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TEXAS
WATER
DEVELOPMENT
BOARD



Report 157

*A SURVEY OF THE
SUBSURFACE SALINE WATER
OF TEXAS*

*VOLUME 3
AQUIFER ROCK PROPERTIES*

September 1972

VOLUME 3

157

TEXAS WATER DEVELOPMENT BOARD

REPORT 157

**A SURVEY OF THE
SUBSURFACE SALINE WATER
OF TEXAS**

**VOLUME 3
AQUIFER ROCK PROPERTIES**

By

**CORE LABORATORIES, INC.
Consulting & Engineering Department
Dallas, Texas**

Prepared under contract for the
Texas Water Development Board

September 1972

TEXAS WATER DEVELOPMENT BOARD

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*No data.

TEXAS WATER DEVELOPMENT BOARD
SALINE WATER RESOURCES SURVEY

JUL 1971

OF THE
STATE OF TEXAS
AQUIFER ROCK PROPERTIES
ANDERSON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CARRIZO GROUP					
CARRIZO SAND	420	1400.0	38.0	CAMP HILL	A0271
CARRIZO	420	1400.0	38.0	CAMP HILL	A0570
CARRIZO	428	1400.0	38.0	CAMP HILL	A 370
CAMP HILL (CARRIZO)	469	4000.0	40.0	CAMP HILL	A 171
CARRIZO	484	4000.0	36.0	SLOCUM	A 869
CARRIZO	520	4000.0	38.0	SLOCUM	51F
CARRIZO	540	1200.0	38.0	SLOCUM	A0570
CARRIZO	540	1200.0	38.0	SLOCUM	A1169
SLOCUM (CARRIZO)	562	2000.0	36.0	SLOCUM	A 671
ARITHMETIC AVERAGE	487	2288.9	37.8		
GEOMETRIC AVERAGE		1997.3			
MEDIAN VALUE		1400.0	38.0		
MODE		1440.1	37.8		
IDEAL SPECIFIC FLOW RATE =	7.6 GPM/FT				
CARRIZO-WILCOX GROUP					
CARRIZO WILCOX	422	2000.0	38.0	CAMP HILL	A0470
ARITHMETIC AVERAGE	422	2000.0	38.0		
GEOMETRIC AVERAGE		2000.0			
MEDIAN VALUE		2000.0	38.0		
MODE		2000.0	38.0		
IDEAL SPECIFIC FLOW RATE =	9.0 GPM/FT				
EAGLE FORD GROUP					
SUB-CLARKSVILLE	5700	160.0	18.0	SLOCUM, NORTH	61AK
SUB-CLARKVILLE	5772	207.0	19.2	SLOCUM, EAST	47AS
SUB-CLARKSVILLE	6050	662.0	18.8	SALMON	56AE
SUB-CLARKSVILLE	7500	145.0	20.6	SLOCUM, DAVID-GAIL	98AJ
ARITHMETIC AVERAGE	6255	293.5	19.1		
GEOMETRIC AVERAGE		237.5			
MEDIAN VALUE		207.0	19.2		
MODE		156.9	18.1		
IDEAL SPECIFIC FLOW RATE =	28.3 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS

ANDERSON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOODBINE GROUP					
WOODBINE	4659	550.0	24.0	NECHES	74AM
WOODBINE SAND	4704	1000.0	26.0	NECHES	183AL
WOODBINE	4723	1270.0	23.0	CONCORD DOME	6F
WOODBINE	4870	1085.0	25.0	LONG LAKE	A1169
WOODBINE	5314	1085.0	25.0	LONG LAKE	A0570
WOODBINE SAND	5314	1085.0	25.0	LONG LAKE	A1170
LOWER PEPPER	5358	464.0	21.3	SLOCUM, NORTHWEST	59AE
WOODBINE	5470	50.0	14.5	ELKHART	94AJ
WOODBINE	5526	1700.0	22.5	LAKE MARY	73AG
WOODBINE (C)	5568	362.0	24.3	SLOCUM, NORTHWEST	99AJ
WOODBINE	5622	406.0	24.7	BETHEL	93AJ
WOODBINE (B)	5708	74.0	20.7	SLOCUM, WEST	53AI
ARITHMETIC AVERAGE	5236	760.9	23.0		
GEOMETRIC AVERAGE		519.1			
MEDIAN VALUE		1000.0	24.3		
MODE		1017.3	25.4		
IDEAL SPECIFIC FLOW RATE =	133.0 GPM/FT				
TRINITY GROUP					
TRINITY D ZONE	7544	20.0	16.3	CAYUGA	51AE
MASSIVE ANHYDRITE	9436		20.0	FAIRWAY	56AF
MASSIVE ANHYDRITE	9436		10.0	FAIRWAY	71AD
RODESSA	9560	1.6	11.0	FAIRWAY	72AD
RODESSA	9560		10.0	FAIRWAY	57AF
JAMES LIME	9959	22.0	11.0	FAIRWAY (JAMES LIME)	19F
JAMES LIME	10000	22.0	11.0	FAIRWAY	A1169
JAMES LIME	10000	22.0	11.0	FAIRWAY	A1170
JAMES LIME	10035	22.0	11.0	FAIRWAY (JAMES LIME)	A 469
ARITHMETIC AVERAGE	9503	18.3	12.4		
GEOMETRIC AVERAGE		14.0			
MEDIAN VALUE		22.0	11.0		
MODE		19.5	10.5		
IDEAL SPECIFIC FLOW RATE =	7.2 GPM/FT				
SLIGO (PETTET) GROUP					
PETTET	10184		8.7	FAIRWAY, SOUTH	55AE
PETTET	10245	2.2	10.0	FAIRWAY	73AD
ARITHMETIC AVERAGE	10214	2.2	9.3		
GEOMETRIC AVERAGE		2.2			
MEDIAN VALUE		2.2	10.0		
MODE		2.2	8.8		
IDEAL SPECIFIC FLOW RATE =	1.1 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS

ANDERSON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
HOSSTON (TRAVIS PEAK) GROUP					
TRAVIS PEAK	10848		15.0	MOUND PRAIRIE	44AP
ARITHMETIC AVERAGE	10848		15.0		
GEOMETRIC AVERAGE			15.0		
MEDIAN VALUE			15.0		
MODE			15.0		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD
SALINE WATER RESOURCES SURVEY

JUL 1971

OF THE
STATE OF TEXAS
AQUIFER ROCK PROPERTIES
ANDREWS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WHITEHORSE GROUP					
YATES	3000	32.0	20.0	SHAFTER LAKE	442I
YATES	3065	15.0	19.2	SHAFTER LAKE	441I
QUEEN	1770	3.0	14.4	MCFARLAND (QUEEN)	365I
QUEEN SAND	4024	40.0	15.0	MEANS (QUEEN)	352I
QUEEN SAND	4100	40.0	15.0	MEANS	A1170
QUEEN	4160	2.0	10.7	MEANS NORTH	355I
QUEEN SAND	4500	37.0	13.1	MOLLEY	230AL
QUEEN	4600	10.0	11.0	MCFARLAND (QUEEN)	370I
QUEEN SAND	4650	20.5	15.3	MC FARLAND	A0570
QUEEN SAND	4650	20.5	15.3	MC FARLAND	A1169
QUEEN	4650	21.0	15.3	MCFARLAND	367I
QUEEN SAND	4700	25.0	16.0	MCFARLAND (QUEEN)	371I
QUEEN SAND	4725	3.0	11.0	MCFARLAND EAST	374I
QUEEN SAND	4730	89.0	24.0	MC FARLAND	225AL
QUEEN SAND	4790	9.0	13.9	MCFARLAND (QUEEN)	366I
QUEEN SAND	4800	1.8	10.9	MCFARLAND, EAST	105AI
QUEEN	4800	24.0	15.0	MCFARLAND (QUEEN)	360I
QUEEN	4800	15.0	14.0	MCFARLAND (QUEEN)	361I
QUEEN	4800	13.0	14.5	MCFARLAND (QUEEN)	362I
QUEEN SAND	4800	17.0	20.0	MCFARLAND	363I
QUEEN	4800	36.0	11.2	MCFARLAND (QUEEN)	368I
QUEEN	4800	10.0	11.6	MCFARLAND (QUEEN)	369I
QUEEN	4800	2.0	11.0	MCFARLAND EAST	375I
QUEEN	4808	13.0	15.0	MC FARLAND	A 770
QUEEN SAND	4820	4.5	15.0	MAGUTEX	135AH
QUEEN SAND	4850	10.0	18.5	MCFARLAND (QUEEN)	364I
QUEEN	4862	10.0	18.5	MC FARLAND	A 569
QUEEN	4865	4.0	13.0	MAGUTEX	43AA
QUEEN	4900	10.0	18.6	MCFARLAND (QUEEN)	359I
GRAYBURG	4200	4.5	6.0	COWDEN, NORTH	A0870
GRAYBURG	4200		6.0	NORTH COWDEN	26I
GRAYBURG	4325	10.0	13.7	TRIPLE N	A1270
GRAYBURG	4331	10.0	13.7	TRIPLE N	A 270
GRAYBURG	4331	10.0	13.7	TRIPLE N (GRAYBURG)	A 769
GRAYBURG	4338		14.0	TRIPLE N	129AS
GRAYBURG	4400	4.5	6.0	COWDEN NORTH	A 569
GRAYBURG	4400	4.5	6.0	COWDEN NORTH	A 669
UNIT (GRAYBURG)	4400	4.5	6.0	COWDEN, NORTH	A 171
COWDEN (GRAYBURG)	4400	4.5	6.0	COWDEN, NORTH	A 770
GRAYBURG	4400	3.0	6.0	MEANS	226AL
GRAYBURG	4400	5.0	6.0	COWDEN NORTH	30I

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WHITEHORSE GROUP					
GRAYBURG	4450	10.0	12.0	COWDEN, NORTH	231
GRAYBURG	4730	10.0	8.0	BLOCK 2	71
GRAYBURG	4775	5.8	12.0	MIDLAND FARMS NORTH	A 370
GRAYBURG	4775	5.8	12.1	MIDLAND FARMS NORTH	A 669
GRAYBURG	4800	61.0	15.0	MIDLAND FARMS	3771
GRAYBURG	4800	6.0	12.1	MIDLAND FARMS	3791
GRAYBURG	4900	61.0	16.0	MIDLAND FARMS	A 171
GRAYBURG	4943	8.0	10.6	MIDLAND FARMS, NORTH	123AM
GRAYBURG-SAN ANDRES	4150	.8	8.1	NORTH COWDEN	A0570
GRAYBURG-SAN ANDRES	4235	36.0	8.5	FUHRMAN-MASCHO	1241
GRAYBURG-SAN ANDRES	4300	29.0	7.7	MEANS	A0271
GRAYBURG-SAN ANDRES	4330	6.2	9.5	FUHRMAN-MASCHO	A0371
GRAYBURG-SAN ANDRES	4330	6.2	9.5	FUHRMAN-MASCHO	A1169
GRAYBURG-SAN ANDRES	4330	6.2	9.5	FUHRMAN-MASCHO	A1170
GRAYBURG-SAN ANDRES	4340	2.4	7.7	FUHRMAN MASCHO	A 671
GRAYBURG -SAN ANDRES	4400	29.0	7.7	MEANS	A 370
GRAYBURG -SAN ANDRES	4400	29.0	7.7	MEANS	A1269
GRAYBURG-SAN ANDRES	4400	4.0	11.8	NORTH COWDEN	291
GRAYBURG-SAN ANDRES	4400	11.0	6.0	MEANS	136AM
GRAYBURG-SAN ANDRES	4430	2.1	8.6	FUHRMAN-MASCHO	A1070
GRAYBURG-SAN ANDRES	4450	7.0	12.9	COWDEN, NORTH	281
GRAYBURG-SAN ANDRES	4500	4.0	11.2	MEANS	3511
GRAYBURG-SAN ANDRES	4575	4.0	7.0	FUHRMAN MASCHO	A 369
GRAYBURG -SAN ANDRES	4690	3.5	12.0	NORTH COWDEN	A 270
ARITHMETIC AVERAGE	4464	15.0	12.0		
GEOMETRIC AVERAGE		9.2			
MEDIAN VALUE		10.0	12.0		
MODE		10.7	6.9		
IDEAL SPECIFIC FLOW RATE =	.6 GPM/FT				

GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED

SAN ANDRES	4200	3.3	6.0	GOLDSMITH	A0271
SAN ANDRES	4200	3.3	6.3	MARTIN	223AL
SAN ANDRES	4300	5.0	6.5	SHAFTER LAKE	A1070
SAN ANDRES	4300	5.0	6.5	SHAFTER LAKE	4391
SAN ANDRES	4300	33.0	8.0	EMMA	831
SAN ANDRES	4300	1.0	2.8	GOLDSMITH, NORTH	1501
SAN ANDRES	4300	3.0	6.4	GOLDSMITH, NORTH	1511
SAN ANDRES	4300	5.0	5.0	LITTMAN (SAN ANDRES)	3341
SAN ANDRES	4350	4.7	6.9	SHAFTER LAKE	145AM
SAN ANDRES	4400	29.0	7.7	MEANS	A 171
SAN ANDRES	4400	20.0	6.0	MEANS	227AL
SAN ANDRES	4400	1.0	7.0	MEANS	3501
SAN ANDRES	4450	2.5	6.9	FUHRMAN MASCHO	A1170

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ANDREWS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES	4451	4.0	4.0	FULLERTON, SOUTHEAST	91AI
SAN ANDRES	4480	.3	10.0	FUHRMAN MASCHO	A 669
SAN ANDRES	4482	4.7	6.9	SHAFTER LAKE	130AM
SAN ANDRES	4500	5.0	10.0	GOLDSMITH, NORTH	92AC
SAN ANDRES	4500	1.0	9.0	FULLERTON-SAN ANDRES	127I
SAN ANDRES	4559	5.0	10.0	SHAFTER LAKE, NORTH	146AH
SAN ANDRES	4585	4.3	7.1	JANE L.	150AJ
SAN ANDRES	4675	2.0	10.0	MABEE	A1070
SAN ANDRES	4700	3.0	4.8	FUHRMAN-MASCHO	125I
SAN ANDRES	4700	3.8	11.0	MABEE	104AI
SAN ANDRES	4785	1.7	16.0	FULLERTON	89AI
GLORIETA	5910	13.0	12.9	BLOCK A-34	13I
GLORIETA	5914	16.0	11.7	BLOCK A-34 NORTHWEST	213AL
ARITHMETIC AVERAGE	4555	6.9	7.9		
GEOMETRIC AVERAGE		4.0			
MEDIAN VALUE		4.3	7.0		
MODE		4.1	7.4		
IDEAL SPECIFIC FLOW RATE =	.3 GPM/FT				
LEONARD (SUB-DIVIDED) SERIES UNDIFFERENTIATED					
UPPER CLEARFORK	5600	3.0	7.2	EMBAR	109AK
UPPER CLEARFORK	5600		5.0	EMBAR (5600)	81I
UPPER CLEARFORK	6080	3.9	6.0	FULLERTON	90AI
CLEARFORK	6500	17.0	15.0	DOLLARHIDE (CLRFORK)	62I
CLEARFORK (AB)	6500	13.0	14.4	DOLLARHIDE (CLRFORK)	63I
CLEARFORK	6700	2.0	2.0	FULLERTON	A0570
CLEARFORK	6700	2.0	2.0	FULLERTON	A0870
CLEARFORK	6700	1.0	2.0	FULLERTON	126I
CLEARFORK	6910	4.0	8.0	SHAFTER LAKE	122AS
CLEARFORK	6925	9.0	10.0	DOLLARHIDE	A 270
CLEARFORK	6950	23.6	2.0	FULLERTON	A 370
LOWER CLEARFORK	6950	7.0	9.0	NIX (SOUTH)	390I
UNIT (CLEARFORK)	6960	7.0	9.0	NIX-SOUTH	A 670
CLEARFORK	7100	14.0	9.0	BLOCK 12	A0170
CLEARFORK (C)	7200	1.0	6.0	DOLLARHIDE (CLRFORK)	64I
CLEARFORK DOLOMITE	7459	1.7	11.3	UNION	173AJ
LOWER CLEARFORK	7459	1.7	11.3	UNION	216AN
WICHITA	7300	20.0	7.5	NELSON	139AD
WICHITA	7900	20.0	13.0	BLOCK A-50	86AE
WICHITA-ALBANY	8000	21.0	11.0	FULLERTON	98AE
ARITHMETIC AVERAGE	6875	9.0	8.0		
GEOMETRIC AVERAGE		5.6			
MEDIAN VALUE		7.0	9.0		
MODE		20.4	2.7		
IDEAL SPECIFIC FLOW RATE =	2.3 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
ANDREWS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOLFCAMP SERIES UNDIFFERENTIATED					
WOLFCAMP	7760	5.0	7.0	BEDFORD	92AR
WOLFCAMP DOLOMITE	7800	5.0	8.0	BEDFORD	79AC
WOLFCAMP	8243		14.0	UNIVERSITY BLOCK 13	99AE
WOLFCAMP	8400	11.0	12.9	MIDLAND FARMS	378I
WOLFCAMP	8405	25.0	13.4	SHAFTER LAKE	440I
WOLFCAMP	8405	29.0	13.4	SHAFTER LAKE	440I
WOLFCAMP	8405	48.0	17.7	SHAFTER LAKE	206AN
BLOCK 9 (WOLFCAMP)	8415	14.0	10.2	UNIVERSITY WOLFCAMP	A 770
WOLFCAMP	8430	14.0	10.0	UNIVERSITY BLOCK 9	497I
WOLFCAMP	8430	804.0	6.9	UNIVERSITY BLOCK 9	133AM
WOLFCAMP	8450	17.0	8.3	UNIVERSITY BLOCK 9	244AL
WOLFCAMP	8492	10.2	3.1	BAKKE	135AJ
WOLFCAMP	8500	35.6	6.0	FASKEN	85AI
WOLFCAMP	8540	36.0	5.0	FASKEN	125AH
WOLFCAMP	8554	138.0	10.6	PARKER	232AL
WOLFCAMP LIMESTONE	8640	86.0	11.2	PARKER, WEST	107AS
WOLFCAMP	8650	18.0	8.8	ANDRES	100AM
WOLFCAMP REEF	8708	15.0	9.0	WEMAC, NORTH	157AH
WOLFCAMP	8708	12.0	6.0	WEMAC	160AD
WOLFCAMP	9000	8.0		MEANS, SOUTH	106AI
WOLFCAMP	9050	4.0	3.0	ANDREWS, SOUTH	104AM
WOLFCAMP	9100	67.0	10.0	MC FARLAND	121AK
WOLFCAMP	9227	53.0	7.0	NOLLEY	191AN
WOLFCAMP	10346		8.0	INEZ	85AE
WOLFCAMP	11900	11.2	12.9	MIDLAND FARMS	107AI
WOLFCAMP	8400	26.8	10.2	UNIVERSITY BLOCK 9	A1069
WOLFCAMP	8492	38.0	11.0	BAKKE	A0170
WOLFCAMP	8705	4.0	5.0	ANDREWS, SOUTH	A 669
ARITHMETIC AVERAGE	8720	59.1	9.2		
GEOMETRIC AVERAGE		21.9			
MEDIAN VALUE		18.0	9.0		
MODE		15.6	6.7		
IDEAL SPECIFIC FLOW RATE =	2.5 GPM/FT				
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
UPPER PENNSYLVANIAN	8870	6.5	5.0	TRIPLE-N	120AI
PENNSYLVANIAN	8900	6.5	6.3	UNIVERSITY BLOCK 9	243AL
PENNSYLVANIAN	8956	10.0	7.5	BAKKE	A0170
PENNSYLVANIAN	8956	24.0	4.3	BAKKE	134AJ
PENN.	9000	30.0	6.0	UNIVERSITY BLOCK 9	A1170
PENNSYLVANIAN	9087	31.0	7.1	PARKER	231AI
PENN.	9121	11.0	12.0	UNIVERSITY BLOCK 9	A1170
PENNSYLVANIAN	9220	31.0	9.0	ANDREWS	107AG
PENNSYLVANIAN	10400	187.0	6.5	MC FARLAND	115AC
ARITHMETIC AVERAGE	9168	37.4	7.1		
GEOMETRIC AVERAGE		20.4			
MEDIAN VALUE		24.0	6.5		
MODE		29.9	6.2		
IDEAL SPECIFIC FLOW RATE =	5.2 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS

ANDREWS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCTES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CISCO GROUP					
CISCO	8895	7.5	8.5	COWDEN, NORTH	58AP
ARITHMETIC AVERAGE	8895	7.5	8.5		
GEOMETRIC AVERAGE		7.5			
MEDIAN VALUE		7.5	8.5		
MODE		7.5	8.5		
IDEAL SPECIFIC FLOW RATE =	1.2 GPM/FT				
CANYON GROUP					
CANYON	10384	1.0	11.0	NOLLEY	50AQ
ARITHMETIC AVERAGE	10384	1.0	11.0		
GEOMETRIC AVERAGE		1.0			
MEDIAN VALUE		1.0	11.0		
MODE		1.0	11.0		
IDEAL SPECIFIC FLOW RATE =	.2 GPM/FT				
STRAWN GROUP					
STRAWN	2578	64.0	10.1	MEANS, EAST	89AE
STRAWN SAND	4300	37.0	14.3	ARCHER COUNTY REG.	A0371
STRAWN	9100	5.0	3.0	EMMA	108AF
STRAWN	9460	26.0	8.5	ANDREWS, NORTH	110AG
STRAWN	9690		6.0	MIDLAND FARMS	104AS
STRAWN	10600	112.0	11.5	MEANS, EAST	152AJ
STRAWN	10900	8.0	7.0	ANDREWS, EAST	78AC
ARITHMETIC AVERAGE	8090	42.0	8.6		
GEOMETRIC AVERAGE		25.5			
MEDIAN VALUE		37.0	8.5		
MODE		5.9	3.6		
IDEAL SPECIFIC FLOW RATE =	.8 GPM/FT				
ATOKA GROUP UNDIFFERENTIATED					
ATOKA	9669		9.0	INEZ	84AE
ARITHMETIC AVERAGE	9669		9.0		
GEOMETRIC AVERAGE					
MEDIAN VALUE			9.0		
MODE			9.0		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				

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ANDREWS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
DEVONIAN SYSTEM UNDIFFERENTIATED					
DEVONIAN	7700	17.0	13.5	DOLLARHIDE (DEVONIAN)	661
DEVONIAN	8000	10.0	16.0	DOLLARHIDE (DEVONIAN)	651
DEVONIAN	8051	3.0	23.0	DOLLARHIDE, EAST	119AG
DEVONIAN	8125	47.0	17.0	BLOCK 11	91
DEVONIAN	8230	46.8	24.3	BLOCK 11	83AA
DEVONIAN	8230	150.0	20.3	BLOCK 11	154AN
DEVONIAN	8285	5.4	20.0	THREE BAR	A 270
DEVONIAN	8285	5.4	20.0	THREE BAR	A 569
DEVONIAN	8285	5.4	20.0	THREE BAR	A1269
DEVONIAN	8300		9.0	BLOCK 12	100AF
DEVONIAN	8300	54.0	19.9	THREE BAR	210AN
DEVONIAN	8385	15.0	8.0	THREE BAR	484I
DEVONIAN	8500		9.0	FULLERTON, NORTH	124AG
8500 FT. ZONE	8500	1682.0	9.0	FULLERTON	166AN
DEVONIAN	8600		3.7	BLOCK A-49	56AP
DEVONIAN	8627	30.0	7.0	FULLERTON, SOUTH	125AG
DEVONIAN	9100		9.0	EMBAR	108AK
DEVONIAN	9500	6.0	17.9	BEDFORD	61
DEVONIAN	10000	1.0	9.5	FUHRMAN-MASCHO	145AJ
DEVONIAN	10100	3.0	23.0	DOLLARHIDE, EAST	119AD
DEVONIAN	10110	.7	14.0	DOLLARHIDE, NE	84AS
DEVONIAN	10110	4.0	3.5	DOLLARHIDE, NE	85AS
DEVONIAN	10186	5.0	21.0	DOLLARHIDE, EAST	12AA
DEVONIAN	10300	3.4	2.2	UNIVERSITY BLOCK 9	242AL
DEVONIAN	10458	15.0	10.0	UNIVERSITY BLOCK 13	131AF
DEVONIAN	10500	.4	6.3	ANDREWS, NORTH	108AG
DEVONIAN	10500	903.0	8.5	BAKKE	132AJ
DEVONIAN	10900	1.0	5.6	ANDREWS, S0.	31
DEVONIAN	10900	.5	5.0	ANDREWS, SOUTH	111AG
DEVONIAN	11000		4.0	MIDLAND FARMS, WEST	106AS
DEVONIAN SAND	12078	200.0	4.0	BREEDLOVE	A1169
DEVONIAN	12311	25.0	6.0	NOLLEY	49AQ
DEVONIAN	12320	12.0	2.7	PRICHARD	194AN
DEVONIAN	12350	12.0	2.7	PRICHARD	127AM
DEVONIAN	12500	12.0	4.0	HUTEX (NORTH SIDE)	33AA
DEVONIAN	12500	76.0	7.0	HUTEX (SOUTH SIDE)	34AA
DEVONIAN DOLOMITE	12500	41.0	6.0	MAGUTEX	44AA
DEVONIAN	12500	63.0	4.7	ANDRES	102AM
DEVONIAN, PRICHARD	12509	25.0	3.7	HUTEX	97AI
DEVONIAN	12524		6.3	HUTEX, NORTH	102AR
DEVONIAN	12530	200.0	14.0	GLASCO	112AK
DEVONIAN	12540	.5	5.0	BLOCK 9	72AS
ARITHMETIC AVERAGE	10126	102.2	10.6		
GEOMETRIC AVERAGE		12.9			
MEDIAN VALUE		12.0	9.0		
MODE		18.6	3.3		
IDEAL SPECIFIC FLOW RATE =	3.6 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
ANDREWS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
SILURIAN SYSTEM UNDIFFERENTIATED					
SILURIAN	10000	5.0	14.0	DOLLARHIDE, EAST	121AG
SILURIAN	11000		7.0	DOLLARHIDE, EAST	13AA
SILURIAN	12820	7.0	4.5	LOWE	112AC
ARITHMETIC AVERAGE	11273	6.0	8.5		
GEOMETRIC AVERAGE		5.9			
MEDIAN VALUE		7.0	7.0		
MODE		5.1	5.0		
IDEAL SPECIFIC FLOW RATE =	1.2 GPM/FT				
SILURIAN LOW-MID SERIES UNDIFFERENTIATED					
FUSSELMAN	7950		19.2	BLOCK 11	87AE
FUSSELMAN	11743		4.0	INEZ	83AE
FUSSELMAN	11800		5.0	INEZ	107AC
FUSSELMAN	11843	1.0	5.0	MIDLAND FARMS	136AD
FUSSELMAN	12130	1.8	5.2	CIRCLE BAR	74AS
ARITHMETIC AVERAGE	11101	1.4	7.7		
GEOMETRIC AVERAGE		1.3			
MEDIAN VALUE		1.8	5.0		
MODE		1.0	4.8		
IDEAL SPECIFIC FLOW RATE =	.2 GPM/FT				
SIMPSON GROUP					
MCKEE	8500	13.0	15.8	MARTIN MCKEE	347I
MCKEE	8500	25.0	12.0	MARTIN	A0371
MCKEE	8506	13.0	15.8	MARTIN (MC KEE)	A 869
MC KEE	9864	49.0	17.2	BLOCK 12, EAST	138AJ
ARITHMETIC AVERAGE	8842	25.0	15.2		
GEOMETRIC AVERAGE		21.3			
MEDIAN VALUE		25.0	15.8		
MODE		13.9	15.9		
IDEAL SPECIFIC FLOW RATE =	2.5 GPM/FT				
ELLENBURGER GROUP					
ELLENBURGER	7850	1000.0	4.6	EMBAR	163AN
ELLENBURGER	7977	1000.0	2.8	EMBAR (ELLENBURGER)	82I
ELLENBURGER	8650	369.0	2.0	MARTIN	185AN

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
ANDREWS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
ELLENBURGER GROUP					
ELLENBURGER	9900	5.0	3.2	DOLLARHIDE (ELLENBURGER)	67I
ELLENBURGER	10076		3.0	BLOCK 12, EAST	105AM
ELLENBURGER	10500	77.0	1.8	FULLERTON, SOUTH	110AF
ELLENBURGER	10500	52.0	2.0	NELSON	124AM
ELLENBURGER	10590	77.0	1.8	FULLERTON, SOUTH	167AN
ELLENBURGER	10800		1.8	UNIVERSITY BLOCK 13	130AF
ELLENBURGER	11200	12.0	3.0	BLOCK A-49	109AD
ELLENBURGER	11685	2.3	4.6	SHAFTER LAKE	205AN
ELLENBURGER	12200	54.0	2.5	EMMA	124AH
ELLENBURGER	12252	7.0	10.0	DEEP ROCK	83AS
ELLENBURGER	12252	10.0	4.3	DEEP ROCK	215AL
ELLENBURGER	12300	12.0	2.0	EMMA	109AM
ELLENBURGER	12304	47.0	2.3	BAKKE	133AJ
ELLENBURGER	12350		1.6	ANDREWS, NORTH	109AG
ELLENBURGER	12370	65.0	2.3	TRIPLE=N	241AL
ELLENBURGER	12420	83.0	3.5	TRIPLE=N	211AN
ELLENBURGER	12540	26.0	3.1	MIDLAND FARMS NE	229AL
ELLENBURGER	12583		5.0	DOLLARHIDE, EAST	14AA
ELLENBURGER	12604	22.0	3.0	FASKEN	89AS
ELLENBURGER	12672	504.0	1.8	MIDLAND FARMS	228AL
ELLENBURGER	12700		5.0	DOLLARHIDE, EAST	68I
ELLENBURGER	12700	10.0	4.0	DOLLARHIDE, EAST	120AG
ELLENBURGER	12700	504.0	1.8	MIDLAND FARMS	122AM
ELLENBURGER	13200	31.0	2.2	LOWE	132AD
ELLENBURGER	13306	35.0	2.1	WEMAC	248AL
ELLENBURGER	13840	16.0	2.7	MAGUTEX	120AM
ELLENBURGER	13846	16.0	2.5	MAGUTEX - ELLENBURGER	344I
ELLENBURGER	13850	23.0	3.0	MAGUTEX	45AA
ELLENBURGER	13870	670.0	6.0	MC FARLAND	114AC
ELLENBURGER	13889	15.8	2.5	MAGUTEX	A 370
ARITHMETIC AVERAGE	11893	169.5	3.1		
GEOMETRIC AVERAGE		44.8			
MEDIAN VALUE		35.0	2.7		
MODE		20.2	2.0		
IDEAL SPECIFIC FLOW RATE =	5.2 GPH/FT				

TEXAS WATER DEVELOPMENT BOARD
SALINE WATER RESOURCES SURVEY

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OF THE
STATE OF TEXAS
AQUIFER ROCK PROPERTIES
ARANSAS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
MIOCENE SERIES UNDIFFERENTIATED					
(4) MIOCENE SAND	5367		34.5	FULTON BEACH	101AL
ARITHMETIC AVERAGE	5367		34.5		
GEOMETRIC AVERAGE			34.5		
MEDIAN VALUE			34.5		
MODE			34.5		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				
GUEYDAN-CATAHOULA GROUP					
5650 FT SAND	5650	345.0	29.5	HALF MOON REEF	33AE
A=2 RESERVOIR	6165	210.0	25.8	FULTON BEACH, WEST	41AK
A=3 RESERVOIR	6220	465.0	27.3	FULTON BEACH, WEST	42AK
A=4 RESERVOIR	6242	235.0	28.0	FULTON BEACH, WEST	43AK
A=5 RESERVOIR	6264	267.0	27.3	FULTON BEACH, WEST	44AK
B RESERVOIR	6295	233.0	28.3	FULTON BEACH, WEST	45AK
D RESERVOIR	6492	548.0	29.1	FULTON BEACH, WEST	46AK
E, LOWER RESERVOIR	6625	1145.0	28.4	FULTON BEACH, WEST	47AK
F RESERVOIR	6632	1313.0	31.4	FULTON BEACH, WEST	48AK
A=3 SAND	6742	365.0	33.0	FULTON BEACH, NORTH	39AK
A=2 SAND	6770	600.0	32.6	FULTON BEACH, NORTH	38AK
A=2 SAND	6770	555.0	32.3	SHELL POINT	54AK
A=4 SAND	6837	450.0	30.0	FULTON BEACH, NORTH	40AK
G RESERVOIR	6900	1125.0	28.5	FULTON BEACH, WEST	49AK
FR10 C-1=2=3	7100	545.0	30.0	FULTON BEACH	79D
A=4, A=5, A=6 STR, SD	7140	236.0	24.7	SALT LAKE	49AF
B=2 SAND	7184	653.0	34.3	FULTON BEACH, NORTH	102AL
(A) SAND	7209	236.0	24.8	SALT LAKE	150AL
I RESERVOIR	7305	176.0	27.5	FULTON BEACH, WEST	50AK
J RESERVOIR	7480	194.0	28.4	FULTON BEACH, WEST	51AK
(A) SAND	7494		26.3	ST. CHARLES RANCH, N.	53AR
I=4 RESERVOIR	7542	452.0	24.1	COPANO BAY, SOUTH	33AC
(E) SAND	7748	103.0	20.2	SALT LAKE	151AL
K=3 RESERVOIR	7827	638.0	30.7	FULTON BEACH, WEST	52AK
K=7 RESERVOIR	7925	220.0	31.4	FULTON BEACH, WEST	53AK
K=2 RESERVOIR	7951	190.0	27.8	COPANO BAY, SOUTH	34AC
K=3 RESERVOIR	7963	860.0	25.0	COPANO BAY, SOUTH	35AC
K=4 RESERVOIR	7963	860.0	25.0	COPANO BAY, SOUTH	36AC
M=44 RESERVOIR	8480	40.0	22.0	COPANO BAY, SOUTH	37AC

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 ARANSAS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUEYDAN-CATAHOULA GROUP					
N ₂₄ RESERVOIR	8845	228.0	24.7	COPANO BAY, SOUTH	38AC
FRIO	8850	35.0	22.0	GINNY, EAST	16AQ
STARK (FRIO)	9172	37.5	23.9	MUD FLATS	52AR
ARITHMETIC AVERAGE	7243	437.4	27.6		
GEOMETRIC AVERAGE		310.8			
MEDIAN VALUE		345.0	28.0		
MODE		261.2	28.0		
IDEAL SPECIFIC FLOW RATE =	50.9 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD
SALINE WATER RESOURCES SURVEY

JUL 1971

OF THE
STATE OF TEXAS
AQUIFER ROCK PROPERTIES
ARCHER COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOLFCAMP SERIES UNDIFFERENTIATED					
PERMIAN SAND	550	350.0	25.0	ARCHER CO. REGULAR	17K
PERMIAN SAND	550	250.0	25.0	ARCHER CO. REGULAR	18K
PERMIAN	850	50.0	15.0	ARCHER CO. REGULAR	35K
ARITHMETIC AVERAGE	650	216.7	21.7		
GEOMETRIC AVERAGE		163.6			
MEDIAN VALUE		250.0	25.0		
MODE		55.4	24.5		
IDEAL SPECIFIC FLOW RATE =	.4 GPM/FT				
CISCO GROUP					
550 FT CISCO SANDSTN	550	337.0	27.0	ARCHER COUNTY REG.	A1169
550 FT CISCO SAND	550	337.0	27.0	ARCHER CO. REGULAR	98K
600 FT SAND	560	200.0	20.0	ARCHER CO. REGULAR	41K
600 - 650 FT SANDS	600	24.0	21.0	ARCHER CO. REGULAR	134K
600 FT SAND	610	200.0	20.0	ARCHER CO. REGULAR	80K
GUNSIGHT	635	40.0	20.0	REGULAR	A 269
600 FT SAND	640	200.0	20.0	ARCHER CO. REGULAR	39K
600 FT OIL SAND	650		23.0	ARCHER CO. REGULAR	58K
660 SAND	660	75.0	20.0	ARCHER CO. REGULAR	19K
670 FT SAND	673	1.0	20.0	ARCHER CO. REGULAR	42K
680 FT. CISCO SAND	675	124.0	28.0	COUNTY REGULAR	A 769
700 FT SAND (STRAY)	685	150.0	18.0	ARCHER CO. REGULAR	A 369
700 FT SAND	700	37.0	27.5	ARCHER CO. REGULAR	54K
GUNSIGHT LIME	710	1.7	5.0	ARCHER CO. REGULAR	49K
GUNSIGHT LIME	771	1.7	13.7	ARCHER CO. REGULAR	A 469
GUNSIGHT LIME	800	10.0	12.0	ARCHER CO. REGULAR	37K
THOMAS	850	50.0	15.0	ARCHER CO. REGULAR	38K
THOMAS	850	523.0	25.0	ARCHER CO. REGULAR	79K
GUNSIGHT SAND	850	300.0	20.0	ARCHER CO. REGULAR	89K
GUNSIGHT	853		14.0	ARCHER CO. REGULAR	A 369
THOMAS	940		28.0	ARCHER CO. REGULAR	83K
GUNSIGHT	941	150.0	18.0	ARCHER CO. REGULAR	A 669
DELMAR	950	140.0	27.5	ARCHER CO. REGULAR	20K
DELMAR	950	140.0	27.5	ARCHER CO. REGULAR	20K
THOMAS - GUNSIGHT	975	100.0	23.0	ARCHER CO. REGULAR	102K
GUNSIGHT SAND	990	160.0	18.0	ARCHER COUNTY REG.	A1270
GUNSIGHT	990	200.0	25.0	ARCHER CO. REGULAR	129K

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ARCHER COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CISCO GROUP					
GUNSIGHT	1000	160.0	18.0	ARCHER COUNTY REG.	A0371
GUNSIGHT SAND	1000	300.0	20.0	ARCHER CO. REGULAR	27K
GUNSIGHT LIME	1000	5.2	13.3	ARCHER CO. REGULAR	62K
GUNSIGHT SAND	1030	20.0	20.0	ARCHER CO. REGULAR	120K
GUNSIGHT LIME	1100	500.0	20.0	ARCHER COUNTY REG.	A0870
GUNSIGHT LIME	1100	200.0	17.0	ARCHER CO. REGULAR	34K
GUNSIGHT LIME	1100	100.0	17.0	ARCHER CO. REGULAR	36K
GUNSIGHT LIME REEF	1120	130.0	18.0	ARCHER CO. REGULAR	81K
GUNSIGHT SAND	1125	50.0	20.0	ARCHER CO. REGULAR	31K
GUNSIGHT LIME	1125	76.0	12.5	ARCHER CO. REGULAR	108K
GUNSIGHT	1125	40.0	18.0	ARCHER CO. REGULAR	116K
THOMAS	1150	40.0	20.0	ARCHER CO. REGULAR	48K
THOMAS SAND	1150	240.0	23.0	ARCHER CO. REGULAR	104K
GUNSIGHT SAND	1150	21.0	20.0	ARCHER CO. REGULAR	105K
THOMAS	1150	200.0	24.4	ARCHER CO. REGULAR	126K
GUNSIGHT LIME REEF	1160	130.0	18.0	ARCHER CO. REGULAR	82K
GUNSIGHT	1160	20.0	22.0	ARCHER CO. REGULAR	50K
GUNSIGHT	1180	25.0	20.0	ARCHER CO. REGULAR	A 270
GUNSIGHT	1180	450.0	22.0	ARCHER CO. REGULAR	117K
THOMAS	1200	50.0	18.0	ARCHER CO. REGULAR	53K
GUNSIGHT LIMESTONE	1200	5.0	14.0	ARCHER CO. REGULAR	73K
GUNSIGHT LIME	1200	8.0	10.0	ARCHER CO. REGULAR	74K
GUNSIGHT LIME	1200	8.0	10.0	ARCHER CO. REGULAR	75K
GUNSIGHT LIMESTONE	1225	5.0	14.0	ARCHER CO. REGULAR	72K
GUNSIGHT	1230		20.0	ARCHER CO. REGULAR	24K
GUNSIGHT LIME	1340	2.9	10.0	ARCHER CO. REGULAR	84K
GUNSIGHT SAND	1350	200.0	23.0	ARCHER CO. REGULAR	51K
1350 MEGARGEL SAND	1350	107.0	22.9	ARCHER CO. REGULAR	100K
GUNSIGHT LIME	1350	50.0	8.0	ARCHER CO. REGULAR	103K
THOMAS SAND	1370	50.0	20.0	ARCHER CO. REGULAR	65K
GUNSIGHT	1400	107.0	20.0	ARCHER CO. REGULAR	29K
GUNSIGHT LIME	1400	1.0	11.0	ARCHER CO. REGULAR	33K
1400 (THOMAS) SAND	1400	27.0	18.0	ARCHER CO. REGULAR	45K
THOMAS	1435	40.0	20.0	ARCHER CO. REGULAR	40K
1400 + 1500 SAND	1470	20.0	22.0	ARCHER CO. REGULAR	43K
1480 FT CISCO SAND	1480	75.0	22.0	ARCHER CO. REGULAR	106K
1500 FT THOMAS SAND	1500	200.0	22.0	ARCHER CO. REGULAR	99K
THOMAS	1580		25.0	ARCHER CO. REGULAR	97K
GUNSIGHT SAND	1585	50.0	20.0	SNEBOLD	694K
1600 FT. SAND	1600	90.0	24.0	ARCHER COUNTY REG.	A1270
GUNSIGHT	1600	90.0	24.0	ARCHER CO. REGULAR	30K
1600 FT GUNSIGHT	1600	84.0	20.0	ARCHER CO. REGULAR	46K
1600 FT SAND	1600	90.0	24.0	ARCHER CO. REGULAR	47K
THOMAS	1600	330.0	20.0	ARCHER CO. REGULAR	61K
MEGARGLE	1600		22.0	ARCHER CO. REGULAR	93K
GUNSIGHT SAND	1804	50.0	20.0	ARCHER COUNTY REG.	A0371
GUNSIGHT LIME	2000		12.0	ARCHER CO. REGULAR	57K
ARITHMETIC AVERAGE	1113	118.6	19.5		
GEOMETRIC AVERAGE		56.5			
MEDIAN VALUE		84.0	20.0		
MODE		114.8	20.0		
IDEAL SPECIFIC FLOW RATE =	1.5 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS

ARCHER COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CANYON GROUP					
CANYON LOWER	3600	15.0	12.0	ARCHER CO. REGULAR	44K
ARITHMETIC AVERAGE	3600	15.0	12.0		
GEOMETRIC AVERAGE		15.0	12.0		
MEDIAN VALUE		15.0	12.0		
MODE		15.0	12.0		
IDEAL SPECIFIC FLOW RATE =	.9 GPM/FT				
STRAWN GROUP					
STRAWN	3200	25.0	25.0	BURNS-JONES	198K
3250 STRAWN	3250	75.0	13.0	JEFFERSON, SOUTH	7040
3300 FT STRAWN	3300		16.0	ARCHER CO. REGULAR	66K
3400 FT STRAWN SAND	3400	82.0	15.2	DEMOGS NE	357K
STRAWN	3500	50.0	20.0	DUGGAN	1304I
DE MOSS (STRAWN)	3500	30.0	15.0	ARCHER CO. REGULAR	67K
3500 FT. STRAWN SAND	3515	7.0	15.0	DUGGAN	A 569
3600 - 13900 SAND	3600	10.5	15.8	CHALK HILL, NORTH	210K
CHALK HILL	3600	6.3	15.8	CHALK HILL, NORTH	212K
M SAND	3650	21.9	14.1	SCOTLAND	685K
STRAWN	3700	50.0	16.0	KING-WILSON	557K
STRAWN	3708	50.0	16.0	KING WILSON	A 670
VOGTSBERGER	3710	75.0	14.0	ARCHER CO. REGULAR	91K
3800 FT SAND (STRAWN)	3800	180.0	16.9	HULL-SILK-SIKES	425K
3800 FT SAND	3800	180.0	16.9	HULL-SILK-SIKES	431K
3900 FT STRAWN SAND	3900	50.0	15.0	RENO	667K
3600 - 13900 SAND	3900	25.0	15.0	CHALK HILL, NORTH	211K
STRAWN	3905	150.0	15.0	HULL SILK SIKES	A 171
KMA SAND	4100	100.0	15.0	DAUME	354K
OOLITIC LIME	4100	50.0	14.0	HOLLIDAY, EAST	422K
PARKEY SAND	4100	200.0	16.0	HOLLIDAY, EAST	423K
HULL - SILK	4280	61.0	14.8	HULL-SILK-SIKES	435K
STRAWN SAND	4300	43.0	15.0	ARCHER COUNTY REG.	A1270
4300 FT SAND (STRAWN)	4300	177.0	16.0	HULL-SILK-SIKES	426K
4300 FT SANDSTONE	4300	125.0	15.0	HULL-SILK-SIKES	430K
4300 FT SAND	4300	100.0	17.0	HULL-SILK-SIKES	432K
4300 FT STRAWN	4300	125.0	15.0	HULL-SILK-SIKES	433K
4300 FT SANDSTONE	4300	125.0	15.0	HULL-SILK-SIKES	434K
STRAWN	4300	50.0	15.0	VOGTSBERGER, SOUTH	704K
4300 STRAWN	4300	43.0	15.0	ARCHER CO. REGULAR	55K
STRAWN SAND	4358	60.0	18.0	KADANE POOL	A 670
4400 HULL SILK SAND	4400	31.0	15.4	HULL-SILK-SIKES	424K
HULL-SILK	4400	5.0	13.0	HULL-SILK-SIKES	427K
HULL SILK	4400	31.0	15.4	ARCHER CO. REGULAR	21K
VOGTSBERGER	4600	11.2	14.2	ARCHER CO. REGULAR	22K
VOGTSBERGER SAND	4700	3.0	14.2	ARCHER COUNTY REG.	A1169

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ARCHER COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAWN GROUP					
STRAWN SAND	4700	53.0	15.3	VOGTSBERGER, SOUTH	705K
VOGTSBERGER SAND	4700	100.0	15.0	VOGTSBERGER, SOUTH	706K
VOGTSBERGER SAND	4700	50.0	20.0	VOGTSBERGER SAND	707K
4700 FT STRAWN	4700	65.0	14.4	VOGTSBERGER POOL	711K
CADDO LIME	4700		30.0	ARCHER CO. REGULAR	28K
4700 FT STRAWN SAND	4700		15.0	ARCHER CO. REGULAR	88K
VOGTSBERGER	4710	75.0	14.0	ARCHER CO. REGULAR	90K
VOGTSBERGER	4758	65.0	14.4	VOGTSBERGER POOL	A 370
CADDO LIME	4769	20.0	12.0	O'DONOHUE	146AF
CADDO	4840		13.7	HERB	142AF
CADDO LIME	4900	3.0	12.0	WANDA	175AE
STRAWN	5061	.7	7.6	SCOTLAND, SOUTH	A 670
CADDO	5100		15.0	SCOTLAND, SOUTH	166AH
CADDO LIME	5230	10.0	14.0	ARCHER CO. REGULAR	32K
CADDO	5290		12.0	THREE-WAY, EAST	69AP
ARITHMETIC AVERAGE	4228	63.3	15.4		
GEOMETRIC AVERAGE		38.3			
MEDIAN VALUE		50.0	15.0		
MODE		50.6	15.4		
IDEAL SPECIFIC FLOW RATE =	3.8 GPM/FT				
MISSISSIPPIAN SYSTEM UNDIFFERENTIATED					
MISSISSIPPIAN	5250		7.0	IKARD, EAST	159AC
MISSISSIPPIAN	5300	20.0	11.0	CASCADE	166AD
ARITHMETIC AVERAGE	5275	20.0	9.0		
GEOMETRIC AVERAGE		20.0			
MEDIAN VALUE		20.0	11.0		
MODE		20.0	7.2		
IDEAL SPECIFIC FLOW RATE =	2.1 GPM/FT				

SALINE WATER RESOURCES SURVEY

OF THE

STATE OF TEXAS

AQUIFER ROCK PROPERTIES

ATASCOSA COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CLAIBORNE GROUP					
NIXON SAND	880	1500.0	36.0	JOURDANTON	A0371
REKLAW	1769	1108.0	34.4	IMOGENE, SOUTHEAST	4AM
ARITHMETIC AVERAGE	1324	1304.0	35.2		
GEOMETRIC AVERAGE		1289.2			
MEDIAN VALUE		1500.0	36.0		
MODE		1125.0	34.5		
IDEAL SPECIFIC FLOW RATE =	18.9 GPM/FT				
CARRIZO GROUP					
CARRIZO	1760	78.0	26.0	IMOGENE, SOUTH	2AM
CARRIZO A=1	1785	2565.0	37.8	IMOGENE, SOUTHEAST	3AM
CARRIZO	3747	1357.0	28.3	WEIGANG	5AM
ARITHMETIC AVERAGE	2431	1333.3	30.7		
GEOMETRIC AVERAGE		647.5			
MEDIAN VALUE		1357.0	28.3		
MODE		94.3	26.6		
IDEAL SPECIFIC FLOW RATE =	3.8 GPM/FT				
NAVARRO GROUP					
NAVARRO	4300	2.0	27.0	CROWN EAST (NAVARRO)	24A
NAVARRO	4505	18.0	22.0	CHARLOTTE (NAVARRO)	5A
ESCONDIDO	4650	27.0	27.0	VELMA ESCONDIDO)	52A
ESCONDIDO	4667	26.0	25.9	PLEASANTON, EAST	1AP
OLMOS NAVARRO SAND	4675	42.0	28.0	CROWN EAST	A1169
NAVARRO	4675	42.0	28.0	CROWN EAST (NAVARRO)	25A
NAVARRO	4700	8.0	20.0	HORN (5300 SAND)	35A
NAVARRO	4900	34.0	25.0	GALBA (NAVARRO)	33A
NAVARRO	4900	15.0	22.0	PRUITT	40A
NAVARRO	4979	12.0	23.0	CHARLOTTE NORTH	12A
NAVARRO	4979	12.0	23.0	CHARLOTTE NORTH	13A
NAVARRO	5000	12.0	23.2	CHARLOTTE NORTH	11A
UPPER NAVARRO	5000	35.0	20.0	CHARLOTTE (NAVARRO)	7A
OLMOS NAVARRO SAND	5020	30.0	24.0	PRUITT, SOUTHEAST	A0170

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ATASCOSA COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
NAVARRO GROUP					
NAVARRO	5172	17.0	25.0	CHARLOTTE (NAVARRO)	6A
UPPER OLMOS NAVARRO	5214	26.8	21.8	CHARLOTTE (NAVARRO)	A 270
NAVARRO	4300	20.0	27.0	WALTON	5AL
NAVARRO SAND	4703	18.0	22.0	CHARLOTTE	A 369
NAVARRO	4800	27.0	27.6	GALBA	1AK
NAVARRO SAND	5050	60.0	25.0	CHARLOTTE, NORTH	1AM
NAVARRO SAND	5172	18.0	22.0	CHARLOTTE	1AH
OLMOS SAND	2299	10.0	25.1	BEAR CREEK	1AE
FOURTH OLMOS	3575	11.0	26.0	KYOTE	36A
OLMOS=NAVARRO	3620	1.0	22.0	EAST CROWN (NAVARRO)	20A
LOWER OLMOS=NAVARRO	4000	5.0	22.0	CROWN EAST (NAVARRO)	23A
OLMOS=NAVARRO	4200	3.0	23.0	EAST CROWN (NAVARRO)	18A
OLMOS=NAVARRO	4300	1.0	22.0	CROWN EAST (NAVARRO)	21A
OLMOS=NAVARRO	4300	5.0	22.0	CROWN EAST (NAVARRO)	22A
OLMOS=NAVARRO	4400	2.0	24.0	EAST CROWN (NAVARRO)	19A
OLMOS NAVARRO SAND	4681	42.0	28.0	CROWN EAST (NAVARRO)	A 469
UPPER OLMOS NAVARRO	5021	12.0	22.0	ATASCOSA CO.	43A
UPPER OLMOS NAVARRO	5021	30.0	24.0	PRUITT SE (OLMOS)	42A
OLMOS	5025	43.0	24.9	PRUITT, SOUTHEAST	2AL
UPPER OLMOS	5200	18.0	22.0	CHARLOTTE (NAVARRO)	10A
UPPER OLMOS NAVARRO	5200	18.0	21.8	CHARLOTTE (NAVARRO)	8A
UPPER OLMOS NAVARRO	5200	12.0	23.2	CHARLOTTE (NAVARRO)	9A
CHUPICK (OLMOS A)	5202	38.0	26.5	CHUPICK (OLMOS A)	A 569
OLMOS A	5243	17.4	25.6	CHUPICK	1AS
OLMOS A SAND	5243	11.7	24.6	CHUPICK	1AD
ARITHMETIC AVERAGE	4692	20.0	24.0		
GEOMETRIC AVERAGE		14.0			
MEDIAN VALUE		18.0	24.0		
MODE		14.6	22.0		
IDEAL SPECIFIC FLOW RATE =	1.5 GPM/FT				
WASHITA GROUP					
JOURDANTON (BUDA)	6922	22.5	21.3	JOURDANTON	A 671
ARITHMETIC AVERAGE	6922	22.5	21.3		
GEOMETRIC AVERAGE		22.5			
MEDIAN VALUE		22.5	21.3		
MODE		22.5	21.3		
IDEAL SPECIFIC FLOW RATE =	4.7 GPM/FT				
FREDERICKSBURG (EDWARDS UNDIVIDED) GROUP					
EDWARDS LIMESTONE	7200	23.0	19.0	JOURDANTON	A1069

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ATASCOSA COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
FREDERICKSBURG (EDWARDS UNDIVIDED) GROUP					
EDWARDS LIME	7252	23.0	17.0	JOURDANTON (EDWARDS)	A1269
EDWARDS	7350	22.5		JOURDANTON	3AR
ARITHMETIC AVERAGE	7267	22.8	18.0		
GEOMETRIC AVERAGE		22.8			
MEDIAN VALUE		23.0	19.0		
MODE		23.0	17.1		
IDEAL SPECIFIC FLOW RATE =	5.2 GPM/FT				

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AUSTIN COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
EOCENE SERIES UNDIFFERENTIATED					
PADNE	2734	500.0	25.0	RACCOON BEND	19AJ
WOODLEY	2834	500.0	25.0	RACCOON BEND	22AJ
WILSON	3050	800.0	30.0	RACCOON BEND	21AJ
GUTOWSKY = GRAMUNDER	3345	100.0	23.0	RACCOON BEND	17AJ
ARITHMETIC AVERAGE	2991	475.0	25.7		
GEOMETRIC AVERAGE		376.1			
MEDIAN VALUE		500.0	25.0		
MODE		478.3	24.8		
IDEAL SPECIFIC FLOW RATE =	25.2 GPM/FT				
JACKSON GROUP					
JACKSON	2900	100.0	28.0	RACCOON BEND-JACKSON	67C
JACKSON	3458	150.0	26.5	RACCOON BEND-JACKSON	68C
GRAMUNDER	3650	500.0	23.0	RACCOON BEND JACKSON	A 769
ARITHMETIC AVERAGE	3336	250.0	25.8		
GEOMETRIC AVERAGE		195.7			
MEDIAN VALUE		150.0	26.5		
MODE		108.7	23.3		
IDEAL SPECIFIC FLOW RATE =	6.5 GPM/FT				
CLAIBORNE GROUP					
UPPER COCKFIELD	4150	245.0	30.0	RACCOON BEND	A 671
LOWER COCKFIELD	4177	320.0	23.0	RACCOON BEND	64AL
LOWER COCKFIELD	4200	840.0	33.0	RACCOON BEND	A 671
ARITHMETIC AVERAGE	4176	468.3	28.7		
GEOMETRIC AVERAGE		403.8			
MEDIAN VALUE		320.0	30.0		
MODE		261.1	23.5		
IDEAL SPECIFIC FLOW RATE =	22.4 GPM/FT				
WILCOX GROUP					
MC ELROY	3739	500.0	28.0	RACCOON BEND	18AJ

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 AUSTIN COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
	WILCOX GROUP				
SPARTA	6428	43.0	20.0	RACCOON BEND	20AJ
ARITHMETIC AVERAGE	5083	271.5	24.0		
GEOMETRIC AVERAGE		146.6			
MEDIAN VALUE		500.0	28.0		
MODE		49.0	20.4		
IDEAL SPECIFIC FLOW RATE =	6.0 GPM/FT				

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BASTROP COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GULF SERIES UNDIFFERENTIATED					
SERPENTINE PLUG	2030	20.0	4.6	HILBIG	A1269
ARITHMETIC AVERAGE	2030	20.0	4.6		
GEOMETRIC AVERAGE		20.0			
MEDIAN VALUE		20.0	4.6		
MODE		20.0	4.6		
IDEAL SPECIFIC FLOW RATE =	.7 GPM/FT				
AUSTIN GROUP					
AUSTIN CHALK	1510		16.0	PEG, NORTH	5AC
ARITHMETIC AVERAGE	1510		16.0		
GEOMETRIC AVERAGE			16.0		
MEDIAN VALUE			16.0		
MODE			16.0		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				

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BAYLOR COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOLFCAMP SERIES UNDIFFERENTIATED					
TANNEHILL	1200	1.0	20.0	BAYLOR CO. REG.	146K
TANNEHILL (B)	1200	50.0	20.0	BAYLOR CO. REG.	168K
TANNEHILL	1220	417.0	22.9	BAYLOR COUNTY REG.	A0970
TANNEHILL SAND	1235	60.0	22.0	BAYLOR COUNTY REG.	A0271
TANNEHILL SAND	1235	60.0	22.0	BAYLOR COUNTY REG.	A0970
TANNEHILL (B)	1250	35.0	20.0	BAYLOR CO. REG.	167K
TANNEHILL	1250	60.0	24.0	BAYLOR CO. REG.	152K
TANNEHILL SAND	1285	304.0	24.3	BAYLOR COUNTY REG.	A0371
TANNEHILL	1285	304.0	24.3	BAYLOR COUNTY REG.	A1169
TANNEHILL	1285	304.0	24.3	BAYLOR CO. REG.	161K
TANNEHILL	1290	229.0	22.1	BAYLOR CO. REG.	149K
CAMP COQUON-TANNEHILL	1290	229.0	22.1	BAYLOR CO. REG.	160K
TANNEHILL	1300	350.0	22.0	BAYLOR CO. REG.	145K
TANNEHILL	1300	60.0	20.0	BAYLOR CO. REG.	151K
TANNEHILL	1300	60.0	20.0	BAYLOR CO. REG.	153K
TANNEHILL	1300	211.0	24.3	BAYLOR CO. REG.	154K
TANNEHILL	1300	290.0	23.5	F.C.R.	377K
TANNEHILL SAND	1310	100.0	25.0	BAYLOR CO. REG.	169K
TANNEHILL	1315	1.0	20.0	BAYLOR CO. REG.	147K
TANNEHILL	1321	50.0	20.0	BAYLOR CO. REGULAR	A 469
TANNEHILL (C) SAND	1360	467.0	24.7	BAYLOR COUNTY REG.	A1069
TANNEHILL (C) SAND	1360	467.0	24.7	BAYLOR CO. REG.	156K
TANNEHILL (C)	1368	498.0	24.8	BAYLOR CO. REG.	155K
TANNEHILL (M)	1400	21.0	25.2	BAYLOR COUNTRY REG.	176AJ
TANNEHILL SAND	1400	816.0	27.0	BAYLOR CO. REG.	159K
TANNEHILL	1400	490.0	21.6	BAYLOR CO. REG.	163K
TANNEHILL	1400	425.0	27.0	BAYLOR CO. REG.	164K
TANNEHILL	1420	139.0	24.0	BOMARTON	176K
TANNEHILL *C* SAND	1450	439.0	25.2	FRITZ	384K
TANNEHILL (C)	1460	626.0	26.4	BAYLOR CO. REG.	158K
TANNEHILL	1460	560.0	24.0	BAYLOR CO. REG.	162K
TANNEHILL (C)	1460	580.0	25.0	BOMARTON	177K
TANNEHILL (C) SAND	1465	560.0	24.8	BAYLOR CO. REG.	157K
TANNEHILL SAND	1501	25.0	20.0	BAYLOR CO. REG.	148K
1600 FT TANNEHILL	1620	200.0	24.0	GLENDIA JANIS	387K
1700 FT TANNEHILL	1720	300.0	25.0	GOREE	393K
ARITHMETIC AVERAGE	1354	271.9	23.2		
GEOMETRIC AVERAGE		142.7			
MEDIAN VALUE		290.0	24.0		
MODE		616.7	20.4		
IDEAL SPECIFIC FLOW RATE =	9.5 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CISCO GROUP					
CISCO	1240	60.0	22.0	BAYLOR COUNTY	A 671
CISCO	1420	5.0	10.0	BAYLOR CO. REGULAR	A 869
CISCO	1538	129.0	25.0	BAYLOR CO. REGULAR	A0171
ARITHMETIC AVERAGE	1399	64.7	19.0		
GEOMETRIC AVERAGE		33.8			
MEDIAN VALUE		60.0	22.0		
MODE		6.0	10.8		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
CANYON GROUP					
PALO PINTO REEF	3000	100.0	15.0	RENDHAM POOL	665K
ARITHMETIC AVERAGE	3000	100.0	15.0		
GEOMETRIC AVERAGE		100.0			
MEDIAN VALUE		100.0	15.0		
MODE		100.0	15.0		
IDEAL SPECIFIC FLOW RATE =	4.1 GPM/FT				
STRAWN GROUP					
STRAWN	4675	19.0	15.3	SEYMOUR, EAST	687K
CADDO	4849	150.0	15.0	WESTOVER, EAST	163AG
ARITHMETIC AVERAGE	4762	84.5	15.1		
GEOMETRIC AVERAGE		53.4			
MEDIAN VALUE		150.0	15.3		
MODE		21.2	15.0		
IDEAL SPECIFIC FLOW RATE =	1.6 GPM/FT				
MISSISSIPPIAN SYSTEM UNDIFFERENTIATED					
MISSISSIPPIAN LM.	5350	100.0	20.0	WESTOVER, NORTHEAST	174AC
MISSISSIPPIAN	5450		9.0	BENDHAM, NORTH	165AH
ARITHMETIC AVERAGE	5400	100.0	14.5		
GEOMETRIC AVERAGE		100.0			
MEDIAN VALUE		100.0	20.0		
MODE		100.0	9.6		
IDEAL SPECIFIC FLOW RATE =	9.2 GPM/FT				

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GeOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUEYDAN-CATAHOULA GROUP					
3250 B SAND	3250	742.0	30.5	PAPALOTE, EAST	14AC
ARITHMETIC AVERAGE	3250	742.0	30.5		
GEOMETRIC AVERAGE		742.0			
MEDIAN VALUE		742.0	30.5		
MODE		742.0	30.5		
IDEAL SPECIFIC FLOW RATE =	44.6 GPM/FT				
VICKSBURG GROUP					
VICKSBURG	4900	591.0	25.0	BLANCONITA	3AI
CHAMBERLAIN	5597		21.0	MASSINGILL, WEST	12AS
ARITHMETIC AVERAGE	5248	591.0	23.0		
GEOMETRIC AVERAGE		591.0			
MEDIAN VALUE		591.0	25.0		
MODE		591.0	21.2		
IDEAL SPECIFIC FLOW RATE =	79.8 GPM/FT				
JACKSON GROUP					
HOCKLEY UPPER	3398	312.0	29.8	COSDEN W. HKLY UPPER	13B
UPPER HOCKLEY HLK 1	3412	105.0	26.0	MINERAL, EAST	11AC
UPPER HOCKLEY HLK 2	3412	73.0	27.6	MINERAL, EAST	12AC
3500 FT HOCKLEY	3550	299.0	30.8	COSDEN W. 3550 HCKLY	12B
3550 FOOT SAND	3550	500.0	33.0	THE IS	51B
HOCKLEY LOWER	3594	403.0	31.8	COSDEN W. HKLY LOWER	14B
LOWER HOCKLEY	3650	834.0	35.2	COSDEN, WEST	10AL
ARITHMETIC AVERAGE	3509	360.9	30.6		
GEOMETRIC AVERAGE		275.4			
MEDIAN VALUE		312.0	30.8		
MODE		280.8	26.5		
IDEAL SPECIFIC FLOW RATE =	18.6 GPM/FT				
CLAIBORNE GROUP					
PETTUS SAND	3675	501.0	34.0	PETTUS NEW	44B

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
BEE COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CLAIBORNE GROUP					
PETTUS SAND	3700	578.0	34.0	PETTUS	42B
PETTUS SAND	3920	579.0	38.0	PETTUS	43B
PETTUS	4050	77.0	33.0	HOLZMARK	A1169
ARITHMETIC AVERAGE	3836	433.7	34.7		
GEOMETRIC AVERAGE		337.1			
MEDIAN VALUE		578.0	34.0		
MODE		526.1	33.8		
IDEAL SPECIFIC FLOW RATE =	40.6 GPM/FT				
WILCOX GROUP					
SLICK	6642	62.0	24.6	ELLA BORRROUM	8AS
SLICK	7468	81.0	21.4	YOWARD (SW SLICK)	
SLICK SAND	7468	235.0	20.0	YOWARD, WEST	46AM
SLICK-WILCOX	7470	550.0	21.5	YOWARD	
SLICK SAND	7500	360.0	21.0	YOWARD	45AM
ARITHMETIC AVERAGE	7310	257.6	21.7		
GEOMETRIC AVERAGE		187.8			
MEDIAN VALUE		235.0	21.4		
MODE		69.6	21.6		
IDEAL SPECIFIC FLOW RATE =	16.8 GPM/FT				

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 BEXAR COUNTY

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GULF SERIES UNDIFFERENTIATED					
NAVARRO CRETACEOUS	600	25.0	24.0	SOUTHTON	49A
COOKSEY	1730	97.0	29.0	COOKSEY	16A
ARITHMETIC AVERAGE	1165	61.0	26.5		
GEOMETRIC AVERAGE		49.2			
MEDIAN VALUE		97.0	29.0		
MODE		26.8	24.3		
IDEAL SPECIFIC FLOW RATE =	.4 GPM/FT				
NAVARRO GROUP					
ESCONDIDO SAND	200	18.0	25.0	VON ORMY	A0271
NAVARRO OLMOS	454	270.0	31.4	GAS RIDGE	A 671
ECKERT (NAVARRO)	675	122.0	28.5	ECKERT	A0171
ECKERT (NAVARRO)	675	122.0	28.5	ECKERT	A 770
NAVARRO (OLMOS)	450	270.0	31.0	GAS RIDGE	A0570
OLMOS SAND	670	122.0	28.5	ECKERT	A0570
OLMOS SAND	670	122.0	28.5	ECKERT	A1070
OLMOS SAND	670	122.0	29.0	ECKERT	27A
OLMOS	680	122.0	29.0	ECKERT	28A
ARITHMETIC AVERAGE	572	143.3	28.8		
GEOMETRIC AVERAGE		117.7			
MEDIAN VALUE		122.0	28.5		
MODE		138.5	28.5		
IDEAL SPECIFIC FLOW RATE =	.8 GPM/FT				
TAYLOR GROUP					
ANACACHO	1170	1.0	19.0	FAIRFIELD	31A
ARITHMETIC AVERAGE	1170	1.0	19.0		
GEOMETRIC AVERAGE		1.0			
MEDIAN VALUE		1.0	19.0		
MODE		1.0	19.0		
IDEAL SPECIFIC FLOW RATE =	.0 GPM/FT				

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 BEXAR COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
	STRAWN GROUP				
STRAWN	1743	14.0	14.2	STEPHENS CO. REGULAR	3406
ARITHMETIC AVERAGE	1743	14.0	14.2		
GEOMETRIC AVERAGE		14.0			
MEDIAN VALUE		14.0	14.2		
MODE		14.0	14.2		
IDEAL SPECIFIC FLOW RATE =	.3 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
LEONARD (SUB-DIVIDED) SERIES UNDIFFERENTIATED					
CLEARFORK	4065	26.0	16.0	LUCY	103AI
CLEARFORK	4055	3.0	13.0	LUCY	76J
ARITHMETIC AVERAGE	4065	14.5	14.5		
GEOMETRIC AVERAGE		8.8			
MEDIAN VALUE		26.0	16.0		
MODE		3.4	13.2		
IDEAL SPECIFIC FLOW RATE =	.2 GPM/FT				
LEONARD (UNDIVIDED) SERIES UNDIFFERENTIATED					
SPRABERRY	6362	.1	20.5	LAMB	61AQ
SPRABERRY	7100	3.0	17.0	JO MILL	36AA
SPRABERRY	7100	3.0	16.0	JO-MILL, NORTH	151AJ
SPRABERRY	7200	8.0	17.0	JO MILL	243I
LOWER SPRABERRY	7215	2.4	15.8	JO -MILL	A 869
SPRABERRY	7500	2.9	17.4	JO-MILL	116AM
ARITHMETIC AVERAGE	7079	3.2	17.3		
GEOMETRIC AVERAGE		1.9			
MEDIAN VALUE		3.0	17.0		
MODE		2.7	16.0		
IDEAL SPECIFIC FLOW RATE =	.4 GPM/FT				
WOLFCAMP SERIES UNDIFFERENTIATED					
WOLFCAMP LIMESTONE	5920	593.0	14.3	CANNING	157AN
WOLFCAMP	6063	76.0	14.4	VON ROEDER	133AS
CISCO-WOLFCAMP REEF	7400	267.0	10.2	VEALMOOR, EAST	75AA
ARITHMETIC AVERAGE	6461	312.0	13.0		
GEOMETRIC AVERAGE		229.2			
MEDIAN VALUE		267.0	14.3		
MODE		84.7	14.2		
IDEAL SPECIFIC FLOW RATE =	9.5 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENNSYLVANIAN	7100	602.0	9.4	HOBO	172AN
PENNSYLVANIAN LM.	7800	40.0	9.0	LUCY	120AF
PENNSYLVANIAN	8100		9.0	U-LAZY S	154AH
ARITHMETIC AVERAGE	7667	321.0	9.1		
GEOMETRIC AVERAGE		155.2			
MEDIAN VALUE		602.0	9.0		
MODE		46.2	9.0		
IDEAL SPECIFIC FLOW RATE =	6.7 GPM/FT				
CISCO GROUP					
CISCO REEF	6850		14.0	REINECKE	196AN
ARITHMETIC AVERAGE	6850		14.0		
GEOMETRIC AVERAGE					
MEDIAN VALUE			14.0		
MODE			14.0		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				
CANYON GROUP					
CANYON LIME	6700	43.9	9.3	DIAMOND #M*	A1270
CANYON LIME	6700	44.0	8.8	DIAMOND M	26J
CANYON	6794	100.0	6.0	REINECKE, EAST	118AR
CANYON REEF	6775	33.0	10.7	VON ROEDER, SOUTH	219AN
CANYON REEF	6800	32.0	9.4	VON ROEDER	A1270
CANYON REEF	6800	32.0	9.4	VON ROEDER, NORTH	164J
CANYON REEF	6835	32.0	9.4	VON ROEDER, NORTH	218AN
CANYON REEF	6835	32.0	9.4	VON ROEDER, NORTH	134AM
CANYON REEF	8000	53.0	8.3	GOOD	170AN
CANYON REEF	8000	14.0	5.6	GOOD, NORTHEAST	112AM
CANYON REEF	8038	4.3	9.0	GOOD, SOUTHEAST	111AF
CANYON REEF	8100	53.0	8.3	GOOD	A 269
CANYON REEF	8128	14.0	5.6	GOOD, NORTHEAST	94AC
ARITHMETIC AVERAGE	7270	37.5	8.4		
GEOMETRIC AVERAGE		30.0			
MEDIAN VALUE		32.0	9.0		
MODE		33.7	9.4		
IDEAL SPECIFIC FLOW RATE =	4.5 GPM/FT				
STRAWN GROUP					
STRAWN	7770	8.0	5.0	FLUVANNA	16AA

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAWN GROUP					
STRAWN (D)	8248		8.6	ROMAC	123AF
STRAWN	8400	13.2	9.1	DUNIGAN	122AH
ARITHMETIC AVERAGE	8139	10.5	7.6		
GEOMETRIC AVERAGE		10.2			
MEDIAN VALUE		13.0			
MODE		8.2	8.6		
IDEAL SPECIFIC FLOW RATE =	1.3 GPM/FT		5.2		
MISSISSIPPIAN SYSTEM UNDIFFERENTIATED					
MISSISSIPPIAN CHERT	8173	74.0	19.6	FLUVANNA	164AN
MISSISSIPPIAN	8220	74.0	19.6	FLUVANNA	17AA
ARITHMETIC AVERAGE	8196	74.0	19.6		
GEOMETRIC AVERAGE		74.0			
MEDIAN VALUE		74.0	19.6		
MODE		74.0	19.6		
IDEAL SPECIFIC FLOW RATE =	11.8 GPM/FT				
SILURIAN LOW-MID SERIES UNDIFFERENTIATED					
FUSSELMAN	9692	85.0	5.7	GOOD, SOUTHEAST	127AH
FUSSELMAN	9716	78.0	5.5	S. E. GOOD	90AA
FUSSELMAN	9740	28.0	17.5	CLARA GOOD	117AH
FUSSELMAN	9765	84.8	5.7	GOOD, SOUTHEAST	A 670
ARITHMETIC AVERAGE	9728	68.9	8.6		
GEOMETRIC AVERAGE		63.0			
MEDIAN VALUE		84.8	5.7		
MODE		80.5	6.1		
IDEAL SPECIFIC FLOW RATE =	17.4 GPM/FT				
ELLENBURGER GROUP					
ELLENBURGER	8381		7.0	MYRTLE, WEST	133AG
ELLENBURGER	8527		8.0	ROMAC	124AF
ELLENBURGER	8650		4.6	U-LAZY	153AH
ARITHMETIC AVERAGE	8519		6.5		
GEOMETRIC AVERAGE					
MEDIAN VALUE			7.0		
MODE			4.8		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				

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BRAZORIA COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
MIOCENE SERIES UNDIFFERENTIATED					
MIOCENE A-3 FB 97	2786	2600.0	34.0	WEST COLUMBIA	101C
MIOCENE A-1 FB-146	2850	2245.0	34.0	WEST COLUMBIA	98C
MIOCENE A-2 FB-13	2900	2600.0	34.0	WEST COLUMBIA	99C
MIOCENE A-3 FB 140	2925	2600.0	34.0	WEST COLUMBIA	102C
3300 FT. MIOCENE	3280	1500.0	32.0	DANBURY DOME	A 569
MIOCENE	3379	500.0	30.0	DANBURY DOME	A 569
MIOCENE	4123		30.0	MANVEL	15AH
MIOCENE	6764	56.0	26.5	BASTROP BAY	18AR
MIOCENE	6764	46.0	24.3	BASTROP BAY	18AS
ARITHMETIC AVERAGE	3975	1518.4	31.0		
GEOMETRIC AVERAGE		724.9			
MEDIAN VALUE		2245.0	32.0		
MODE		2168.4	33.5		
IDEAL SPECIFIC FLOW RATE =	161.2 GPM/FT				
OLIGOCENE SERIES UNDIFFERENTIATED					
OLIGOCENE (FRIO)	5100	3500.0	28.0	MANVEL	17AO
OLIGOCENE	5240	3500.0	28.0	MANVEL	A0870
ARITHMETIC AVERAGE	5170	3500.0	28.0		
GEOMETRIC AVERAGE		3500.0			
MEDIAN VALUE		3500.0	28.0		
MODE		3500.0	28.0		
IDEAL SPECIFIC FLOW RATE =	386.2 GPM/FT				
GUEYDAN-CATAHOULA GROUP					
MARGINULINA SAND	5392	151.0	27.9	WEST COLUMBIA	A0271
CAPROCK	735	10.0	25.0	WEST COLUMBIA	A0870
FRIO SANDS	3500		27.0	DAMON MOUND	21C
FRIO	4970	229.0	30.0	MANVEL	18AO
4970 FT	4996		29.0	MANVEL	11AQ
FRIO SAND	6200	720.0	29.0	HASTINGS, EAST	16AK
UPPER FRIO SAND	6200	900.0	33.0	HASTINGS, WEST	17AK
BONNEY UPPER FRIO	7300		32.5	BONNEY	10AK

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BRAZORIA COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUEYDAN-CATAHOULA GROUP					
7600 FT. SAND	7600	2500.0	35.0	ARCOLA	25AL
BONNEY 7600 FT. SD	7600		33.4	BONNEY	11AK
7660 FT. SAND	7660	99.0	26.0	BONNEY, NORTH	18AC
7700 FT. SAND	7700	100.0	30.0	BONNEY, NORTH	19AC
BONNEY 7850 FT. SD	7850	210.0	33.7	BONNEY	12AK
8100 FT. FRIO	8142	100.0	26.8	CHENANGO (8100 FT.)	A1069
FRIO	8150	140.0	26.8	CHENANGO	12AJ
8500 FT. SAND	8500		30.0	CHENANGO	32AL
UPPER FRIO SEG. 1-23	8747	1200.0	29.0	CHOCOLATE BAYOU	38AL
8900 FT. [A] SAND	8900		30.0	CHENANGO	33AL
8900 FT. [B] SAND	8900		27.0	CHENANGO	34AL
GRUBBS SAND	8924	1000.0	30.0	CHOCOLATE BAYOU	20AE
8950 FT. SAND	8950		28.0	CHENANGO	35AL
9200 FT. SAND	9200		25.0	CHENANGO	36AL
CHENAULT	9600	590.0	27.0	OLD OCEAN	60C
UPPER HOUSTON FARMS	9920	200.0	27.0	CHOCOLATE BAYOU E.	41AL
WILSON SAND	9992	50.0	30.0	BLUE LAKE	11C
ARMSTRONG	10000	1700.0	26.0	OLD OCEAN	59C
ANDRAU SAND	11196	725.0	20.0	CHOCOLATE BAYOU	A 571
ALIBEL	11423	400.0	29.0	CHOCOLATE BAYOU	37AL
LOWER FRIO SAND	6200	1010.0	23.0	HASTINGS, WEST	18AK
ARITHMETIC AVERAGE	7740	603.7	28.5		
GEOMETRIC AVERAGE		312.8			
MEDIAN VALUE		400.0	29.0		
MODE		124.6	26.8		
IDEAL SPECIFIC FLOW RATE =	27.3 GPM/FT				
WILCOX GROUP					
MAIN BLOCK FRIO	5400	1000.0	29.7	WEST COLUMBIA NEW	103C
ARITHMETIC AVERAGE	5400	1000.0	29.7		
GEOMETRIC AVERAGE		1000.0			
MEDIAN VALUE		1000.0	29.7		
MODE		1000.0	29.7		
IDEAL SPECIFIC FLOW RATE =	121.3 GPM/FT				

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CLAIBORNE GROUP					
SPARTA	2620	562.0	30.3	MILLICAN DOME	A1269
ARITHMETIC AVERAGE	2620	562.0	30.3		
GEOMETRIC AVERAGE		562.0			
MEDIAN VALUE		562.0	30.3		
MODE		562.0	30.3		
IDEAL SPECIFIC FLOW RATE =	25.8 GPM/FT				
WILCOX GROUP					
WILCOX	3800	302.0	30.3	MILLICAN, EAST	A0570
ARITHMETIC AVERAGE	3800	302.0	30.3		
GEOMETRIC AVERAGE		302.0			
MEDIAN VALUE		302.0	30.3		
MODE		302.0	30.3		
IDEAL SPECIFIC FLOW RATE =	25.9 GPM/FT				

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ROOKS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUEYDAN-CATAHOULA GROUP					
2400 FT SAND	2400	300.0	26.0	ALTA MESA GARCIA SD	12D
GARCIA SAND	2400	200.0	26.0	ALTA MESA	A0170
GARCIA SAND	2409	200.0	26.0	ALTA MESA	A 469
3800 FT SAND	3800	72.0	24.8	ALTA MESA EAST	13D
D SAND (FRIO)	4428	367.0	25.0	MILLS BENNETT	A0570
K=1	4450	270.0	22.5	KELSEY (K-1)	112D
K=3	4466	116.0	22.3	KELSEY (K-2+3,4)	116D
M=2 RESERVOIR (FRIO)	4730	400.0	23.0	KELSEY	43AH
F SAND (FRIO)	4920	167.0	27.5	MILLS BENNETT SEG.2	A0970
4950 FT SAND	4950	145.0	27.0	ALTA MESA	45AR
19=A (C)	5584	165.0	22.6	KELSEY DEEP, 19=A (C)	122D
FIRST MASSIVE (FRIO)	8020	94.0	21.0	VIBORAS	A0570
8300 FT SAND	8234	64.0	18.1	VIBORAS (8300 SAND)	260D
8300 FT. SAND	8300	64.0	18.1	VIBORAS	44AC
8300 FT. SAND	8300	62.0	20.7	VIBORAS	69AH
M=2 (VICKSBURG=FRIO)	4928	454.0	25.1	KELSEY (M=2)	A 869
Z17=B(N) (VKB=FRIO)	5430	296.0	24.9	KELSEY (DEEP ZONE)	A 770
Z18=E (VKB=FRIO)	5488	308.0	23.5	KELSEY (DEEP ZONE)	A1069
Z=C(N) (VKB=FRIO)	5500	446.0	26.8	KELSEY (DEEP ZONE)	A0170
Z18=B(N) (VKB=FRIO)	5500	446.0	26.8	KELSEY (DEEP ZONE)	A0170
KELSEY DEEP 17=B	5530	605.0	26.0	KELSEY	109AL
Z19=A(C) (VKB=FRIO)	5583	165.0	23.8	KELSEY (DEEP ZONE)	A0870
Z19=A(C) (VKB=FRIO)	5583	165.0	23.8	KELSEY (DEEP ZONE)	A0170
KELSEY DEEP 18	5650	37.0	20.0	KELSEY	110AL
Z18=E (VKB=FRIO)	5707	308.0	24.0	KELSEY (DEEP ZONE)	A 670
KELSEY DEEP 18=C	5730	595.0	25.0	KELSEY	111AL
DEEP, ZONE 18 B=N, C=N	5742	446.0	26.8	KELSEY	49AR
KELSEY DEEP 18=E	5755	340.0	24.0	KELSEY	112AL
KELSEY DEEP 19	5850	577.0	24.0	KELSEY	113AL
KELSEY DEEP 20=A	5900	541.0	29.0	KELSEY	115AL
Z18=B (VKB=FRIO)	5906	86.0	16.0	KELSEY (DEEP ZONE)	A 671
19=A, DEEP	5943	165.0	22.6	KELSEY	38AF
KELSEY DEEP 19=A	5980	205.0	23.0	KELSEY	114AL
ZONE 22=A (VKB=FRIO)	6005	600.0	25.2	KELSEY	A 671
KELSEY DEEP 20=B	6050	400.0	24.0	KELSEY	116AL
KELSEY DEEP 21=A	6100	208.0	21.0	KELSEY	117AL
DEEP, ZONE 20 F=N, H=N	6114	100.0	26.4	KELSEY	50AR
KELSEY DEEP 22	6230	318.0	23.0	KELSEY	119AL
DEEP, ZONE 22=A	6237	600.0	25.2	KELSEY	19AQ
22=A, DEEP	6250	487.0	24.0	KELSEY	59AF
KELSEY DEEP 21	6250	436.0	22.0	KELSEY	118AL
ARITHMETIC AVERAGE	5569	293.2	23.8		
GEOMETRIC AVERAGE		232.0			
MEDIAN VALUE		296.0	24.0		
MODE		401.7	24.5		
IDEAL SPECIFIC FLOW RATE =	56.3 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
VICKSBURG GROUP					
23, DEEP	6400	400.0	25.0	KELSEY	40AF
ATLEE [A]	6985	261.0	25.3	LA GLORIA	44AH
VICKSBURG SAND	8000	278.0	21.7	ENCINITAS	40AG
	8010	81.0	27.6	ENCINITAS (v=8)	22AO
8000 VICKSBURG	8035	278.0	21.7	ENCINITAS	76D
ARITHMETIC AVERAGE	7486	259.6	24.3		
GEOMETRIC AVERAGE		230.7			
MEDIAN VALUE		278.0	25.0		
MODE		269.2	22.0		
IDEAL SPECIFIC FLOW RATE =	65.5 GPM/FT				
JACKSON GROUP					
HOCKLEY E SAND	4813	200.0	30.0	PALO BLANCO	A 769
ARITHMETIC AVERAGE	4813	200.0	30.0		
GEOMETRIC AVERAGE		200.0			
MEDIAN VALUE		200.0	30.0		
MODE		200.0	30.0		
IDEAL SPECIFIC FLOW RATE =	21.4 GPM/FT				
CLAIBORNE GROUP					
LOMA BLANCA ZONE	6360	111.0	24.2	LA GLORIA	132D
ARITHMETIC AVERAGE	6360	111.0	24.2		
GEOMETRIC AVERAGE		111.0			
MEDIAN VALUE		111.0	24.2		
MODE		111.0	24.2		
IDEAL SPECIFIC FLOW RATE =	19.5 GPM/FT				

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BROWN COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOLF CAMP SERIES UNDIFFERENTIATED					
CHILDRESS 800 SAND	800		20.0	BROWN COUNTY REGULAR	320
UPPER FRYE	1150	883.0	24.5	BROWN COUNTY REGULAR	210
ARITHMETIC AVERAGE	975	883.0	22.2		
GEOMETRIC AVERAGE		883.0			
MEDIAN VALUE		883.0	24.5		
MODE		883.0	20.2		
IDEAL SPECIFIC FLOW RATE =	10.2 GPM/FT				
CANYON GROUP					
CROSS OUT SAND	1200		14.0	BROWN COUNTY REGULAR	286
CROSS OUT	1250		15.0	BROWN COUNTY REGULAR	296
CROSS OUT SAND	1150	20.0	16.0	BROWN COUNTY REG.	A0170
CROSS OUT SAND	1153	20.0	16.0	BROWN CO. REGULAR	A 370
ARITHMETIC AVERAGE	1188	20.0	15.2		
GEOMETRIC AVERAGE		20.0			
MEDIAN VALUE		20.0	16.0		
MODE		20.0	15.9		
IDEAL SPECIFIC FLOW RATE =	.3 GPM/FT				
STRAWN GROUP					
FRY SANDSTONE	420	578.0	21.2	BROWN COUNTY REGULAR	316
CADDO (REEF)	900		24.0	BROWN COUNTY REGULAR	336
FRY SAND TRAP	1100	71.0	17.7	BROWN COUNTY REGULAR	266
FRY	1130		18.0	BROWN COUNTY REGULAR	236
FRY	1250	85.0	16.0	BROWN COUNTY REGULAR	226
FRY LEASE (STRAWN)	1285	250.0	20.0	BROWN CO. REGULAR	A1069
FRY (STRAWN)	1300	155.0	19.2	BROWN COUNTY REGULAR	246
FRY	1300	500.0	24.0	BROWN COUNTY REGULAR	276
ARITHMETIC AVERAGE	1086	273.2	20.0		
GEOMETRIC AVERAGE		201.8			
MEDIAN VALUE		250.0	20.0		
MODE		79.3	18.0		
IDEAL SPECIFIC FLOW RATE =	1.0 GPM/FT				

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CALDWELL COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WILCOX GROUP					
BRANYON (WILCOX)	1990	1.0	18.0	LULING -BRANYON	A 770
ARITHMETIC AVERAGE	1990	1.0	18.0		
GEOMETRIC AVERAGE		1.0			
MEDIAN VALUE		1.0	18.0		
MODE		1.0	18.0		
IDEAL SPECIFIC FLOW RATE =	.0 GPM/FT				
GULF SERIES UNDIFFERENTIATED					
Serpentine	1600	7.0	25.0	LYTTON Springs	37A
ARITHMETIC AVERAGE	1600	7.0	25.0		
GEOMETRIC AVERAGE		7.0			
MEDIAN VALUE		7.0	25.0		
MODE		7.0	25.0		
IDEAL SPECIFIC FLOW RATE =	.2 GPM/FT				
AUSTIN GROUP					
AUSTIN CHALK	2020	1.1	20.0	SPILLER	A1269
AUSTIN CHALK	2590	.2	17.0	SALT FLAT	A 369
AUSTIN CHALK	1800	.2	15.0	LULING-BRANYON	A0470
AUSTIN CHALK	1850	.2	18.0	LULING-BRANYON	A0470
AUSTIN CHALK	2300	1.0	12.3	SALT FLAT	46A
AUSTIN CHALK	2393	-1	16.5	SALT FLAT	A 469
AUSTIN -BUDA	2395	-1	16.5	SALT FLAT	A 469
ARITHMETIC AVERAGE	2193	.4	16.5		
GEOMETRIC AVERAGE		.3			
MEDIAN VALUE		.2	16.5		
MODE		.2	16.5		
IDEAL SPECIFIC FLOW RATE =	.0 GPM/FT				
EAGLE FORD GROUP					
EAGLEFORD SHALE	1800	.2	15.0	LULING-BRANYON	A0470

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
EAGLE FORD GROUP					
EAGLEFORD SHALE	1850	.2	18.0	LULING-BRANYON	A0470
ARITHMETIC AVERAGE	1825	.2	16.5		
GEOMETRIC AVERAGE		.2			
MEDIAN VALUE		.2	18.0		
MODE		.2	15.2		
IDEAL SPECIFIC FLOW RATE =	.0 GPM/FT				
WASHITA GROUP					
BUDA LIME	1800	.2	15.0	LULING-BRANYON	A0470
BUDA LIME	1850	.2	18.0	LULING-BRANYON	A0470
BUDA LIME	2020	1.1	20.0	SPILLER	A1269
BUDA LIME	2315	.3	18.3	SALT FLAT	A 469
CHALK AND BUDA LIME	2350	1.0	23.0	SALT FLAT	47A
ARITHMETIC AVERAGE	2067	.6	18.9		
GEOMETRIC AVERAGE		.4			
MEDIAN VALUE		.3	18.3		
MODE		.2	15.4		
IDEAL SPECIFIC FLOW RATE =	.0 GPM/FT				

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CALHOUN COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
MIOCENE SERIES UNDIFFERENTIATED					
3A	5085	59.0	27.0	POWDERHORN#WEST	6AP
ARITHMETIC AVERAGE	5085	59.0	27.0		
GEOMETRIC AVERAGE		59.0			
MEDIAN VALUE		59.0	27.0		
MODE		59.0	27.0		
IDEAL SPECIFIC FLOW RATE =	6.5 GPM/FT				
GUEYDAN=CATAHOULA GROUP					
MELBOURNE SAND	3950	320.0	29.0	MAGNOLIA BEACH K=BAY	5AK
5400 NO.1 SAND	5400	330.0	31.0	HEYSER	2AP
5400 FT. 1	5400	300.0	23.0	HEYSER	8AE
5400 FT. 2	5400	215.0	24.0	HEYSER	9AE
5400 FT. 3	5400	1200.0	30.0	HEYSER	10AE
5400 NO. 1 SAND	5400	330.0	31.0	HEYSER 5400 NO. 1 SD	27B
5400 NO. 2 SAND	5420	215.0	24.0	HEYSER 5400 NO. 2 SD	28B
5400 FT. NO. 1 SAND	5474	330.0	31.0	HEYSER	A0170
5400 NO. 1 SD (FRIO)	5474	330.0	31.0	HEYSER	A1070
5400 NO.1 SD (FRIO)	5474	330.0	31.0	HEYSER	A 571
R10	5564	100.0	31.0	HEYSER	25B
UPPER PRIO	5710	1000.0	32.0	SHERIFF	37AM
6000 FT. GRETA	6000	658.0	31.8	GREEN LAKE, SW	10AC
6100 FT 2=A SOUTH	6125	320.0	28.5	HEYSER	26B
7700 FT. SAND	7700	3656.0	32.6	SWAN LAKE	13AI
D=3 SAND	7711	301.0	31.0	SAN ANTONIO BAY N.	7AJ
MELBOURNE	8253	287.0	29.3	MAUDE B. TRAYLOR, E.	13AS
8300 FT. SAND	8300	810.0	27.2	HAUD B. TAYLOR	6AK
8300 FT. SAND	8300	463.0	30.0	OLIVIA, EAST	7AK
MELBOURNE C	8670	250.0	30.0	MAGNOLIA BEACH	39B
MELBOURNE SAND	8685	130.0	28.0	MAGNOLIA BEACH	1AN
ARITHMETIC AVERAGE	6372	569.8	29.4		
GEOMETRIC AVERAGE		387.0			
MEDIAN VALUE		330.0	30.0		
MODE		358.1	31.2		
IDEAL SPECIFIC FLOW RATE =	56.0 GPM/FT				

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PERMIAN SYSTEM UNDIFFERENTIATED					
SEALE TRUST	883	200.0	21.0	CALLAHAN CO, REGULAR	A 670
ARITHMETIC AVERAGE	883	200.0	21.0		
GEOMETRIC AVERAGE		200.0			
MEDIAN VALUE		200.0	21.0		
MODE		200.0	21.0		
IDEAL SPECIFIC FLOW RATE #	2.0 GPM/FT				
WOLFCAMP SERIES UNDIFFERENTIATED					
MOUTRAY SAND	75	200.0	21.0	CALLAHAN COUNTY REG.	A1069
TANNEHILL 350 FT	300	78.0	23.0	WAGLEY	3886
TANNEHILL SAND	350	50.0	17.0	CALLAHAN CO, REGULAR	510
COOK SAND	350	150.0	23.0	CALLAHAN CO, REGULAR	666
350 FT COOK	350	500.0	25.0	CALLAHAN CO, REGULAR	376
MOUTRAY SAND	420	43.0	20.0	CALLAHAN CO, REGULAR	366
COOK	450		23.0	CALLAHAN CO, REGULAR	706
COOK SAND	490	250.0	20.0	CALLAHAN CO, REGULAR	546
COOK SAND	520	252.0	23.0	CALLAHAN CO, REGULAR	536
MOUTRAY	536	83.0	21.5	CALLAHAN CO, REGULAR	466
MOUTRAY	540	216.0	25.5	CALLAHAN CO, REGULAR	476
COOK SAND	545	20.0	25.0	CALLAHAN CO, REGULAR	596
COOK SAND	545	20.0	25.0	CALLAHAN CO, REGULAR	606
COOK	580	75.0	21.0	CALLAHAN CO, REGULAR	386
MOUTRAY	674	261.0	23.8	CALLAHAN CO, REGULAR	486
MOUTRAY	708	700.0	22.0	CALLAHAN CO, REGULAR	A 869
NOODLE CREEK	740	165.0	22.7	CALLAHAN CO, REGULAR	646
MOUTRAY SAND	875	200.0	21.0	CALLAHAN COUNTY REG.	A0870
MOUTRAY SAND	883	200.0	21.0	CALLAHAN CO, REGULAR	A 270
MOUTRAY SAND	1000	356.0	24.4	CALLAHAN CO, REGULAR	576
MOUTRAY SAND	1055	150.0	19.0	CALLAHAN COUNTY REG.	A1070
MOUTRAY SAND	1065	290.0	22.0	CALLAHAN CO, REGULAR	566
MOUTRAY SAND	1100	150.0	23.0	CALLAHAN COUNTY REG.	A0271
MOUTRAY	1106	100.0	20.0	CALLAHAN CO, REGULAR	A 669
MOUTRAY SAND	1109	317.0	23.9	CALLAHAN CO, REGULAR	A 369
MOUTRAY SAND	1175	500.0	18.5	CALLAHAN COUNTY REG.	A1070
MOUTRAY SAND	1240	350.0	22.0	CALLAHAN COUNTY REG.	A0570
MOUTRAY SAND	1250	350.0	22.0	CALLAHAN CO, REGULAR	A 270
WOLFCAMP	1285	350.0	23.0	CALLAHAN CO, REGULAR	A0171

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WOLFCAMP SERIES UNDIFFERENTIATED					
MOUTRAY	1300		12.0	CALLAHAN CO. REGULAR	526
MOUTRAY	1305	100.0	22.0	CALLAHAN CO. REGULAR	A 370
MOUTRAY	1305	100.0	22.0	CALLAHAN CO. REG.	A 469
MOUTRAY SAND	1490	150.0	20.0	CALLAHAN CO. REGULAR	586
COOK SAND	1525	192.0		DYKES	105AN
FLIPPEN SAND	1660	70.0	18.0	DYER	A 670
FLIPPEN SAND	1670	280.0	20.9	THREE ACES (FLIPPEN)	360G
FLIPPEN SAND	1681	283.0	20.9	THREE ACES (FLIPPEN)	A 670
WOLFCAMP	1726	100.0	18.0	CALLAHAN	A 171
Upper Cook	1771	850.0	20.0	OLGA	92AH
FLIPPEN SAND	1775	103.0	19.0	CALLAHAN CO. REGULAR	456
COOK	1800	168.0	20.7	EULA, NORTHWEST	68AK
COOK SAND	1860	395.0	22.0	PECAN BAYOU	A 671
FLIPPEN SAND	1950	200.0	20.0	INMAN	A1070
FLIPPEN SAND	1980		16.0	INMAN (FLIPPEN SAND)	150G
ARITHMETIC AVERAGE	1048	228.5	21.2		
GEOMETRIC AVERAGE		170.3			
MEDIAN VALUE		200.0	21.5		
MODE		232.8	22.1		
IDEAL SPECIFIC FLOW RATE =	2.9 GPM/FT				
CISCO GROUP					
HOPE SAND	900	250.0	24.0	CALLAHAN CO. REGULAR	696
UPPER HOPE	1500	6.0	13.7	MYERS	71AK
KING SAND	1536	120.0	18.0	EGN KING SAND	A0870
KING SAND	1540	120.0	18.0	E G N KING SAND	1136
HOPE SAND	1710		20.0	WHITEHEAD	3956
LOWER HOPE	1798	300.0	16.0	EULA	185AL
ARITHMETIC AVERAGE	1497	159.2	18.3		
GEOMETRIC AVERAGE		91.7			
MEDIAN VALUE		120.0	18.0		
MODE		115.0	18.3		
IDEAL SPECIFIC FLOW RATE =	2.2 GPM/FT				
CANYON GROUP					
CROSS PLAINS SAND	400	275.0	22.4	CALLAHAN CO. REGULAR	496
CROSS PLAINS SAND	1783	627.0	18.9	WAR=KIRK	126AN
CROSS OUT	1800		14.0	CALLAHAN CO. REGULAR	626
CROSS PLAINS	1800	384.0	22.8	A. C. SCOTT	80AH
CROSS PLAINS SAND	1800	224.0	18.8	A.C. SCOTT	16

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CANYON GROUP					
GIDDENS	1900	170.0	15.7	GIDDENS (1900 SAND)	1316
GIDDENS 1900 FT SAND	1970	26.0	15.7	GIDDENS (1900 SAND)	1326
MORAN SAND	2150		23.0	FINLEY	57A1
MORAN SAND	2240	250.0	17.9	CALLAHAN CO. REGULAR	506
CROSS CUT	2240	31.0	14.6	HERR-KING	189AL
MORAN SAND	2480	33.0	13.9	HERR-KING	188AL
HERR-KING (CROSS CUT)	2500	750.0	16.0	HERR-KING (CROSS CUT)	1466
CROSS CUT SAND	2575	50.0	17.5	CALLAHAN CO. REGULAR	446
MORAN SAND	2700	244.0	16.8	RED HORSE (MORAN)	2276
PALO PINTO	3200	72.0	14.6	CALLAHAN CO. REGULAR	426
PALO PINTO LINE	3250	41.0	8.9	CALLAHAN CO. REGULAR	436
PALO PINTO	3300	150.0	13.0	BOX (PALO PINTO)	186
MORAN	4692	275.0	17.3	RED HORSE	117AN
MORAN	900	111.0	20.7	CALLAHAN CO. REGULAR	686
MORAN	980	114.0	21.7	CALLAHAN CO. REGULAR	676
CROSS OUT SAND	1800	5.1	15.0	CALLAHAN COUNTY REG.	A0870
ARITHMETIC AVERAGE	2212	201.7	17.1		
GEOMETRIC AVERAGE		114.0			
MEDIAN VALUE		150.0	16.8		
MODE		222.1	15.2		
IDEAL SPECIFIC FLOW RATE =	7.1 GPH/FT				
STRAWN GROUP					
FRY, UPPER	800	114.0	21.7	CALLAHAN CO. REGULAR	616
FRY SAND	1182	282.0	23.0	COLONEL (FRY SAND)	946
STRAWN	1800		15.0	CALLAHAN CO. REGULAR	636
ARITHMETIC AVERAGE	1261	198.0	19.9		
GEOMETRIC AVERAGE		179.3			
MEDIAN VALUE		282.0	21.7		
MODE		119.4	15.4		
IDEAL SPECIFIC FLOW RATE =	1.8 GPH/FT				
BEND GROUP					
4040 FT SAND	4046		14.3	MARGE, EAST	42A0
ARITHMETIC AVERAGE	4046		14.3		
GEOMETRIC AVERAGE					
MEDIAN VALUE			14.3		
MODE			14.3		
IDEAL SPECIFIC FLOW RATE =	0.0 GPH/FT				

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CAMP COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
EAGLE FORD GROUP					
SUB-CLARKSVILLE	3850	847.0	30.1	NEWSOME	75AM
ARITHMETIC AVERAGE	3850	847.0	30.1		
GEOMETRIC AVERAGE		847.0			
MEDIAN VALUE		847.0	30.1		
MODE		847.0	30.1		
IDEAL SPECIFIC FLOW RATE =	65.0 GPM/FT				
SLIGO (PETTET) GROUP					
UP + LOW PITTSBURG	7647	41.0	10.9	PITTSBURG	43F
PITTSBURG	8200	278.0	15.9	NEWSOME	60AK
ARITHMETIC AVERAGE	7923	159.5	13.4		
GEOMETRIC AVERAGE		106.8			
MEDIAN VALUE		278.0	15.9		
MODE		45.3	11.2		
IDEAL SPECIFIC FLOW RATE =	13.1 GPM/FT				

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CARSON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOLFCAMP SERIES UNDIFFERENTIATED					
PANHANDLE (WATKINS)	2750	10.0	12.0	PANHANDLE CARSON CO.	106L
DOLOMITE	3000	23.0	63.0	PANHANDLE CARSON CO.	A0570
BROWN DOLOMITE	3000	40.0	12.0	PANHANDLE CARSON CO.	11L
BROWN DOLOMITE	3000	10.0	15.0	PANHANDLE CARSON CO.	13L
BROWN DOLOMITE	3000	10.0	12.0	PANHANDLE CARSON CO.	14L
BROWN DOLOMITE	3050		12.0	PANHANDLE	A 269
BROWN DOLOMITE	3100	30.0	15.0	PANHANDLE CARSON CO.	8L
BROWN DOLOMITE	3100	30.0	15.0	PANHANDLE CARSON CO.	9L
BROWN DOLOMITE	3110	20.0	12.0	PANHANDLE CARSON CO.	A0271
WOLFCAMP DOLOMITE	3182	10.0	12.0	PANHANDLE GRAY	A 669
ARITHMETIC AVERAGE	3029	20.3	18.0		
GEOMETRIC AVERAGE		17.6			
MEDIAN VALUE		20.0	12.0		
MODE		10.7	14.6		
IDEAL SPECIFIC FLOW RATE =	.4 GPM/FT				
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
GRANITE WASH	3065	400.0	20.0	PANHANDLE	A 369
GRANITE WASH	3161	50.0	14.0	PANHANDLE CARSON	A 469
GRANITE WASH	3193	1600.0	19.0	WEST PANHANDLE	A 869
GRANITE WASH	3195	50.0	16.0	PANHANDLE CARSON CO.	4L
ARITHMETIC AVERAGE	3153	525.0	17.2		
GEOMETRIC AVERAGE		200.0			
MEDIAN VALUE		400.0	19.0		
MODE		60.4	14.3		
IDEAL SPECIFIC FLOW RATE =	2.6 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
TRINITY GROUP					
HILL SAND	5835	219.0	19.2	RODESSA, NORTHEAST	76AG
HILL SAND	5900	29.0	18.9	RODESSA, NORTH	76AH
DEES -YOUNG	5910	124.0	19.0	RODESSA	A 469
MITCHELL	5934	25.0	17.0	HAYNES (MITCHELL)	A 669
MUFFINS-HILL	5970	64.0	16.0	RODESSA	54AC
MITCHELL	6000	500.0	15.0	HAYNES (MITCHELL)	26F
HENDERSON-GLOYD	6000	27.0	16.1	KILDARE	28F
HENDERSON-GLOYD	6000	25.0	16.2	KILDARE	29F
HILL SAND	6000	70.0	18.0	RODESSA	45F
6000 FT MITCHELL	6000	125.0	17.0	RODESSA, EAST	46F
MITCHELL	6000	53.0	18.3	HAYNES	179AL
MUFFINS -HILL	6002	70.0	18.0	RODESSA	A 770
MITCHELL SAND	6100	28.0	15.0	RODESSA, NW	47F
MITCHELL	6102	28.0	15.0	RODESSA NW	A 869
RODESSA	6162	11.6	16.2	FRIENDSHIP	73AH
ARITHMETIC AVERAGE	5994	93.2	17.0		
GEOMETRIC AVERAGE		54.9			
MEDIAN VALUE		53.0	17.0		
MODE		30.3	16.1		
IDEAL SPECIFIC FLOW RATE =	4.5 GPM/FT				
SLIGO (PETTET) GROUP					
PETTET	6668	64.0	15.8	KILDARE	59AK
PETTET LIMESTONE	6700	64.0	16.2	KILDARE (PETTET)	30F
ARITHMETIC AVERAGE	6684	64.0	16.0		
GEOMETRIC AVERAGE		64.0			
MEDIAN VALUE		64.0	16.2		
MODE		64.0	15.8		
IDEAL SPECIFIC FLOW RATE =	13.1 GPM/FT				
JURASSIC UPPER SERIES UNDIFFERENTIATED					
SHAC-OVER	10400	104.0	18.9	BRYANS MILL	5F
ARITHMETIC AVERAGE	10400	104.0	18.9		
GEOMETRIC AVERAGE		104.0			
MEDIAN VALUE		104.0	18.9		
MODE		104.0	18.9		
IDEAL SPECIFIC FLOW RATE =	43.8 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
UNKNOWN FORMATION					
10500 FT. (COTTEN V)	10500	4.8	5.3	LINDEN, EAST	58AF
ARITHMETIC AVERAGE	10500	4.8	5.3		
GEOMETRIC AVERAGE		4.8			
MEDIAN VALUE		4.8	5.3		
MODE		4.8	5.3		
IDEAL SPECIFIC FLOW RATE =	2.1 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD
SALINE WATER RESOURCES SURVEY

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OF THE
STATE OF TEXAS
AQUIFER ROCK PROPERTIES
CHAMBERS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
MIOCENE SERIES UNDIFFERENTIATED					
MIOCENE	4750	800.0	32.0	BARBERS HILL	A0470
MIOCENE	6100	473.0	32.1	WINNIE, NORTH	28AG
MIOCENE	6320	590.0		WINNIE, NORTH	29AG
ARITHMETIC AVERAGE	5723	621.0	32.0		
GEOMETRIC AVERAGE		606.6			
MEDIAN VALUE		590.0	32.1		
MODE		485.8	32.0		
IDEAL SPECIFIC FLOW RATE =	67.4 GPM/FT				
GUEYDAN=CATAHOULA GROUP					
UPPER FRIO NO.1	6396	604.0	30.6	HANKAMER, SOUTH	18AI
6600 FT SAND	6600	162.0	28.7	ALLIGATOR BAYOU, E.	16AS
FRIO SAND	6850	1085.0	28.3	ANAHUAC	A0371
FRIO SAND	6850	1085.0	28.3	ANAHUAC	A1170
FRIO	6887	1085.0	28.3	ANAHUAC	A 370
FRIO A	6887	1085.0	28.3	ANAHUAC	A 670
FRIO A	7015	1085.0	28.5	ANAHUAC	3C
FRIO A	7015	1085.0	28.5	ANAHUAC	4C
FRIO A	7015	1085.0	28.5	ANAHUAC	5C
FRIO C	7100	1085.0	28.5	ANAHUAC	6C
FRIO 1	7102	440.0	32.0	TRINITY BAY	34AR
FRIO A (MAIN RES.)	7140	1085.0	27.3	ANAHUAC	22AL
FRIO (A)	7140	1055.0	28.5	ANAHUAC	11AJ
FRIO 1-B	7574	500.0	30.7	FISHERS REEF FRIO 1B	27C
FRIO 2	7614	150.0	27.2	FISHERS REEF	18AP
13-A	7633	355.0	31.0	ALLIGATOR BAYOU	8AQ
FRIO 5 EAST	7645	1640.0	28.9	TRINITY BAY FRIO 5 E	89C
FRIO 5	7645	1000.0	33.0	TRINITY BAY	77AL
FRIO 5	7650	1640.0	28.9	TRINITY BAY	35AR
FRIO 5	7650	1640.0	28.9	TRINITY BAY	30AS
FRIO 6	7671	1000.0	34.0	TRINITY BAY	36AR
F-1A SAND	7695	169.0	31.5	UMBRELLA POINT	24AH
F-1B	7700	1200.0	28.0	UMBRELLA POINT	26AG
FRIO 8	7817	900.0	33.2	TRINITY BAY	37AR
FRIO 9	7850	480.0	29.0	TRINITY BAY	31AS
FRIO 9	7850	480.0	29.0	TRINITY BAY FRIO 9	90C
FRIO 10	7872	400.0	29.0	TRINITY BAY	38AR

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS

CHAMBERS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUEYDAN-CATAHOULIA GROUP					
FRIO 3-D	7885	220.0	30.0	ALLIGATOR BAYOU	18AF
FRIO 11-A	7998	500.0	29.0	TRINITY BAY	39AR
ELGIN SAND	8000	682.0	36.7	WINNIE, NORTH	33AG
8050 FRIO	8050	400.0	31.0	ALLIGATOR BAYOU	9AQ
FRIO 12 SAND	8080	2344.0	32.4	TRINITY BAY	A1270
FRIO 12 SAND	8080		29.0	TRINITY BAY	42AI
FRIO 12	8100	2548.0	29.0	TRINITY BAY	91C
FRIO 1	8180	100.0	31.5	MAYES	55C
FRIO F-1	8198	500.0	26.0	FIG RIDGE, NORTH	22AC
SEABREEZE SAND	8200	1000.0	27.9	OYSTER BAYOU	A 571
SEABREEZE SAND	8200	1000.0	27.9	OYSTER BAYOU	A1070
SEABREEZE SAND	8200	1000.0	27.9	OYSTER BAYOU	A1070
SEABREEZE	8200	1500.0	27.9	OYSTER BAYOU	61C
FB (A) ENGLIN SAND	8202	91.0	30.8	WINNIE, NORTH	30AG
F-5 (A) SULLIVAN SD.	8202	790.0	37.4	WINNIE, NORTH	27AH
FRIO 4-B	8209	438.0	31.8	FISHERS REEF	25AR
SEABREEZE	8275	1000.0	27.9	OYSTER BAYOU	A 270
F-5 SAND	8282	2100.0	26.0	UMBRELLA POINT	43AI
FRIO 14-B	8292	60.0	27.0	TRINITY BAY	40AR
UPPER SEABREEZE	8294	1500.0	29.0	OYSTER BAYOU	61AL
FRIO 14-C	8305	60.0	27.0	TRINITY BAY	41AR
FRIO 14C	8305	1100.0	34.0	TRINITY BAY	78AL
FRIO 12	8308	1000.0	35.0	TRINITY BAY	76AL
FRIO 15	8354	705.0	28.0	TRINITY BAY	42AR
F-5 SAND	8408	200.0	29.5	WILLOW SLOUGH, NORTH	44AI
FRIO 3-A - 3-B	8429	1000.0	28.0	FIG RIDGE	21AC
SEABREEZE	8468	3000.0	27.0	FIG RIDGE SEABREEZE	25C
FRIO 8	8480	1500.0	32.0	FISHERS REEF	19AP
FB (A) INTERMEDIATE	8484	800.0	28.8	WINNIE, NORTH	31AG
F-8 SAND FLT BLK B	8500	500.0	34.0	UMBRELLA POINT	31AC
SEA BREEZE	8500	560.0	26.0	SEABREEZE	75C
FRIO F-11 SAND	8639	1000.0	28.0	RED FISH REEF, NORTH	32AI
FRIO 4	8700	371.0	28.0	RED FISH REEF	72C
FRIO 1, FB B-1	8765	150.0	27.0	RED FISH REEF	A 770
FRIO 1 SEG B-3	8768	150.0	22.6	RED FISH REEF	71C
FB (A) SULLIVAN SD.	8786	2500.0	31.5	WINNIE, NORTH	32AG
FRIO 2A SAND	8810	1725.0	29.0	RED FISH REEF	31AI
LOWER SEABREEZE	8863	500.0	27.0	OYSTER BAYOU	62AL
FRIO L3	9005	1500.0	24.4	FISHERS REEF FRIO 1B	28C
FRIO 15	9005	1500.0	29.0	FISHERS REEF FRIO 1B	29C
FRIO 15 SAND	9114	1000.0	27.0	FISHERS REEF, NE	26AR
FB-8 - C-1	9152	1000.0	30.0	WILLOW SLOUGH	32AC
FRIO	9200	339.0	27.0	ANAHUAC EAST	A 269
FRIO 4 SAND UNIT	9308	371.0	28.0	RED FISH REEF	A 869
FRIO F-4 SAND	9374	2100.0	28.0	RED FISH REEF, SW	33AI
F-8 SAND	9762	1000.0	26.0	RED FISH REEF, SW	33AF
FRIO 9 FB A-2	9806	170.0	23.3	RED FISH REEF	A 569
F-12 ZONE	10300	1800.0	28.0	REDFISH REEF	16AH

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CHAMBERS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUEYDAN-CATAHDULA GROUP					
F-14 ZONE	10400	1450.0	28.0	REDFISH REEF	17AH
F-15D ZONE	10810	750.0	26.0	REDFISH REEF	18AH
FB B	11200	400.0	22.0	RED FISH REEF, SW	36AD
FRIO 15 SOUTH	11352	300.0	29.0	RED FISH REEF SOUTH	73C
FRIO 15	11650	300.0	23.0	MAYES SOUTH	56C
ARITHMETIC AVERAGE	8304	913.3	28.9		
GEOMETRIC AVERAGE		669.9			
MEDIAN VALUE		1000.0	28.5		
MODE		1149.8	28.9		
IDEAL SPECIFIC FLOW RATE =	299.8 GPM/FT				
JACKSON GROUP					
JACKSON NO. 3 RES.	8320	1000.0	25.0	OYSTER BAYOU	63AL
ARITHMETIC AVERAGE	8320	1000.0	25.0		
GEOMETRIC AVERAGE		1000.0			
MEDIAN VALUE		1000.0	25.0		
MODE		1000.0	25.0		
IDEAL SPECIFIC FLOW RATE =	256.6 GPM/FT				

T E X A S W A T E R D E V E L O P M E N T B O A R D

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CHEROKEE COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOODBINE GROUP					
WOODBINE	4250	2965.0	26.0	BARKLEY	91AJ
WOODBINE SAND	4350	572.0	25.6	JACKSONVILLE, NORTH	181AJ
WOODBINE	4350	572.0	25.6	JACKSONVILLE, NORTH	75AN
ARITHMETIC AVERAGE	4317	1369.7	25.7		
GEOMETRIC AVERAGE		989.9			
MEDIAN VALUE		572.0	25.6		
MODE		623.2	25.6		
IDEAL SPECIFIC FLOW RATE ■	62.7 GPM/FT				

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O F T H E
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A Q U I P E R R O C K P R O P E R T I E S
C H I L D R E S S C O U N T Y

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
	CISCO GROUP				
CISCO REEF	4600			KIRKLAND	178AE
ARITHMETIC AVERAGE	4600				
GEOMETRIC AVERAGE					
MEDIAN VALUE					
MODE					
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				

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STATE OF TEXAS
AQUIFER ROCK PROPERTIES
CLAY COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CISCO GROUP					
200 FT (CISCO)	200	926.0	27.4	CLAY COUNTY REGULAR	230K
300 FT (CISCO)	250	681.0	26.4	CLAY COUNTY REGULAR	229K
300 FT SAND (CISCO)	329	400.0	24.0	CLAY COUNTY REGULAR	226K
GUNSIGHT SAND	788	27.0	23.2	CLAY COUNTY REGULAR	A1169
840 FT SAND (CISCO)	840	400.0	27.0	CLAY COUNTY REGULAR	242K
THOMAS SANDSTONE	1060	200.0	19.0	CLAY COUNTY REGULAR	233K
1000 FT THOMAS	1090	250.0	26.0	CLAY COUNTY REGULAR	225K
1100 FT THOMAS	1100	223.0	26.0	CLAY CO. REGULAR	217K
1100 FT LOWER SAND	1100	70.0	24.0	CLAY COUNTY REGULAR	224K
1100 FT	1100	250.0	25.0	CLAY COUNTY REGULAR	227K
THOMAS 1130 FT	1130	180.0	22.0	CLAY COUNTY REGULAR	234K
THOMAS SAND	1142	350.0	32.0	CLAY COUNTY REGULAR	235K
THOMAS SAND	1170	100.0	22.0	CLAY CO. REGULAR	220K
THOMAS SAND	1170	100.0	22.0	CLAY COUNTY REGULAR	221K
1800 FT CISCO	1700	25.0	19.0	ROY FULTZ	674K
1700 FT (CISCO)	1750	1134.0	22.9	CLAY COUNTY REGULAR	232K
ARITHMETIC AVERAGE	995	372.0	24.2		
GEOMETRIC AVERAGE		236.7			
MEDIAN VALUE		256.0	24.0		
MODE		207.5	22.3		
IDEAL SPECIFIC FLOW RATE =	2.3 GPM/FT				
CANYON GROUP					
CANYON SAND	1850	50.0	18.0	CLAY COUNTY REGULAR	222K
PALO PINTO	2575	360.0	21.5	JOY	472K
PALO PINTO SAND	2600	150.0	18.0	JOY	471K
PALO PINTO	2600	152.0	17.3	JOY	183AJ
UPPER MÜNSTER SAND	2700	25.0	18.0	KIDD	548K
ARITHMETIC AVERAGE	2465	147.4	18.6		
GEOMETRIC AVERAGE		100.5			
MEDIAN VALUE		150.0	18.0		
MODE		142.8	17.9		
IDEAL SPECIFIC FLOW RATE =	4.9 GPM/FT				
STRAWN GROUP					
2500 FT STRAWN	2500	139.0	18.0	REDMAN	664K

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAWN GROUP					
UPPER STRAWN	3030	381.0	15.4	DOUGS, WEST SHANNON	151AM
THURMAN SAND	3100	100.0	22.0	KIMBELL	550K
M-1 SAND	3200	133.0	17.0	ANTELOPE	16K
M-1 SANDSTONE	3200	133.0	18.0	ANTELOPE	134AK
STRAWN	3350	32.0	18.0	ANTELOPE	138AM
SHARLENE STRAWN	3550	79.0	21.0	KIMBELL-SIMMS	552K
SHARLENE SAND	3597	79.0	20.0	KIMBELL-SIMMS	555K
SHARLENE SAND	3600	79.0	20.9	KIMBELL-SIMMS	553K
BURNS =BEACON	3684	15.0	20.0	BURNS =BEACON	A 171
STRAWN	3700	10.0	18.0	HALSELL 3700 STRAWN	403K
3750 FT. STRAWN	3750	11.0	13.7	JOY	158AM
SHARLENE	3800	79.0	22.0	KIMBELL-SIMMS	551K
3900 FT. STRAWN	3900	42.0	11.0	JOY	159AM
BRYSON STRAWN	3950	58.5	17.1	NEWPORT	643K
STRAWN 3900 FT. SAND	3959	53.0	17.0	JOY STRAWN	A 669
STRAWN	4000	110.0	18.0	JOHNSON SCALING	469K
4000 FT STRAWN	4000	30.0	15.0	JOY	473K
4000 FT MOBLEY SAND	4000	18.0	15.0	ACME	2K
4000 FT. ZONE	4000	20.0	15.0	ACME	135AM
4000 FT. STRAWN	4000	10.0	16.0	JOY	160AM
STRAWN	4000	88.0	17.3	NEWPORT	174AM
UPPER STRAWN	4009	33.6	14.7	RIDINGS	668K
MOBLEY SAND	4010	18.0	15.0	ACME	1K
BRYSON	4064	30.0	15.0	NEWPORT,NW	644K
4300 FT BRYSON	4300	25.0	20.0	MCKINLEY (STRAWN)	583K
STRAWN	4350	9.8	17.5	LAZY B	165AM
STRAWN SAND	4381	63.0	15.0	MCKINLEY (STRAWN)	584K
STRAWN	4400	63.0	15.0	MCKINLEY (STRAWN)	581K
4400 FT STRAWN	4400	63.0	15.1	MCKINLEY (STRAWN)	585K
STRAWN SAND	4400	40.0	16.3	JOY	41069
STRAWN SAND	4400	75.0	15.0	JOY	476K
4400-4500 SAND	4400	40.0	16.3	JOY	478K
4400 FT. STRAWN	4400	40.0	15.0	JOY	161AM
STRAWN	4407	150.0	18.0	MC KINLAY	169AM
4450 STRAWN	4450	20.0	13.0	MCKINLEY (STRAWN)	582K
BRYSON	4450	20.0	15.0	BURNS	195K
STRAWN FIRST (B)	4473	39.0	12.1	JOY, NORTHEAST	184AJ
STRAWN	4480	50.0	16.0	LACY ARNOUR	164AM
STRAWN	4500	15.0	15.0	BURNS=JIDWAY	201K
4500 FT. STRAWN	4500	+	12.8	JOY	162AM
STRAWN	4600	20.0	13.0	LUTZ	572K
STRAWN	4600	15.0	13.0	TALLY	698K
BRYSON	4636	25.0	15.0	LUTZ	573K
VOGTSBERGER SAND	4700	33.6	15.4	HALSELL POOL	A0570
BRYSON	4750	15.0	15.0	CLAY CO. REGULAR	219K
VOGTSBERGER	4800	49.0	15.8	ACME	136AM
STRAWN	4850	22.1	15.0	RINGGOLD	669K
BRYSON SAND	4861	125.0	17.5	NEW YORK CITY, EAST	A 569

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STRAWN GROUP					
BRYSON SAND	4900		16.0	HATFIELD	132AI
CONGLOMERATE	5754		10.8	DILLARD, SE	68AQ
CADDO	5800		15.0	MAYFIELD	134AI
CADDO CONGLOMERATE	5958	100.0	17.0	GOWAN (L. CADDO)	399K
6300, 6500 FT STRAWN	6300	10.0	15.0	RANBALM	662K
ARITHMETIC AVERAGE	4244	57.8	16.1		
GEOMETRIC AVERAGE		37.0			
MEDIAN VALUE		40.0	15.4		
MODE		72.7	14.7		
IDEAL SPECIFIC FLOW RATE =	5.3 GPM/FT				
BEND GROUP					
BEND CONGLOMERATE	5214	10.0	3.5	BLUE GROVE, NORTH	147AC
ARITHMETIC AVERAGE	5814	10.0	3.5		
GEOMETRIC AVERAGE		10.0			
MEDIAN VALUE		10.0	3.5		
MODE		10.0	3.5		
IDEAL SPECIFIC FLOW RATE =	1.2 GPM/FT				
MISSISSIPPIAN SYSTEM UNDIFFERENTIATED					
MISSISSIPPIAN	5753		7.3	LAZY (B)	117AE
MISSISSIPPIAN	5954		8.0	SANZENBACHER	159AG
MISSISSIPPIAN	6038		14.0	MAYFIELD	135AI
ARITHMETIC AVERAGE	5915		9.8		
GEOMETRIC AVERAGE					
MEDIAN VALUE			8.0		
MODE			7.6		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				
ELLENBURGER GROUP					
ELLENBURGER C	6439		15.0	HEARD, SOUTH	132AR
ELLENBURGER	7141		11.0	PLAXCO	152AS
ARITHMETIC AVERAGE	6790		13.0		
GEOMETRIC AVERAGE					
MEDIAN VALUE			15.0		
MODE			11.2		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD

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COCHRAN COUNTY

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GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES	4000	3.0	8.5	LEVELLAND	A0970
SAN ANDRES	4144	3.0	8.5	LEVELLAND	A 671
SAN ANDRES	4750	1.8	8.0	LEVELLAND	A1070
SAN ANDRES	4750	4.0	15.0	LEVELLAND	66J
SAN ANDRES	4765	1.8	8.0	LEVELLAND	A 270
SAN ANDRES	4775	1.2	9.0	LEVELLAND	63J
SAN ANDRES	4850		8.0	LEVELLAND	56J
SAN ANDRES	4900	3.0	11.4	LEVELLAND	A0271
ZONE 3 (SAN ANDRES)	4900	1.8	10.2	LEVELAND	180AN
ZONE 4 (SAN ANDRES)	4900	2.7	11.4	LEVELAND	181AN
ZONE 5 (SAN ANDRES)	4900	68.0	8.2	LEVELAND	182AN
SAN ANDRES	4900	1.8	8.0	LEVELLAND	60J
SAN ANDRES	4900		.1	LEVELLAND	65J
SAN ANDRES	4900	3.0	11.4	LEVELLAND	74J
SAN ANDRES	4900	4.2	12.0	SLAUGHTER	113J
SAN ANDRES	4900	5.5	9.6	SLAUGHTER	115J
SAN ANDRES	4920	11.1	10.2	SLAUGHTER	134J
SAN ANDRES	4925	2.5	11.0	LEVELLAND	71J
SAN ANDRES	4927	3.5	11.4	LEVELLAND	59J
SAN ANDRES	4939	11.1	10.2	SLAUGHTER	135J
SAN ANDRES	4940	7.0	2.0	SLAUGHTER	A0170
SAN ANDRES	4940	11.1	10.2	SLAUGHTER	145J
SAN ANDRES	4940	11.1	10.2	SLAUGHTER	146J
SAN ANDRES	4940	11.1	10.2	SLAUGHTER	148J
SAN ANDRES	4950	10.0	12.2	SLAUGHTER	A0470
SAN ANDRES	4950	10.0	12.0	SLAUGHTER	A1170
SAN ANDRES	4950	11.1	12.0	SLAUGHTER	A1270
SAN ANDRES	4950	7.0	9.1	BUCKSHOT (4950 SAND)	13J
SAN ANDRES	4950	2.5	6.0	LEVELLAND	61J
SAN ANDRES	4950	1.8	10.5	SLAUGHTER	131J
SAN ANDRES	4950	5.0	12.2	SLAUGHTER	161J
SAN ANDRES	4978	7.0	10.2	SLAUGHTER	A 469
SAN ANDRES	4990	4.0	10.8	SLAUGHTER	A0970
SAN ANDRES	5000	10.8	12.0	SLAUGHTER	141AG
SAN ANDRES	5000	10.8	12.2	SLAUGHTER	208AN
SAN ANDRES	5000	10.0	12.2	SLAUGHTER	107J
SAN ANDRES	5000	9.1	12.0	SLAUGHTER	120J
SAN ANDRES	5000	1.5	8.5	SLAUGHTER	125J
SAN ANDRES	5000	1.8	11.2	SLAUGHTER	127J
SAN ANDRES	5000	1.5	10.0	SLAUGHTER	128J
SAN ANDRES (4950)	5012	9.3	7.9	BUCKSHOT (4950 SAND)	14J

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
QUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES	5025	11.1	10.2	SLAUGHTER	A1070
SAN ANDRES	5025	11.1	10.2	SLAUGHTER	139J
SAN ANDRES	5025	11.1	10.2	SLAUGHTER	140J
SAN ANDRES	5035	9.0	12.0	SLAUGHTER	A0870
SAN ANDRES	5035	9.1	12.9	SLAUGHTER	154J
SAN ANDRES	5040	11.4	11.8	LONDON	54J
SAN ANDRES	5050	11.0	10.0	SLAUGHTER	A 369
SAN ANDRES 5050	5050	5.0	12.0	LEVELLAND	58J
SAN ANDRES	5050	8.5	13.0	SLAUGHTER	155J
SAN ANDRES	5050	20.0	12.0	LONDON	97AA
SAN ANDRES	5100	20.0	10.0	LONDON	179AN
SAN ANDRES	5100	12.0	12.0	LONDON	111AC
SAN ANDRES	5160	8.0	12.0	SLAUGHTER	153J
ARITHMETIC AVERAGE	4926	8.3	10.2		
GEOMETRIC AVERAGE		5.0			
MEDIAN VALUE		8.0	10.2		
MODE		11.3	11.3		
IDEAL SPECIFIC FLOW RATE =	0.8 GPM/FT				
DEVONIAN SYSTEM UNDIFFERENTIATED					
DEVONIAN	10750		6.0	LONDON	120AK
DEVONIAN	10915		6.0	LONDON	98AA
DEVONIAN	11818	500.0	7.0	WALKER	65AP
ARITHMETIC AVERAGE	11161	500.0	6.3		
GEOMETRIC AVERAGE		500.0			
MEDIAN VALUE		500.0	6.0		
MODE		500.0	6.1		
IDEAL SPECIFIC FLOW RATE =	103.0 GPM/FT				

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AQUIFER ROCK PROPERTIES
COKE COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
5150 FT. PENN-MEN.	5107	2.9	13.1	I.A.B. NORTHEAST	A 370
MENIELLE PENN.	5250	31.0	7.5	I. A. B.	69AI
PENN. SAND	5553	20.0	15.0	PANTHER GAP	40AQ
ARITHMETIC AVERAGE	5303	18.0	11.9		
GEOMETRIC AVERAGE		12.1			
MEDIAN VALUE		20.0	13.1		
MODE		3.3	7.9		
IDEAL SPECIFIC FLOW RATE =	0.3 GPM/FT				
CISCO GROUP					
CISCO	3700	215.0	18.2	WENDKIRK	100AM
CISCO	3982	500.0	16.4	MC CUTCHEN	140AN
ARITHMETIC AVERAGE	3841	357.5	17.3		
GEOMETRIC AVERAGE		327.9			
MEDIAN VALUE		500.0	18.2		
MODE		224.5	16.5		
IDEAL SPECIFIC FLOW RATE =	13.6 GPM/FT				
CANYON GROUP					
CANYON SAND	2334	129.0	19.1	WALNUT BEND, NORTH	174AE
CANYON	4100	35.0	3.2	RAWLINGS	97AH
CANYON SAND	4912	4.7	13.9	MUNN	206AL
MENIELLE SAND	5150	3.0	13.0	I.A.B.	26H
MENIELLE SD (CANYON)	5150	15.0	13.0	N. E. I.A.B.	95AA
PALO PINTO LIME	4400		3.7	BRONTE	6H
CISCO CANYON REEF	5500	31.0	5.6	I.A.B.	25H
ARITHMETIC AVERAGE	4507	36.3	10.2		
GEOMETRIC AVERAGE		17.6			
MEDIAN VALUE		31.0	13.0		
MODE		35.2	13.5		
IDEAL SPECIFIC FLOW RATE =	2.7 GPM/FT				

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COKE COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCTES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAWN GROUP					
STRAWN SAND	3925	2.0	12.0	JAMESON (STRAWN)	33H
CANYON PALO PINTO LM	4350	21.0	3.7	BRONTE	129AN
STRAWN (GOEN) LIME	4500	154.0	10.0	BRONTE	130AN
CAPPS LIME	4600	32.0	4.7	BRONTE	68AI
GOEN LIME	4800	154.0	11.0	BRONTE (4800 SAND)	7H
4800 FT SAND	4838	154.0	11.0	BRONTE	51AO
GOEN LIME	4974	150.0	11.0	GOWEN LIME	56AO
GRAY SAND	5130	78.0	11.8	FORT CHADBOURNE, W.	82AF
GARDNER	5315	6.2	5.5	FORT CHADBOURNE	52AO
GRAY SAND	5380	80.0	10.0	FORT CHADBOURNE	A 571
5700 FT SAND	5700	4.0	11.0	BLOODWORTH	61AS
STRAWN SAND	5800	4.0	11.2	JAMESON	204AL
STRAWN	5800	4.0	11.8	JAMESON	138AN
STRAWN	5880	60.0	12.0	JAMESON	A1170
STRAWN	6000	2.0	12.0	JAMESON (STRAWN)	30H
STRAWN	6000	1.0	12.0	JAMESON (STRAWN)	32H
STRAWN SAND	6200	4.0	11.2	JAMESON (STRAWN)	34H
STAGNER REEF	6385	2.0	8.3	JAMESON	A 770
STRAWN REEF	5700	9.0	6.6	MILLICAN	57H
MILLICAN REEF	5938	8.8	6.6	MILLICAN	205AL
JAMESON REEF	6350	2.0	8.3	JAMESON	203AL
PENN REEF	6600	2.0	8.3	JAMESON	28H
ARITHMETIC AVERAGE	5462	42.5	9.5		
GEOMETRIC AVERAGE		12.0			
MEDIAN VALUE		8.8	11.0		
MODE		2.2	11.6		
IDEAL SPECIFIC FLOW RATE =	.2 GPM/FT				
CAMBRIAN SYSTEM UNDIFFERENTIATED					
CAMBRIAN	5300	202.0	11.0	BRONTE	85AK
ARITHMETIC AVERAGE	5300	202.0	11.0		
GEOMETRIC AVERAGE		202.0			
MEDIAN VALUE		202.0	11.0		
MODE		202.0	11.0		
IDEAL SPECIFIC FLOW RATE =	19.1 GPM/FT				

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WOLFCAMP SERIES UNDIFFERENTIATED					
AMERADA SAND	360	800.0	26.0	COLEMAN CO. REGULAR	926
ARITHMETIC AVERAGE	36.0	800.0	26.0		
GEOMETRIC AVERAGE		800.0			
MEDIAN VALUE		800.0	26.0		
MODE		800.0	26.0		
IDEAL SPECIFIC FLOW RATE =	3.0 GPM/FT				
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
OVERALL SAND	1642	152.0	13.4	COLEMAN CO. REGULAR	A 369
AMERADA SAND	373	200.0	24.0	COLEMAN CO. REG.	A 669
ARITHMETIC AVERAGE	1007	176.0	18.7		
GEOMETRIC AVERAGE		174.4			
MEDIAN VALUE		200.0	24.0		
MODE		154.1	13.9		
IDEAL SPECIFIC FLOW RATE =	1.8 GPM/FT				
CANYON GROUP					
BURKETT (CANYON SAND)	390	1829.0	24.6	COLEMAN CO. REGULAR	786
ARITHMETIC AVERAGE	390	1829.0	24.6		
GEOMETRIC AVERAGE		1829.0			
MEDIAN VALUE		1829.0	24.6		
MODE		1829.0	24.6		
IDEAL SPECIFIC FLOW RATE =	7.4 GPM/FT				
STRAWN GROUP					
JENNINGS	1094	6.0	18.0	COUNTY REGULAR	A 569
FRY	1140	40.0	17.0	COLEMAN CO. REGULAR	A 469
FRY SAND	1230	282.0	15.0	COLEMAN CO. REGULAR	826
JENNINGS SAND	1250	40.0	16.0	GLEN COVE (JENNINGS)	1356

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COLEMAN COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAWN GROUP					
CAPPS LINE	1950	30.0	11.8	HAGLER	187AL
BRENEKE	1940	10.0	16.4	COLEMAN CO. REGULAR	80G
BRENEKE	2025	31.0	20.0	COLEMAN CO. REGULAR	88G
MORRIS SAND	2200	400.0	18.0	COLEMAN COUNTY REG.	A0271
GARDNER	2230	20.0	16.1	DAVIS=WATSON	106G
JENNINGS	2500	400.0	18.0	SHAVE	93AG
MORRIS SAND	2530	146.0	22.2	COLEMAN CO. REGULAR	85G
MORRIS SAND	2750	40.0	15.3	COLEMAN CO. REGULAR	90G
GARDNER	3000	1500.0	18.0	WARNER	390G
MORRIS SAND	3000	25.0	13.7	COKER	77G
LOWER GARDNER	3040	53.0	18.0	WARNER	389G
MORRIS SAND	3100	350.0	18.0	COLEMAN COUNTY REG.	A0570
JENNINGS SAND	3200	142.0	14.8	GLEN COVE (JENNINGS)	133G
JENNINGS SAND	3324	200.0	16.0	GLEN COVE (JENNINGS)	134G
JENNINGS SAND	3400	63.0	13.0	NAYLOR	113AN
JENNINGS	3404	158.0	15.1	GLEN COVE	107AN
GRAY SAND	3440	60.0	18.0	COKER	A1070
GARDNER SAND	3461	7.0	12.5	DUNHAM	104AN
GARDNER SAND STRAWN	3500	40.0	17.0	NOVICE	210G
GARDNER SAND	3650	40.0	15.9	NOVICE SW	211G
GARDNER SAND	3650	102.0	13.7	COLEMAN CO. REGULAR	81G
JENNINGS	3670	358.0	16.3	WHITLEY	A0271
JENNINGS	3670	358.0	16.3	WHITLEY	396G
JENNINGS SAND	3680	538.0	14.7	WHITLEY	128AN
UPPER GARDNER	3882	75.0	11.9	ROBERTSON=HAMON	118AN
GARDNER SAND	3920	90.0	11.0	COLEMAN CO. REGULAR	87G
GARDNER	4049	55.0	15.0	GOLDSBORO	A 269
CAPPS LINE	6122	57.0	13.7	HAGLER (CAPPS LINE)	141G
ARITHMETIC AVERAGE	2970	178.6	15.8		
GEOMETRIC AVERAGE		80.4			
MEDIAN VALUE		63.0	16.0		
MODE		43.0	16.0		
IDEAL SPECIFIC FLOW RATE =	2.1 GPM/FT				

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COLORADO COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WILCOX GROUP					
WILCOX B RESERVOIR	8170	102.0	20.8	SHERIDAN	39AD
A-5 RESERVOIR	8190	47.0	20.7	SHERIDAN	38AD
WILCOX C RESERVOIR	8260	37.0	16.8	SHERIDAN	40AD
7-C RESERVOIR	8350	93.0	20.7	COLUMBUS	13AJ
WILCOX 7-C	8392	92.0	20.0	COLUMBUS	16C
WILCOX RESERVOIR	8450	40.0	18.4	SHERIDAN	41AD
WILCOX RESERVOIR	8500	15.0	16.9	SHERIDAN	42AD
WILCOX H	9050	6.0	16.0	SHERIDAN (WILCOX H)	77C
WILCOX [H] SAND	9130	20.0	18.0	SHERIDAN	26AK
WILCOX H	9150	1.0	18.0	SHERIDAN (WILCOX H)	76C
ARITHMETIC AVERAGE	8564	45.3	18.6		
GEOMETRIC AVERAGE		25.3			
MEDIAN VALUE		40.0	18.4		
MODE		83.1	18.2		
IDEAL SPECIFIC FLOW RATE =	26.7 GPM/FT				

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COMANCHE COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
BEND GROUP					
MARBLE FALLS	2788	20.0	11.0	KIRK	A1270
ARITHMETIC AVERAGE	2788	20.0	11.0		
GEOMETRIC AVERAGE		20.0			
MEDIAN VALUE		20.0	11.0		
MODE		20.0	11.0		
IDEAL SPECIFIC FLOW RATE =	1.0 GPM/FT				
MISSISSIPPIAN SYSTEM UNDIFFERENTIATED					
MISSISSIPPIAN LIME	2500	.6	5.0	WEST HIBB	A1169
MISSISSIPPIAN	2507	.6	5.0	HIBB, WEST	A 270
ARITHMETIC AVERAGE	2503	.6	5.0		
GEOMETRIC AVERAGE		.6			
MEDIAN VALUE		.6	5.0		
MODE		.6	5.0		
IDEAL SPECIFIC FLOW RATE =	.0 GPM/FT				

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CONCHO COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CANYON GROUP					
CANYON SAND	4450	.1	10.7	SPECK NORTH	10AF
ARITHMETIC AVERAGE	4450	.1	10.7		
GEOMETRIC AVERAGE		.1			
MEDIAN VALUE		.1	10.7		
MODE		.1	10.7		
IDEAL SPECIFIC FLOW RATE =	.0 GPM/FT				
STRAWN GROUP					
STRAWN	3314	8.0	8.5	PAIN ROCK	88AF
STRAWN	3400	32.0	10.0	*A* PAINTROCK STRAWN	A0570
STRAWN LIME	5875	119.0	9.4	SPECK NORTH	91AF
ARITHMETIC AVERAGE	4196	53.0	9.3		
GEOMETRIC AVERAGE		31.2			
MEDIAN VALUE		32.0	9.4		
MODE		9.2	8.6		
IDEAL SPECIFIC FLOW RATE =	.7 GPM/FT				
BEND GROUP					
BEND CONGLOMERATE	3721		8.5	PAIN ROCK	89AF
ARITHMETIC AVERAGE	3721		8.5		
GEOMETRIC AVERAGE					
MEDIAN VALUE			8.5		
MODE			8.5		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
WALTERSCIED SAND	730	500.0	23.0	COOKE COUNTY REGULAR	A0870
PENNSYLVANIAN	741	500.0	23.0	COOKE CO. REGULAR	A0171
PENNSYLVANIAN	1170	31.6	17.0	COOKE CO. REGULAR	A0171
PENNSYLVANIAN	2694	83.0	22.8	COOKE COUNTY	A 671
5150 FT. PENNSYL.	5150	2.4	13.5	L. A. 8., NORTHEAST	78AE
BEASLEY	6520	11.0	16.2	EVANS BEND	182AJ
ARITHMETIC AVERAGE	2834	188.0	19.2		
GEOMETRIC AVERAGE		50.9			
MEDIAN VALUE		83.0	22.8		
MODE		396.6	22.5		
IDEAL SPECIFIC FLOW RATE =	15.1 GPM/FT				
CISCO GROUP					
CISCO 800	810	450.0	30.0	COOKE CO. REGULAR	A 469
800 FT. SAND	908	75.0	20.0	COOKE CO. REGULAR	A1269
1090 CISCO	1090	2000.0	20.0	COOKE CO. REGULAR	315K
ARITHMETIC AVERAGE	936	841.7	23.3		
GEOMETRIC AVERAGE		407.2			
MEDIAN VALUE		450.0	20.0		
MODE		89.6	20.5		
IDEAL SPECIFIC FLOW RATE =	.9 GPM/FT				
CANYON GROUP					
WALTERSCHIED SAND	700	500.0	23.2	COOKE CO. REGULAR	254K
CANYON (A)	1200	177.0	23.0	COOKE CO. REGULAR	337K
1200 DAVENPORT	1210	134.0	19.9	COOKE CO. REGULAR	306K
HOOSIER	1230	459.0	25.4	COOKE CO. REGULAR	270K
CANYON	1250	25.8	14.4	COOKE CO. REGULAR	343K
HOOSIER SAND	1300	450.0	25.0	COOKE CO. REGULAR	278K
DAVENPORT	1300	193.0	20.0	COOKE CO. REGULAR	268K
DAVENPORT SAND	1450	370.0	20.0	COOKE CO. REGULAR	267K
DAVENPORT SAND	1450	380.0	20.0	COOKE CO. REGULAR	269K
CANYON SAND	2030	250.0	20.0	COOKE COUNTY REGULAR	A1069

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CANYON GROUP					
CANYON 2000 FT SAND	2030	250.0	20.0	COOKE CO. REGULAR	304K
ARITHMETIC AVERAGE	1377	289.9	21.0		
GEOMETRIC AVERAGE		232.5			
MEDIAN VALUE		250.0	20.0		
MODE		435.9	20.5		
IDEAL SPECIFIC FLOW RATE =	6.9 GPM/FT				
STRAWN GROUP					
GATEWOOD SAND	600	135.7	23.6	GATEWOOD	A0170
STRAWN SAND	700	132.0	23.1	COOKE CO. REGULAR	333K
STRAWN SAND	700	146.0	16.0	COOKE CO. REGULAR	335K
STRAWN SAND	700	146.0	18.0	COOKE CO. REGULAR	336K
700-800 FT. STRAWN	710	73.4	16.4	COOKE CO. REGULAR	A 869
725 FT STRAWN	725	145.0	20.3	COOKE CO. REGULAR	301K
STRAWN	753	34.8	19.8	COUNTY REGULAR	A 769
STRAWN	800	100.0	22.0	COOKE COUNTY REGULAR	A0870
STRAWN SAND	800	300.0	20.0	COOKE CO. REGULAR	329K
STRAWN SAND	800	146.0	18.0	COOKE CO. REGULAR	334K
800 FT SAND	800	86.0	18.0	COOKE CO. REGULAR	338K
STRAWN	800	75.0	20.0	COOKE CO. REGULAR	252K
STRAWN	800	34.8	19.8	COOKE CO. REGULAR	253K
CISCO STRAWN	800	450.0	30.0	COOKE CO. REGULAR	262K
MJENSTER SAND	800	200.0	23.0	COOKE CO. REGULAR	292K
STRAWN SAND	805	146.0	18.0	COOKE CO. REGULAR	A 569
MJENSTER = STRAWN	810	200.0	23.0	COOKE CO. REGULAR	289K
MJENSTER	810	200.0	23.0	COOKE CO. REGULAR	291K
MJENSTER = STRAWN	815	200.0	23.0	COOKE CO. REGULAR	290K
STRAWN	858	75.0	20.0	COUNTY REGULAR	A 769
STRAWN	858	75.0	20.0	COOKE CO. REGULAR	A1069
STRAWN SAND	940	175.0	22.0	COOKE CO. REGULAR	331K
STRAWN SAND	1010	266.0	23.5	COOKE CO. REGULAR	328K
STRAWN SAND	1020	.1	18.0	COOKE COUNTY REGULAR	A0570
STRAWN SAND	1050	80.0	20.0	COOKE CO. REGULAR	332K
STRAWN (C)	1050	162.0	20.4	COOKE CO. REGULAR	255K
1100 FT STRAWN SAND	1100	86.0	18.0	COOKE CO. REGULAR	339K
1100 FT STRAWN SAND	1100	86.0	18.0	COOKE CO. REGULAR	341K
1100 FT STRAWN	1100	200.0	22.6	COOKE CO. REGULAR	311K
1150 FT STRAWN SAND	1150	400.0	20.0	COOKE CO. REGULAR	330K
STRAWN	1150	31.6	17.0	COOKE CO. REGULAR	251K
STRAWN SAND	1165	31.6	17.0	COOKE COUNTY REGULAR	A0870
STRAWN SAND	1165	31.6	17.0	COOKE COUNTY REGULAR	A0970
STRAWN SAND	1200	90.0	21.1	COOKE CO. REGULAR	266K
STRAWN 1300	1265	100.0	20.0	COOKE CO. REGULAR	A 469
1265 FT STRAWN	1265	650.0	25.0	VOTH	718K

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	STRAWN GROUP				
STRAWN 1300 FT	1300	150.0	17.0	VOTH	717K
BRUHLMEYER SAND	1355	168.0	23.0	COOKE CO. REGULAR	A 669
1300 FT STRAWN	1380	100.0	20.0	COOKE CO. REGULAR	320K
1450 FT. STRAWN	1456	20.0	14.0	REGULAR	A 869
STRAWN 1450 FT	1470	45.0	15.0	COOKE CO. REGULAR	309K
GATEWOOD SAND	1490	150.0	20.2	COOKE COUNTY REGULAR	A1270
GATEWOOD SAND	1535	268.0	21.0	COOKE CO. REGULAR	277K
STRAWN	1590	200.0	22.0	GATEWOOD	A 769
GATEWOOD	1600	147.0	23.6	GATEWOOD	386K
STRAWN 1600 FT	1600	150.0	17.0	VOTH	716K
1600 FT GATEWOOD	1600	138.0	20.3	COOKE CO. REGULAR	312K
1700 FT SAND	1700	500.0	25.0	COOKE CO. REGULAR	342K
STRAWN	1720	299.0	23.0	DANGLE	353K
MODESSETT SAND	1907	305.0	24.5	GRANT=MODESSETT	A 571
STRAWN SAND 1915 FT	1915	46.0	15.3	COOKE CO. REGULAR	350K
BRUHLMEYER	2000	600.0	25.0	COOKE CO. REGULAR	256K
BRUHLMEYER STRAWN	2050	600.0	25.0	COOKE CO. REGULAR	310K
2070 STRAWN	2070		22.0	TIMBER CREEK	156AS
BRUHLMEYER 2100 FT	2100	80.0	25.0	WILSON	1023K
PENN STRAWN (UPPER)	2116		24.7	COOKE CO. REGULAR	260K
BRUHLMEYER	2200	40.0	22.0	WILSON	1021K
2200 FT. BRUHLMEYER	2215	200.0	27.0	COOKE COUNTY REGULAR	A0570
3040 FT. U. BRUHLMEYER	2298		21.0	TIMBER CREEK	170AC
UPPER BRUHLMEYER	2298		22.0	TIMBER CREEK	179AD
BRUHLMEYER	2300	100.0	20.0	COOKE CO. REGULAR	258K
BRUHLMEYER	2300	150.0	22.4	COOKE CO. REGULAR	313K
2400 FT STRAWN	2387	50.0	19.5	COUNTY REGULAR	A 469
STRAWN 2400 FT	2400	75.0	21.0	COOKE CO. REGULAR	307K
BRUHLMEYER	2450	393.0	22.0	COOKE CO. REGULAR	257K
BRUHLMEYER SAND UNIT	2458	393.0	22.4	COOKE CO. REGULAR	A1069
BRUHLMEYER SAND	2458	393.0	16.7	COOKE CO. REGULAR	A1269
2500 FT STRAWN	2500	150.0	18.0	SHADA	693K
BRUHLMEYER	2600	200.0	25.0	COOKE CO. REGULAR	273K
STRAWN	2680	217.0	23.6	CUNCHO	129AI
STRAWN SAND	2689	83.0	22.8	COOKE COUNTY REGULAR	A0371
2700 FT. SAND	2700	50.0	19.0	WILSON	139AI
BRUHLMEYER	2700	40.0	22.0	WILSON	1022K
THURMAN 2740 STRAWN	2748	45.0	20.0	COOKE CO. REGULAR	318K
STRAWN SAND	2910	150.0	25.0	COOKE COUNTY REGULAR	A0570
DOVE	2960	75.0	20.7	DOVE	361K
COX	3004	1600.0	22.9	WALNUT BEND	185AH
3040 FT. ZONE	3040	300.0	22.0	TIMBER CREEK	176AD
STRAWN	3070	100.0	20.0	COOKE CO. REGULAR	295K
3100 FT STRAWN	3082	40.0	18.0	COOKE CO. REGULAR	319K
STRAWN	3150	350.0	22.0	WILSON	1020K
3000-4000 (STRAWN)	3153	450.0	22.0	WILSON	A0171
3200 FT. U. BRUHLMEYER	3200		22.0	TIMBER CREEK	171AC
3200 FT. ZONE	3200	310.0	21.0	TIMBER CREEK	177AD

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COOKE COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAWN GROUP					
STRAWN	3250	150.0	21.0	COOKE CO. REGULAR	272K
STRAWN	3300	150.0	18.0	WILSON	1019K
BRUHLMEYER SAND	3430	168.0	19.6	WALNUT BEND	A0371
3500 FT. U. BRUHLMYER	3500		22.0	TIMBER CREEK	172AC
3500 FT. ZONE	3500	340.0	22.0	TIMBER CREEK	178AD
STRAWN	3600	250.0	20.0	DOVE, SOUTH	362K
STRAWN	3604	302.0	19.9	DOVE, SOUTH	A 670
HUDSPETH	3900	138.0	20.3	WALNUT BEND	A0271
STRAWN	3900	150.0	23.0	WILSON	138AI
HUDSPETH	3900	138.0	21.0	WALNUT BEND	729K
Upper STRAWN	4000	230.0	14.0	DOGWOODS WEST SHANNON	360K
4100 FT STRAWN	4073	49.0	20.0	PLM	645K
HUDSPETH	4200	110.0	19.0	WALNUT BEND	186AM
HANEY-DAVIS	4300	100.0	20.0	WOODBINE	1029K
STRAWN	4300	75.0	22.0	COOKE CO. REGULAR	308K
WALNUT BEND	4650	176.0	19.2	WALNUT BEND	A0170
WALNUT BEND	4650	176.0	19.2	WALNUT BEND	730K
WALNUT BEND	4656	176.0	19.2	WALNUT BEND	A 869
WALNUT BEND	4805	176.0	19.2	WALNUT BEND	A 671
UNIT NO. 2 (STRWN)	4805	176.0	19.2	WALNUT BEND	A 471
ATKINS	5150	67.0	16.5	WALNUT BEND	728K
ATKINS	5249	108.0	19.3	WALNUT BEND	184AM
STRAWN GRAY SAND	5400	75.0	11.4	FORT CHADBOURNE, W.	135AN
WINGER	5488	309.0	17.0	WALNUT BEND	731K
WALNUT BEND	5498	309.0	17.0	WALNUT BEND WINGER	A0171
WALNUT BEND UNIT 1	5499	309.0	17.0	WALNUT BEND WINGER	A 670
WINGER	5500	377.0	17.0	WALNUT BEND	188AM
WINGER	5500	309.0	17.0	WALNUT BEND	149AF
STRAWN	6540	70.0	18.4	SIVELLS BEND	A0570
STRAWN	6540	70.0	18.4	SIVELLS BEND	A1169
ARITHMETIC AVERAGE	2445	190.2	20.4		
GEOMETRIC AVERAGE		131.5			
MEDIAN VALUE		150.0	20.0		
MODE		159.3	19.8		
IDEAL SPECIFIC FLOW RATE =	5.0 GPM/FT				
SIMPSON GROUP					
OIL CREEK	5535	236.0	17.0	WALNUT BEND	187AM
ARITHMETIC AVERAGE	5535	236.0	17.0		
GEOMETRIC AVERAGE		236.0			
MEDIAN VALUE		236.0	17.0		
MODE		236.0	17.0		
IDEAL SPECIFIC FLOW RATE =	24.7 GPM/FT				

T E X A S W A T E R D E V E L O P M E N T B O A R D

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SALINE WATER RESOURCES SURVEY

OF THE

STATE OF TEXAS

AQUIFER ROCK PROPERTIES

CRANE COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
FREDERICKSBURG (EDWARDS UNDIVIDED) GROUP					
MC KNIGHT	3350	.7	7.0	SAND HILLS	A 270
MC KNIGHT	3350	70.0	7.0	SAND HILLS	A0271
MC KNIGHT	3350	.7	7.0	SAND HILLS	A0271
MC KNIGHT	3350	.7	7.0	SAND HILLS	A0470
MC KNIGHT	3350	.7	7.0	SAND HILLS	A 471
MC KNIGHT	3350	.7	7.0	SAND HILLS	A0570
MC KNIGHT	3350	.7	7.0	SAND HILLS	A 571
MC KNIGHT	3350	.7	7.0	SAND HILLS	A 669
MC KNIGHT	3350	.7	7.0	SAND HILLS	A0870
ARITHMETIC AVERAGE	3350	8.4	7.0		
GEOMETRIC AVERAGE		1.2			
MEDIAN VALUE		.7	7.0		
MODE		.9	7.0		
IDEAL SPECIFIC FLOW RATE =	.0 GPM/FT				
WHITEHORSE GROUP					
GRAYBURG	3050	20.0	13.0	MC ELROY	A 670
QUEEN SAND	2140	1.0	14.0	ATAPCO	114AG
QUEEN	4132	70.0	17.5	CONCHO BLUFF	7AA
QUEEN	4175	41.0	16.3	CANCHO BLUFF	140AJ
QUEEN SAND	4425	54.9	17.1	CONCHO BLUFF NORTH	A0170
GRAYBURG	2302	5.0	8.0	CRANE-COWDEN	A1169
GRAYBURG	2332	5.0	8.0	CRANE -COWDEN	A 270
GRAYBURG	2787	18.0	16.0	MCELROY	356I
GRAYBURG DOLOMITE	2900	50.0	19.0	MC ELROY	224AL
GRAYBURG DOLOMITE	2900	50.0	19.0	MCELROY	183AN
GRAYBURG	2920	5.0	11.0	MC ELROY	A 671
GRAYBURG	2958	7.0	8.0	MC ELROY	A 769
GRAYBURG-DOLOMITE	3000	20.0	13.0	MCELROY	A1069
GRAYBURG DOLOMITE	3050	20.0	13.0	MC ELROY	A 270
GRAYBURG -DOLOMITE	3050	20.0	13.0	MC ELROY	A 569
MC ELROY	3050	20.0	13.0	MC ELROY	A 671
GRAYBURG	3194	6.3	5.6	EDWARDS	A 469
BLOCK 31 (GRAYBURG)	3204	100.0	16.0	BLOCK 31 (GRAYBURG)	A 671
GRAYBURG	3270	.6	9.7	DUNE	A0271
GRAYBURG	3270	1.0	9.7	DUNE	74I
GRAYBURG	3450	2.0	6.9	WADDELL	501I

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WHITEHORSE GROUP					
GRAYBURG DOLOMITE	6620	20.0	13.0	MC ELROY	A 270
GRAYBURG	8812	96.0	17.8	BLOCK 31	76AI
GRAYBURG-SAN ANDRES	2900	10.0	15.0	MC ELROY	A0271
GRAYBURG -SAN ANDRES	2900	10.0	15.0	MC ELROY	A 370
GRAYBURG -SAN ANDRES	2900	10.0	15.0	MC ELROY	A 469
GRAYBURG -SAN ANDRES	3075	1.5	9.4	MC ELROY	A 270
GRAYBURG-SAN ANDRES	3200	.6	9.7	DUNE	A0970
GRAYBURG-SAN ANDRES	3270	.6	9.7	DUNE	A0371
GRAYBURG-SAN ANDRES	3270	.6	9.7	DUNE	A0570
GRAYBURG-SAN ANDRES	3270	.6	9.7	DUNE	A0870
GRAYBURG-SAN ANDRES	3300	6.0	5.6	EDWARDS	A1070
GRAYBURG-SAN ANDRES	3300	6.0	5.6	EDWARDS	78I
GRAYBURG	3300	6.0	5.6	EDWARDS, WADDELL	80I
GRAYBURG -SAN ANDRES	3400	10.0	15.0	MC ELROY	A 769
GRAYBURG DOLOMITE	3400	110.0	6.0	EDWARDS	79I
GRAYBURG -SAN ANDRES	3420	.6	9.7	DUNE	A 270
GRAYBURG-SAN ANDRES	3420	.6	34.8	DUNE	A 369
GRAYBURG -SAN ANDRES	3420	.6	9.7	DUNE	A 370
GRAYBURG -SAN ANDRES	3420	.6	9.7	DUNE	A 569
GRAYBURG -SAN ANDRES	3420	.6	9.7	DUNE	A 869
GRAYBURG-SAN ANDRES	3450	2.1	6.9	WADDELL	A0470
GRAYBURG-SAN ANDRES	3450	39.2	11.4	WADDELL	A0970
GRAYBURY-SAN ANDRES	3450	39.2	11.4	WADDELL	A1070
GRAYBURG-SAN ANDRES	3450	39.2	11.4	WADDELL	A1070
GRAYBURG-SAN ANDRES	3450	39.2	11.4	WADDELL	A1070
GRAYBURG-SAN ANDRES	3450	39.2	11.4	WADDELL	A1170
GRAYBURG -SAN ANDRES	3510	2.1	6.9	WADDELL	A 270
ARITHMETIC AVERAGE	3412	21.0	11.9		
GEOMETRIC AVERAGE		7.1			
MEDIAN VALUE		10.0	11.4		
MODE		.8	10.0		
IDEAL SPECIFIC FLOW RATE =	.0 GPM/FT				

GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED

SAN ANDRES DOLOMITE	2055	9.4	15.6	BAYVIEW	98AF
SAN ANDRES	2100	3.0	15.0	BAYVIEW EAST	A 269
SAN ANDRES	2600	5.0	11.0	MC ELROY	357I
SAN ANDRES	2925	2.0	9.0	LEA (SAN ANDRES)	337I
SAN ANDRES	2950	1.6	9.0	LEA (SAN ANDRES)	A 670
SAN ANDRES	3250	1.4	12.1	DUNE, SOUTHEAST	218AL
DUNE	3264	13.0	10.6	DUNE	A 770
SAN ANDRES	3270	1.0	9.7	DUNE	A 269
SAN ANDRES	3270	11.3	12.4	DUNE	143AJ
DUNE	3350	.6	12.4	DUNE	A 171

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GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
DUNE	3350	.6	12.4	DUNE	A 671
SAN ANDRES	3350	11.3	12.4	DUNE FIELD	A1270
SAN ANDRES	3350	1.0	9.7	SAND HILLS, WEST	125AF
SAN ANDRES	3370	7.3	13.0	DUNE	217AL
SAN ANDRES	3400	20.0	13.0	JORDAN	A0870
DUNE	3420	.6	9.7	DUNE	A 670
SAN ANDRES	3450	4.8	8.0	C-BAR	A0570
SAN ANDRES	3450	4.8	8.0	C-BAR	A0570
SAN ANDRES	3468	4.8	8.0	C-BAR (SAN ANDRES)	A 370
SAN ANDRES	3500	12.0	11.8	WADDELL	502I
SAN ANDRES	3520	4.8	7.7	C-BAR	97AR
SAN ANDRES	3520	4.8	7.7	C-BAR	114AD
SAN ANDRES	3525	20.0	13.4	JORDAN	A 369
SAN ANDRES	3600		13.0	JORDAN	244I
SAN ANDRES	3700	20.0	14.0	JORDAN	245I
MOLT	3800	1.0	5.6	SAND HILLS, WEST	421I
GLORIETA	2947	30.0	10.0	ROBERDEAU, NORTH	111AS
UPPER GLORIETA	2980	45.0	13.5	BAYVIEW	106AD
GLORIETA	2984	50.0	13.2	BAYVIEW	99AF
GLORIETA	3023	12.5	14.7	BAYVIEW, WEST	70AS
GLORIETA	4040	19.0	5.2	CRAWAR	79AS
ARITHMETIC AVERAGE	3251	10.8	11.0		
GEOMETRIC AVERAGE		5.4			
MEDIAN VALUE		5.0	11.8		
MODE		4.7	12.0		
IDEAL SPECIFIC FLOW RATE =	.2 GPM/FT				
LEONARD (SUB-DIVIDED) SERIES UNDIFFERENTIATED					
UPPER CLEARFORK	2850	19.0	12.0	CROSSETT, WEST	88AC
3000 FT. CLEARFORK	2950		7.3	CROSSETT	117AD
MIDDLE CLEARFORK	3100		11.0	ROBERDEAU	144AD
CLEARFORK	3947	1.0	11.5	RUNNING W	108AR
LOWER CLEARFORK	4050	300.0	14.3	MC KEE	184AN
TUBB	4340	10.0	10.0	ROCKER A	148AD
TUBB	4500	56.0	12.8	SAND HILLS	420I
4500 FT. SAND	4560	.5	10.0	JORDAN	A0970
TUBB	3335	50.0	11.0	ROBERDEAU, WEST	113AS
TUBB	3398	30.0	15.0	ROBERDEAU, NORTH	112AS
TUBB	5320	2.1	11.3	C-BAR	73AS
ARITHMETIC AVERAGE	3850	52.1	11.5		
GEOMETRIC AVERAGE		12.0			
MEDIAN VALUE		19.0	11.3		
MODE		63.7	10.0		
IDEAL SPECIFIC FLOW RATE =	3.4 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CLEARFORK GROUP					
TUBB	4275	10.0	10.0	SAND HILLS (TUBB)	A 370
SAND HILLS TUBB	4400	33.0	10.0	SAND HILLS TUBB	A0170
TUBB	4400	33.0	10.0	SAND HILLS	A0271
TUBB	4500	10.0	10.0	SAND HILLS	A 270
SAND HILLS TUBB	4525	33.0	10.0	SAND HILLS TUBB	A 569
SAND HILLS TUBB	4525	33.0	10.0	SAND HILLS TUBB	A 769
TUBB	4625	50.4	12.8	SAND HILLS (TUBB)	A 469
TUBB	4860	25.0	15.0	ARMER	101AK
TUBB	5300	2.1	10.0	C-BAR	A1170
ARITHMETIC AVERAGE	4601	25.5	10.9		
GEOMETRIC AVERAGE		18.9			
MEDIAN VALUE		33.0	10.0		
MODE		31.7	10.3		
IDEAL SPECIFIC FLOW RATE =	2.2 GPM/FT				
WICHITA GROUP					
WICHITA-ALBANY	6350	10.0	6.0	ARMER	A 269
ARITHMETIC AVERAGE	6350	10.0	6.0		
GEOMETRIC AVERAGE		10.0			
MEDIAN VALUE		10.0	6.0		
MODE		10.0	6.0		
IDEAL SPECIFIC FLOW RATE =	1.1 GPM/FT				
WOLFCAMP SERIES UNDIFFERENTIATED					
WOLFCAMP	5320	9.0	12.9	MCKEE	102AS
WOLFCAMP	5684		7.0	SAND HILLS	117AS
WOLFCAMP	6350	20.0	6.3	ARMER	102AK
WOLFCAMP	7600	218.0	7.9	DUNE WOLFCAMP	76I
WOLFCAMP	7710	370.0	9.4	DUNE	84AI
7900 FT. (WOLFCAMP)	7925	100.0	12.0	EDWARDS	59AP
ARITHMETIC AVERAGE	6765	143.4	9.2		
GEOMETRIC AVERAGE		68.0			
MEDIAN VALUE		100.0	9.4		
MODE		11.0	6.6		
IDEAL SPECIFIC FLOW RATE =	1.3 GPM/FT				
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENNSYLVANIAN	6950	36.1	19.5	LEA	98AS

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PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
7620 PENN	7620	82.0	7.0	BLOCK 31	94AR
PENNSYLVANIAN, UPPER	8200	24.0	2.5	BLOCK 31, NW	62A0
ARITHMETIC AVERAGE	7590	47.4	9.7		
GEOMETRIC AVERAGE		41.4			
MEDIAN VALUE		36.1	7.0		
MODE		25.6	3.4		
IDEAL SPECIFIC FLOW RATE =	3.5 GPM/FT				
CISCO GROUP					
CISCO	8030	16.1	8.0	J. CLEO THOMPSON	103AR
ARITHMETIC AVERAGE	8030	16.1	8.0		
GEOMETRIC AVERAGE		16.1			
MEDIAN VALUE		16.1	8.0		
MODE		16.1	8.0		
IDEAL SPECIFIC FLOW RATE =	2.4 GPM/FT				
SHAWNEE GROUP					
MOLT	4008	2.4	12.3	RUNNING W. NORTH	114AS
ARITHMETIC AVERAGE	4008	2.4	12.3		
GEOMETRIC AVERAGE		2.4			
MEDIAN VALUE		2.4	12.3		
MODE		2.4	12.3		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
ATOKA GROUP UNDIFFERENTIATED					
7900 ATOKA	7900		8.0	BLOCK 31	95AR
ATOKA	8122		16.0	BLOCK 31, EAST	96AR
ARITHMETIC AVERAGE	8011		12.0		
GEOMETRIC AVERAGE					
MEDIAN VALUE			16.0		
MODE			8.4		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				
BEND GROUP					
BEND, SOUTH	8763	2.4	8.0	EDWARDS	44A0
ARITHMETIC AVERAGE	8763	2.4	8.0		
GEOMETRIC AVERAGE		2.4			
MEDIAN VALUE		2.4	8.0		
MODE		2.4	8.0		
IDEAL SPECIFIC FLOW RATE =	.4 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
DEVONIAN SYSTEM UNDIFFERENTIATED					
DEVONIAN	860	1.2	11.8	UNIVERSITY-WADDELL	A0371
DEVONIAN	3100	15.0	18.0	CORDONA LAKE	A0570
DEVONIAN	5100	5.0	22.0	ABELL	106AH
DEVONIAN	5200	5.7	21.5	CROSSETT	105AK
DEVONIAN	5245	4.1	22.0	ABELL	126AJ
DEVONIAN	5258	7.5	19.5	BAH MAR	91AR
DEVONIAN	5300	2.6	14.0	CROSSETT, SOUTH	A1169
DEVONIAN	5324	6.4	22.2	CROSSETT	121AH
DEVONIAN	5344	5.5	22.0	CROSSETT	A 670
DEVONIAN	5400	6.0	22.0	CROSSETT	59I
DEVONIAN	5416	15.0	18.4	CORDONA LAKE	A 669
DEVONIAN	5430	15.0	18.0	CORDONA LAKE	A 869
DEVONIAN	5470	4.0	18.2	CORDONA LAKE	86AA
DEVONIAN	5470	25.0	18.0	CORDONA LAKE	161AN
DEVONIAN	5478	7.0	31.4		35AA
DEVONIAN	5500	4.0	30.0	KITE	87AE
5500 FT. RESERVOIR	5500	15.0	18.2	CORDONA LAKE	119AH
DEVONIAN	5520	15.0	23.1	ATAPCO	110AH
DEVONIAN	5655	15.0	18.0	CORDONA LAKE	21I
DEVONIAN	5655	17.0	17.4	CORDONA LAKE, NORTH	75AS
DEVONIAN	5766		23.0	ATAPCO, NORTH	105AD
BLOCK B-18 DEVONIAN	6450	20.0	23.6	CRAWAR, NORTH	86AC
DEVONIAN	6500	19.0	31.0	CRAWAR, NORTH	85AC
DEVONIAN	8600	1.0	15.0	BLOCK 31	11I
DEVONIAN	8600	1.0	12.4	UNIVERSITY WADDELL	498I
DEVONIAN	8838	1.4	8.0	BLOCK 31, EAST	61AO
DEVONIAN	9040	8.1	9.9	UNIVERSITY WADDELL	155AH
ARITHMETIC AVERAGE	5741	9.3	19.6		
GEOMETRIC AVERAGE		6.5			
MEDIAN VALUE		7.0	18.4		
MODE		15.6	18.5		
IDEAL SPECIFIC FLOW RATE =	1.4 GPM/FT				
HUNTON GROUP					
SILURO - DEVONIAN	5300	6.4	22.0	NORTH CROSSETT	88AA
ARITHMETIC AVERAGE	5300	6.4	22.0		
GEOMETRIC AVERAGE		6.4			
MEDIAN VALUE		6.4	22.0		
MODE		6.4	22.0		
IDEAL SPECIFIC FLOW RATE =	.5 GPM/FT				
UNKNOWN FORMATION					
TUBB D ₀ L ₀ MITE	5275	71.0	8.9	JORDAN	175AN
ARITHMETIC AVERAGE	5275	71.0	8.9		
GEOMETRIC AVERAGE		71.0			
MEDIAN VALUE		71.0	8.9		
MODE		71.0	8.9		
IDEAL SPECIFIC FLOW RATE =	5.8 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
SILURIAN LOW-MID SERIES UNDIFFERENTIATED					
FUSSELMAN	7420	18.0	3.3	JORDAN	174AN
ARITHMETIC AVERAGE	7420	18.0	3.3		
GEOMETRIC AVERAGE		18.0			
MEDIAN VALUE		18.0	3.3		
MODE		18.0	3.3		
IDEAL SPECIFIC FLOW RATE =	2.4 GPM/FT				
SIMPSON GROUP					
MCKEE	9650	14.0	8.0	BLOCK 31	12I
MCKEE	9748	14.0	8.0	BLOCK 31	93AR
MCKNIGHT	3350	1.0	7.0	SAND HILLS	419I
WADDELL	5900	312.0	11.5	TUCKER	121AI
WADDELL SAND	6000	101.0	11.0	BLOCK B=21	214AL
WADDELL SAND	6000	174.0	10.8	BLOCK B=27	137AJ
MIDDLE WADDELL	6000	271.0	11.7	REED, NORTH	127AK
WADDELL SAND	6075	164.0	11.3	RUNNING W	418I
WADDELL	7000	45.0	10.9	CROWAR	95AE
CONNELL SAND	8150	98.0	10.5	LEA	117AM
CONNELL	10200	13.0	7.0	BLOCK 31	10I
ARITHMETIC AVERAGE	7098	109.7	9.8		
GEOMETRIC AVERAGE		47.4			
MEDIAN VALUE		98.0	10.8		
MODE		13.8	11.0		
IDEAL SPECIFIC FLOW RATE =	1.9 GPM/FT				
ELLENBURGER GROUP					
ELLENBURGER	5740		1.7	SAND HILLS	A 369
ELLENBURGER	5754	6.0	2.0	SAND HILLS	116AS
ELLENBURGER	6239	3.0	2.0	BLOCK B=21	110AD
ELLENBURGER	8165		1.8	LEA	40AA
ELLENBURGER	8400		1.8	LEA	118AM
ELLENBURGER	11865		2.0	EDWARDS	65AO
ARITHMETIC AVERAGE	7694	4.5	1.9		
GEOMETRIC AVERAGE		4.2			
MEDIAN VALUE		6.0	2.0		
MODE		3.1	2.0		
IDEAL SPECIFIC FLOW RATE =	.4 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD
SALINE WATER RESOURCES SURVEY

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OF THE
STATE OF TEXAS
AQUIFER ROCK PROPERTIES
CROCKETT COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WHITEHORSE GROUP					
1300 FT	1300	36.0	15.4	MIDWAY LANE	54H
PERMIAN	1300	36.0	15.4	MIDWAY LANE	55H
SOMA SAND	1175		25.0	NOELKE	61H
QUEEN SAND	1100	85.0	16.0	MIDWAY LANE	92AK
MALFF UNIT	1908	1.1	15.0	MALFF FIELD UNIT	A 171
GRAYBURG	1200		5.0	HANSON	24AA
GRAYBURG	1350	10.0	17.5	CROCKETT	15H
GRAYBURG	1500	1.0	13.0	CROCKETT	A0470
GRAYBURG	1590	6.2	24.4	TODD	76AC
GRAYBURG	1675	15.0	13.0	CROCKETT	A0570
LR. GRAYBURG	1820	3.0	14.5	MALFF	23AA
GRAYBURG	2000	1.1	15.8	MALFF	A0470
GRAYBURG	2000	1.0	15.8	MALFF	23H
GRAYBURG	2000	28.0	12.0	OLSON	066H
GRAYBURG	2008	1.1	15.8	MALFF FIELD UNIT	A 569
GRAYBURG DOLOMITE	2100		8.5	OLSON	95AK
GRAYBURG-SAN ANDRES	2196	5.0	12.0	FARMER	20H
GRAYBURG LIME	2550	25.0	15.0	WORLD	113H
GRAYBURG -SAN ANDRES	2100	593.0	18.0	OLSON	A 569
ARITHMETIC AVERAGE	1730	53.0	15.1		
GEOMETRIC AVERAGE		8.6			
MEDIAN VALUE		10.0	15.4		
MODE		1.4	16.0		
IDEAL SPECIFIC FLOW RATE =	.0 GPM/FT				
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES	450	25.0	13.0	SHANNON	085H
PERMIAN	1055	85.0	15.0	MIDWAY LANE	56H
SAN ANDRES	1350	1.0	11.0	PURE BEAN	080H
SAN ANDRES	1375	17.0	11.0	PURE BEAN, SOUTH	72AC
SAN ANDRES	1425	115.0	12.5	PURE BEAN	079H
SAN ANDRES	1828		8.0	TODD NORTH	84AR
SAN ANDRES	2030	1.2	12.0	SHANNON	A 571
SAN ANDRES	2080	24.0	8.5	SHANNON	A0870
SAN ANDRES	2186	24.0	8.5	SHANNON	084H
SAN ANDRES	2240		8.0	FARMER	201AL
FARMER -SAN ANDRES	2246	5.0	12.0	FARMER -SAN ANDRES	A 770

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
CROCKETT COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES	2406	24.0	8.5	SHANNON	64AS
SAN ANDRES	2406	11.0	9.5	SHANNON	75AC
ARITHMETIC AVERAGE	1775	30.2	10.6		
GEOMETRIC AVERAGE		13.9			
MEDIAN VALUE		24.0	11.0		
MODE		22.5	8.4		
IDEAL SPECIFIC FLOW RATE =	.5 GPM/FT				
WICHITA GROUP					
3200 FT. SAND	3200	1.0	12.9	REFOIL	100AD
ARITHMETIC AVERAGE	3200	1.0	12.9		
GEOMETRIC AVERAGE		1.0			
MEDIAN VALUE		1.0	12.9		
MODE		1.0	12.9		
IDEAL SPECIFIC FLOW RATE =	.0 GPM/FT				
LEONARD (UNDIVIDED) SERIES UNDIFFERENTIATED					
LEONARD LOWER	4700	4.0	10.0	TIPPET	A1070
LEONARD, LOWER	5067	4.0	10.0	TIPPETT	83AR
SPRABERRY	3690	129.0	25.0	OZONA, NW	82AR
ARITHMETIC AVERAGE	4486	45.7	15.0		
GEOMETRIC AVERAGE		12.7			
MEDIAN VALUE		4.0	10.0		
MODE		4.8	10.8		
IDEAL SPECIFIC FLOW RATE =	.3 GPM/FT				
WOLFCAMP SERIES UNDIFFERENTIATED					
5050 WOLFCAMP	5108	13.0	9.0	TIPPETT, WEST	42AQ
LOWER WOLFCAMP	5564		9.5	TIPPETT, WEST	43AQ
WOLFCAMP	6155	700.0	10.0	TIPPETT, EAST	125AJ
WOLFCAMP	6300	10000.0	20.0	TIPPETT	72AA
ARITHMETIC AVERAGE	5782	3571.0	12.1		
GEOMETRIC AVERAGE		449.8			
MEDIAN VALUE		700.0	10.0		
MODE		19.1	9.6		
IDEAL SPECIFIC FLOW RATE =	2.0 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENN, DETRITAL	8595	344.0	20.0	ESCONDIDO, NW	54A0
ARITHMETIC AVERAGE	8595	344.0	20.0		
GEOMETRIC AVERAGE		344.0			
MEDIAN VALUE		344.0	20.0		
MODE		344.0	20.0		
IDEAL SPECIFIC FLOW RATE =	66.2 GPM/FT				
CANYON GROUP					
CANYON SAND	6422		11.2	OZONA EAST	49AA
CANYON	6650	50.0	13.0	OZONA, NORTHWEST	99AD
ARITHMETIC AVERAGE	6536	50.0	12.1		
GEOMETRIC AVERAGE		50.0			
MEDIAN VALUE		50.0	13.0		
MODE		50.0	11.3		
IDEAL SPECIFIC FLOW RATE =	6.2 GPM/FT				
STRAWN GROUP					
SAN ANDRES	2186	24.0	8.5	SHANNON	083H
STRAWN LIME	2820	10.0	9.2	WORLD, WEST	114H
CRINOIDAL	5678	4.0	11.7	TODD (DEEP CRINOIDAL)	101H
CRINOIDAL LIMESTONE	5778	13.6	11.7	TODD DEEP	208AL
DEEP, CRINOIDAL	5800	13.6	11.7	TODD	A0970
STRAWN	8156	118.0	12.0	RANCH	207AL
STRAWN	8162	118.0	9.5	RANCH (STRAWN)	A 370
STRAWN	8163	29.0	12.0	RANCH	081H
STRAWN	8190	87.0	17.0	WORLD, WEST	209AL
ARITHMETIC AVERAGE	6104	46.4	11.5		
GEOMETRIC AVERAGE		26.4			
MEDIAN VALUE		24.0	11.7		
MODE		101.1	11.5		
IDEAL SPECIFIC FLOW RATE =	11.3 GPM/FT				
DEVONIAN SYSTEM UNDIFFERENTIATED					
DETRITAL	5000	14.0	15.0	CROSSETT, SOUTH	A0171
DEVONIAN	5218	3.0	20.0	CROSSETT, SO EL CINC	11AA
DEVONIAN	5230	3.0	19.0	CROSSETT SOUTH	A0171

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CROCKETT COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
DEVONIAN SYSTEM UNDIFFERENTIATED					
DEVONIAN	5324	50.0	15.0	CROSSETT, SOUTH	81AS
DEVONIAN	5326	2.6	14.0	CROSSETT, SOUTH	A 270
ARITHMETIC AVERAGE	5220	14.5	16.6		
GEOMETRIC AVERAGE		7.0			
MEDIAN VALUE		3.0	15.0		
MODE		3.0	14.9		
IDEAL SPECIFIC FLOW RATE =	.3 GPM/FT				
SILURIAN LOW-MID SERIES UNDIFFERENTIATED					
FUSSELMAN	8650	30.0	7.0	ESCONDIDO	18H
ARITHMETIC AVERAGE	8650	30.0	7.0		
GEOMETRIC AVERAGE		30.0			
MEDIAN VALUE		30.0	7.0		
MODE		30.0	7.0		
IDEAL SPECIFIC FLOW RATE =	5.9 GPM/FT				
ELLENBURGER GROUP					
ELLENBURGER	5900	5.0	7.0	TODD	A 269
ELLENBURGER	6232	4.7	7.4	TODD DEEP	147AN
ELLENBURGER	7185	23.0	2.4	ELKHORN	134AN
ELLENBURGER	8315		7.4	OZONA EAST	50AA
ELLENBURGER	9043	68.0	4.6	ESCONDIDO	75AR
ELLENBURGER	9400	72.0	4.6	ESCONDIDO, NW	53AO
ELLENBURGER	12100	5.0	4.0	JM	96AA
ARITHMETIC AVERAGE	8311	29.6	5.3		
GEOMETRIC AVERAGE		15.4			
MEDIAN VALUE		23.0	4.6		
MODE		5.4	7.2		
IDEAL SPECIFIC FLOW RATE =	1.0 GPM/FT				

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CROSBY COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
GLORIETA	3605	6.8	11.4	FORBES	144AJ
ARITHMETIC AVERAGE	3605	6.8	11.4		
GEOMETRIC AVERAGE		6.8			
MEDIAN VALUE		6.8	11.4		
MODE		6.8	11.4		
IDEAL SPECIFIC FLOW RATE =	.4 GPM/FT				
LEONARD (SUB-DIVIDED) SERIES UNDIFFERENTIATED					
CLEARFORK	4246	3.7	12.0	RIDGE	137AG
ARITHMETIC AVERAGE	4246	3.7	12.0		
GEOMETRIC AVERAGE		3.7			
MEDIAN VALUE		3.7	12.0		
MODE		3.7	12.0		
IDEAL SPECIFIC FLOW RATE =	.2 GPM/FT				

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CULBERSON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CHOA SERIES UNDIFFERENTIATED					
1000 FT CASTILE SAND	960	70.0	13.0	SCREWBEAN	4381
ARITHMETIC AVERAGE	960	70.0	13.0		
GEOMETRIC AVERAGE		70.0			
MEDIAN VALUE		70.0	13.0		
MODE		70.0	13.0		
IDEAL SPECIFIC FLOW RATE =	.7 GPM/FT				
DELAWARE MOUNTAIN GROUP					
DELAWARE	2458	10.0	15.0	GERALDINE, W. (2435)	A 270
DELAWARE	2500	50.0	22.5	GERALDINE FORD	A 869
DELAWARE	2548	17.0	20.0	SCREWBEAN	144AH
FORD	2550	45.0	22.5	GERALDINE	92AI
DELAWARE	2554	35.0	22.0	SCREWBEAN DELAWARE	A 869
DELAWARE SAND	2642	49.0	23.3	GERALDINE FORD	A0371
ARITHMETIC AVERAGE	2542	34.3	20.9		
GEOMETRIC AVERAGE		29.5			
MEDIAN VALUE		45.0	22.5		
MODE		46.3	22.9		
IDEAL SPECIFIC FLOW RATE =	1.4 GPM/FT				

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SALINE WATER RESOURCES SURVEY

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STATE OF TEXAS
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DAWSON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
QUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES	3385	3.9	16.5	HUNTLEY	115AM
SAN ANDRES	4800	3.5	10.0	CEDAR LAKE	18J
SAN ANDRES	4850	9.0	9.3	WELCH	A0870
SAN ANDRES	4875	1.0	10.0	WELCH	176J
SAN ANDRES	4880	1.0	10.0	WELCH, NO.	76AA
SAN ANDRES	4900	9.0	9.2	WELCH	A 270
SAN ANDRES	4900	4.0	9.3	WELCH	173J
SAN ANDRES	4920	2.8	12.4	WELCH	174J
SAN ANDRES	4933	4.0	9.3	WELCH	A 370
SAN ANDRES	4940	5.8	15.0	CEDAR LAKE, SE	158AN
SAN ANDRES	4950	12.4	10.0	CEDAR LAKE+SOUTHEAST	19J
SAN ANDRES	5000	2.8	12.4	WELCH	172J
SAN ANDRES	5000	4.7	9.3	WELCH	126AI
ARITHMETIC AVERAGE	4795	4.9	11.0		
GEOMETRIC AVERAGE		3.9			
MEDIAN VALUE		4.0	10.0		
MODE		3.1	9.6		
IDEAL SPECIFIC FLOW RATE =	.2 GPM/FT				
CLEARFORK GROUP					
6900 FT. SAND	6900	2.4	16.7	FASKEN	87AI
ARITHMETIC AVERAGE	6900	2.4	16.7		
GEOMETRIC AVERAGE		2.4			
MEDIAN VALUE		2.4	16.7		
MODE		2.1	16.7		
IDEAL SPECIFIC FLOW RATE =	.3 GPM/FT				
LEONARD (UNDIVIDED) SERIES UNDIFFERENTIATED					
Upper SPRABERRY	6812	75.0	19.0	FASKEN	88AI
UPPER SPRABERRY	6978	49.0	20.6	KEY	96AS
SPRABERRY	7000		14.7	BRITT	90AE
LOWER SPRABERRY	7400	511.0	16.8	SPRABERRY DEEP	165AJ
SPRABERRY	7490	15.0	17.5	FASKEN	86AI

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DANSON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCYS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
LEONARD (UNDIVIDED) SERIES UNDIFFERENTIATED					
LOWER SPRABERRY	7600	8.2	18.2	SPRABERRY DEEP, WEST	239AL
SPRABERRY	7700	3.5	14.7	WELCH, SOUTHEAST	102AE
SPRABERRY	7824	1.0	9.0	LAMESA, WEST	38AA
SPRABERRY	7999	1.3	12.0	LAMESA, WEST	119AF
SPRABERRY	8068	12.0	20.0	GIN	91AS
SPRABERRY	8068	12.0	20.0	GIN	58AQ
SPRABERRY	8068	2.7	7.0	GIN	59AQ
SPRABERRY	8345	1.0	13.9	PATRICIO, WEST	A097D
SPRABERRY	8370	5.5	18.0	PATRICIA, WEST	124AC
DEAN SAND	8172	2.0	12.0	ACKERLY	99AK
DEAN SAND	8172	.4	11.9	ACKERLY	1J
DEAN SAND	8200	6.4	8.8	ACKERLY	129AJ
DEAN SAND	8272	.4	9.0	ACKERLY (DEAN)	A 769
DEAN SAND	8429	5.0	11.0	BLOCK 35	54AQ
DEAN SAND	8520	.4	10.0	ACKERLY	A 471
DEAN SAND	9580	.3	9.0	ACKERLY, NORTHWEST	94AF
ARITHMETIC AVERAGE	7956	35.6	14.0		
GEOMETRIC AVERAGE		4.2			
MEDIAN VALUE		5.0	13.9		
MODE		.5	9.0		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
WOLFCAMP SERIES UNDIFFERENTIATED					
LOWER PERMIAN	6600	28.0	21.3	SPRABERRY DEEP, WEST	131AM
WOLFCAMP	8528	56.0	8.0	TRIPLE D, SOUTH	128AS
WOLFCAMP	8528	56.0	8.0	TRIPLE D, SOUTH	157AD
WOLFCAMP	9381	225.0	6.0	SCHMIDT	118AS
ARITHMETIC AVERAGE	8259	91.3	10.8		
GEOMETRIC AVERAGE		66.7			
MEDIAN VALUE		56.0	8.0		
MODE		58.4	8.3		
IDEAL SPECIFIC FLOW RATE =	8.0 GPM/FT				
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENNSYLVANIAN REEF	8157	338.0	5.6	SPRABERRY, WEST	238AL
PENNSYLVANIAN REEF	8497	19.0	8.1	TRIPLE D	145AG
PENNSYLVANIAN	8568	20.0	14.8	MUNGERVILLE	78J
PENN REEF	8590		15.0	MUNGERVILLE	79J
PENNSYLVANIAN	8600		12.2	MUNGERVILLE	190AN
ARITHMETIC AVERAGE	8482	125.7	11.1		
GEOMETRIC AVERAGE		50.5			
MEDIAN VALUE		20.0	12.2		
MODE		22.2	14.5		
IDEAL SPECIFIC FLOW RATE =	3.1 GPM/FT				

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DAWSON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CANYON GROUP					
CANYON SAND	10090		10.0	TEX - HAMMON	67AA
CANYON REEF	9100	12.0	6.4	MUNGERVILLE, EAST	156AJ
CANYON REEF	9481		9.0	ACKERLY, NORTHWEST	102AD
ARITHMETIC AVERAGE	9557	12.0	8.5		
GEOMETRIC AVERAGE		12.0			
MEDIAN VALUE		12.0	9.0		
MODE		12.0	6.6		
IDEAL SPECIFIC FLOW RATE =	2.0 GPM/FT				
STRAWN GROUP					
STRAWN	10400		7.0	TEX - HAMMON	68AA
ARITHMETIC AVERAGE	10400		7.0		
GEOMETRIC AVERAGE			7.0		
MEDIAN VALUE			7.0		
MODE			7.0		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				
MISSISSIPPIAN SYSTEM UNDIFFERENTIATED					
MISSISSIPPIAN	11000		12.0	TEX - HAMMON	69AA
MISSISSIPPIAN	11300	3.0	9.0	LAMESA, WEST	39AA
MISSISSIPPIAN	11350	35.0	14.0	LAMESA, WEST	110AC
MISSISSIPPIAN	11400		7.0	GIN	92AS
ARITHMETIC AVERAGE	11262	19.0	10.5		
GEOMETRIC AVERAGE		10.2			
MEDIAN VALUE		35.0	12.0		
MODE		3.4	7.4		
IDEAL SPECIFIC FLOW RATE =	.7 GPM/FT				
SILURIAN LOW-MID SERIES UNDIFFERENTIATED					
FUSSELMAN	10181	16.9	10.6	JO-HILL	94AS
FUSSELMAN	11574	25.0	7.0	TEX - HAMMON	70AA
FUSSELMAN	11574	25.0	7.0	TEX HAMON	155AD
FUSSELMAN	12020	200.0	5.0	PATRICIA	109AS
ARITHMETIC AVERAGE	1.337	66.7	7.4		
GEOMETRIC AVERAGE		38.1			
MEDIAN VALUE		25.0	7.0		
MODE		24.7	7.0		
IDEAL SPECIFIC FLOW RATE =	5.5 GPM/FT				

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DAWSON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
MONTOYA GROUP					
MONTOYA	11675	23.0	7.0	TEX - HAMMON	71AA
MONTOYA	11700	23.0	7.0	TEX - HAMON	156AD
ARITHMETIC AVERAGE	11687	23.0	7.0		
GEOMETRIC AVERAGE		23.0			
MEDIAN VALUE		23.0	7.0		
MODE		23.0	7.0		
IDEAL SPECIFIC FLOW RATE =	5.5 GPM/FT				

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S A L I N E W A T E R R E S O U R C E S S U R V E Y

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O F T H E
S T A T E O F T E X A S
A Q U I F E R R O C K P R O P E R T I E S
D E N T O N C O U N T Y

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
	STRAWN GROUP				
1600 FT STRAWN	1644	80.0	16.0	FLEETWOOD	381K
ARITHMETIC AVERAGE	1644	80.0	16.0		
GEOMETRIC AVERAGE		80.0	16.0		
MEDIAN VALUE		80.0	16.0		
MODE		80.0	16.0		
IDEAL SPECIFIC FLOW RATE =	1.6 GPM/FT				

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DEWITT COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CLAIBORNE GROUP					
4475 YEGUA	4475	105.0	29.2	HENZE, EAST	12AR
4600 YEGUA, UPPER	4600	135.0	28.8	HOLLY	13AR
COCKFIELD	4800	487.0	31.6	BALFOUR	2A
ARITHMETIC AVERAGE	4625	242.3	29.9		
GEOMETRIC AVERAGE		190.4			
MEDIAN VALUE		135.0	29.2		
MODE		113.7	28.9		
IDEAL SPECIFIC FLOW RATE =	12.8 GPM/FT				
WILCOX GROUP					
MASSIVE WILCOX	7600		22.0	COTTONWOOD CREEK, SO	10AM
MASSIVE WILCOX	7600	796.0	21.2	COTTONWOOD CREEK S.	3AK
WILCOX A-1	7900	1000.0	15.0	HELEN GOHLKE WILCOX	23B
WILCOX A	7900	232.0	20.6	JENNIE BELL (WILCOX)	33B
WILCOX A-2	7975	100.0	15.0	HELEN GOHLKE	21B
WILCOX A-1	8030	224.0	18.0	HELEN GOHLKE WEST	24B
WILCOX A-1	8070	110.0	20.0	HELEN GOHLKE WCOX A1	22B
WILCOX A-1 SAND	8096	200.0	20.0	HELEN GOHLKE	15AM
WILCOX A-1 SAND	8124	51.0	17.6	HELEN GOHLKE	A1070
WILCOX A-1	8124	51.0	17.6	HELEN GOHLKE	19B
WILCOX	8146	200.0	20.0	HELEN GOHLKE	20B
WILCOX	8168	200.0	17.6	HELEN GOHLKE WEST	16AM
ARITHMETIC AVERAGE	7978	287.6	18.7		
GEOMETRIC AVERAGE		186.5			
MEDIAN VALUE		200.0	20.0		
MODE		196.8	20.3		
IDEAL SPECIFIC FLOW RATE =	60.1 GPM/FT				

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DICKENS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCFES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOLFCAMP SERIES UNDIFFERENTIATED					
TANNEHILL	4650	42.0	16.0	CROTON CREEK	118AD
TANNEHILL	4685	145.0	21.0	CROTON CREEK, S.	A 171
ARITHMETIC AVERAGE	4667	93.5	18.5		
GEOMETRIC AVERAGE		78.0			
MEDIAN VALUE		145.0	21.0		
MODE		44.8	16.3		
IDEAL SPECIFIC FLOW RATE =	3.2 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD
SALINE WATER RESOURCES SURVEY

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STATE OF TEXAS
AQUIFER ROCK PROPERTIES
DIMMIT COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
NAVARRO GROUP					
OLMOS 3-D SAND	2200	50.0	26.0	ROCKY CREEK	1AJ
OLMOS 2 SAND	2561	100.0	26.0	WINTER GARDEN (2 SD)	54A
3470 FT. OLMOS	2998	108.0	26.1	THIRTEEN, EAST	A 270
OLMOS	3470	92.0	27.0	THIRTEEN, EAST	3AF
OLMOS	3600	129.0	26.5	INDIAN MOUND	1AQ
OLMOS SAND	3650	126.0	26.0	ELAINE	2AD
SAN MIGUEL	3400	1.6	19.8	HUGH FITZSIMONS	2AH
SAN MIGUEL	4450	16.0	24.8	ELAINE	A 269
SAN MIGUEL	4450	15.0	22.0	ELAINE	29A
SAN MIGUEL SAND	4460	16.4	24.8	ELAINE	3AD
ARITHMETIC AVERAGE	3524	65.2	24.9		
GEOMETRIC AVERAGE		36.7			
MEDIAN VALUE		92.0	26.0		
MODE		106.1	25.9		
IDEAL SPECIFIC FLOW RATE =	7.0 GPH/FT				

TEXAS WATER DEVELOPMENT BOARD
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STATE OF TEXAS
AQUIFER ROCK PROPERTIES
DUVAL COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUEYDAN-CATAHOULA GROUP					
900 FT SAND	900	1068.0	33.4	GOVERNMENT WELLS, N.	95D
900 FT. SO CATAHOULA	928	1068.0	33.4	NORTH GOVT. WELLS	A 369
DAUGHMERTY (FRIO)	2230	150.0	10.0	HOFFMAN	A 569
DAUGHMERTY	2500	450.0	34.0	GRUY	A 269
UPPER FRIO COLE ESB	2596	346.0	35.3	CONOCO-DRISCOLL	A 73D
NEW YEARS SAND	3100	200.0	25.0	LA HUERTA, WEST	34AE
HILDA SAND	3562	232.0	26.8	GOOD FRIDAY	41AH
LOWER FRIO 3600 FT.	3640	300.0	30.0	TESORO	A 469
ARITHMETIC AVERAGE	2432	476.7	28.5		
GEOMETRIC AVERAGE		372.5			
MEDIAN VALUE		346.0	33.4		
MODE		972.8	34.0		
IDEAL SPECIFIC FLOW RATE =	40.8 GPM/FT				
JACKSON GROUP					
COLE NO. 1	900	430.0	28.0	COLMENA	69D
COLE NO. 1	900	430.0	28.0	COLMENA	70D
COLMENA	915	650.0	41.0	COLMENA	A 770
COLE SAND	915	650.0	41.0	COLMENA	A 869
COLE	950	1200.0	30.0	SEVENTY-SIX, SOUTH	215D
COLE C SAND	1000	600.0	36.0	CASA BLANCA, WEST	15AQ
COLE (C)	1050	600.0	36.0	CASA BLANCA, WEST	66D
COLE C	1055	600.0	36.0	CASA BLANCA, WEST	A 869
COLE	1100	300.0	36.0	CASA BLANCA	65D
COLE	1190	900.0	26.0	CASA BLANCA	64D
COLE SAND	1328	1519.0	31.9	SEVENTY-SIX, WEST	40AP
COLE SAND	1340	1209.0	30.7	SEVENTY-SIX, WEST	161AL
COLE	1346	900.0	32.0	SEVENTY-SIX, WEST	A 369
4 TH. COLE	1422	2240.0	36.9	D. C. R. 55	50AD
COLE	1456	600.0	35.0	CEDRO HILL	A1069
COLE	1475	972.0	32.5	DCR 79	74D
COLE C	1480	970.0	32.5	D. C. R. 79	A 370
1500 FT SAND	1500	300.0	35.0	CHARAMOUSCA, SOUTH	49AD
UPPER COLE SAND	1518	5100.0	35.0	EAGLE HILL	A1069
COLE NO. 1	1528	2730.0	32.7	LUNDELL	153D
COLE 1 SAND	1528	800.0	28.0	LUNDELL	46AI
GOVT. WELL SAND	1550	288.0	32.5	PIEDRE LUMBRE	A0371

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DUVAL COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
JACKSON GROUP					
LOWER COLE	1565	300.0	26.0	NORTH GOVT. WELLS	A 469
GOVT WELLS	1657	200.0	28.0	S. GOVT WELLS	A 269
GOVT. WELLS SAND	1700	1100.0	31.0	GOVT. WELLS, SOUTH	A 571
GOVT. WELLS	1715	1100.0	31.0	GOVT. WELLS, SOUTH	A 471
GOVT. WELLS UPPER	1794	200.0	28.0	GOVT. WELLS, SOUTH	A0170
1800 FT SAND	1800	150.0	29.0	GOVERNMENT WELLS,N.	850
ARGO SAND	1818	461.0	28.5	HAGIST RANCH	104AL
1800 FT	1850	354.0	28.0	GOVERNMENT WELLS,N.	930
1800 FT. SAND	1853	354.0	28.0	NORTH GOVT. WELLS	A 469
LOMA NOVIA NO.2	1900	276.0	31.4	LOMA NOVIA(2ND SAND)	145D
LOMA NOVIA NO.2	1945	728.0	31.2	GORMAC	830
GOVT. WELLS SAND	1950	300.0	29.3	BRELUM	A1170
GOVERNMENT WELLS	1950	280.0	33.0	PIEDRE LUMBRE	163D
LOWER COLE	1974	175.0	35.0	HOFFMAN	A 569
HOCKLEY (F)	2000	396.0	31.0	GOVERNMENT WELLS,N.	88D
GOVERNMENT WELLS	2020	420.0	30.0	GOVERNMENT WELLS,N.	87D
LOMA NOVIA NO.1	2025	450.0	28.0	LOMA NOVIA	137D
LOPEZ	2105	428.0	35.0	NORTH LOPEZ	A 469
LOMA NOVIA	2165	150.0	26.0	HOFFMAN	A 569
GOVT. WELLS	2189	200.0	30.0	GOVT. WELLS, SOUTH	A0171
GOVT. WELLS SAND	2200	200.0	30.0	GOVT. WELLS, SOUTH	A0371
GOVT. WELLS SAND	2200	200.0	30.0	GOVT. WELLS, SOUTH	A0870
LOPEZ SAND	2200	134.0	35.0	LOPEZ, NORTH	122AL
GOVERNMENT WELLS	2200	420.0	31.0	GOVERNMENT WELLS,S.	97D
LOWER COLE	2200	757.0	33.6	HOFFMAN	45AI
GOVT. WELLS	2230		26.0	N. GOVERNMENT WELLS	A 269
GOVT. WELLS SAND	2247	1100.0	31.0	GOVT. WELLS, SOUTH	A1170
GOVERNMENT WELLS	2270	850.0	40.0	GOVERNMENT WELLS, NO	A 869
GOVERNMENT WELLS	2270	500.0	26.0	GOVERNMENT WELLS,N.	92D
LOWER COLE	2300	750.0	30.0	HOFFMAN	104D
GOVT. WELLS SAND	2301	1100.0	31.0	GOVT. WELLS, SOUTH	A1270
GOVT. WELLS	2315	600.0	30.8	GOVT. WELLS SOUTH	A 469
GOVERNMENT WELLS	2333	200.0	28.0	GOVERNMENT WELLS,S.	98D
GOVERNMENT WELLS	2335	800.0	32.0	GOVERNMENT WELLS N.	A 669
GOVERNMENT WELLS	2335	600.0	30.8	GOVERNMENT WELLS, SO	A 869
GOVT WELLS SAND	2370	1100.0	31.0	GOVT. WELLS SOUTH	A1270
GOVERNMENT WELLS	2400	300.0	26.0	GOVERNMENT WELLS,N.	94D
LOMA NOVIA,UPPER	2400	400.0	31.0	LOMA NOVIA	138D
LOMA NOVIA,UPPER	2400	400.0	31.0	LOMA NOVIA	139D
SECOND LOMA NOVIA	2403	730.0	31.2	GORMAC	A 469
GOVT WELLS SAND	2456	1100.0	31.0	GOVT. WELLS, SOUTH	A1270
GOVT WELLS SAND	2504	1100.0	31.0	GOVT. WELLS, SOUTH	A1270
LOMA NOVIA	2505	650.0	36.0	LOMA NOVIA	A 869
SECOND SAND	2515	1035.0	33.0	LOMA NOVIA	A1169
LOMA NOVIA FIRST SAND	2516	600.0	31.0	WEST LOMA NOVIA	A 869
LOMA NOVIA	2543	902.0	31.0	LOMA NOVIA	A 569
LOMA NOVIA SAND	2550	500.0	29.0	LOMA NOVIA	A1270
LOMA NOVIA 2ND SAND	2550	438.0	32.0	LOMA NOVIA	A1270

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JACKSON GROUP					
LOMA NOVIA, 2ND SAND	2550	438.0	32.0	LOMA NOVIA (2ND SAND)	1440
SECOND SAND	2555	438.0	32.0	LOMA NOVIA	A0171
LOMA NOVIA	2555	650.0	36.0	LOMA NOVIA	A 770
LOMA NOVIA	2600	212.0	27.0	LOMA NOVIA	1350
DAUGHERTY	2605	420.0	34.6	GRUY	990
UPPER LOMA NOVIA	2710	1800.0	30.0	HOFFMAN	A 369
LOMA NOVIA SAND	2711	500.0	35.0	LOMA NOVIA	A 469
LOMA NOVIA	2730	500.0	28.0	HOFFMAN	23A0
LOMA NOVIA SAND	2770	261.0	23.0	HOFFMAN	A0271
LOMA NOVIA 2730	2770	261.0	23.0	HOFFMAN	A0870
LOMA NOVIA	2770	261.0	23.0	HOFFMAN	A1170
2ND LOMA NOVIA	2824	125.0	27.0	HERBST	A0170
LOWER LOMA NOVIA	2840	1900.0	35.0	HOFFMAN	105D
LOMA NOVA	3298	383.0	29.2	ROSALIA=MAG	51AH
UPPER HOCKLEY	3573		32.7	JOHNS	27AJ
HOCKLEY A=4	4101	800.0	31.0	A=H	43AR
HOCKLEY E	4288	1000.0	30.0	A=H	44AR
WOODLEY SAND	4700	478.0	32.0	BENAVIDES	22D
HOCKLEY	5275	256.0	25.7	SEJITA	A 269
SECOND HOCKLEY	5751	256.0	25.5	SEJITA	A 469
LOPEZ SAND	328	328.0	35.0	NORTH LOPEZ	A0170
1150 FT. MIRANDO	1150	350.0	29.2	NEELY	37AE
MIRANDO SAND	1550	300.0	35.0	CHARAMOUSCA, SOUTH	39AG
MIRANDO	1558	600.0	32.0	SOUTH CHARAMOUSCA	A 769
MIRANDO	1580	600.0	32.0	CHARAMOUSCA	A1069
MIRANDO NO.1	1710	690.0	33.9	LUNDELL, MIRANDO NO.1	154D
MIRANDO -1	2358	690.0	33.9	LUNDELL (MIRANDO -1)	A 569
MIRANDO	2358	690.0	33.9	LUNDELL (MIRANDO)	A 670
ARITHMETIC AVERAGE	2143	674.7	31.2		
GEOMETRIC AVERAGE		520.7			
MEDIAN VALUE		500.0	31.0		
MODE		465.7	31.1		
IDEAL SPECIFIC FLOW RATE =	15.9 GPM/FT				
CLAIBORNE GROUP					
O HERN	2100	286.0	28.0	O HERN	161D
O HERN	2767	286.0	28.2	O*HERN	A 370
YFGUA	2940	600.0	32.0	COLE SOUTH	A1069
B-SAND	3193	1500.0	30.0	THANKSGIVING	66AH
DINN SAND	3254	1250.0	33.5	THANKSGIVING	A 569
PETTUS R	3600	300.0	29.5	COX-HAMMON	A 269
HIAWATHA	4940		27.0	AGUA PRIETA	3D
HIAWATHA SAND	5493		24.0	BENAVIDES	21D
QUEEN CITY SAND	5194	158.0	22.1	HAGIST RANCH	105AL

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DUVAL COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CLAIBORNE GROUP					
QUEEN CITY	5400	94.0	22.9	GOVERNMENT WELLS, N.	96D
QUEEN CITY	5432	65.0	22.5	GOVERNMENT WELLS, N.	42AH
QUEEN CITY SAND	5432	65.0	22.5	GOVERNMENT WELLS, N.	103AL
QUEEN CITY	5700	18.0	19.0	FETERS	48AI
QUEEN CITY 2ND SAND	5725	20.0	19.8	FETERS	49AI
FIRST QUEEN CITY	5740	100.0	19.5	PETERS, NORTH	45AH
ARITHMETIC AVERAGE	4461	364.8	25.4		
GEOMETRIC AVERAGE		164.1			
MEDIAN VALUE		158.0	24.0		
MODE		326.8	22.6		
IDEAL SPECIFIC FLOW RATE =	36.1 GPM/FT				
WILCOX GROUP					
WILCOX [G] SAND	7730	302.0	22.0	HAGIST RANCH	106AL
ARITHMETIC AVERAGE	7730	302.0	22.0		
GEOMETRIC AVERAGE		302.0			
MEDIAN VALUE		302.0	22.0		
MODE		302.0	22.0		
IDEAL SPECIFIC FLOW RATE =	92.0 GPM/FT				

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EASTLAND COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WHITEHORSE GROUP					
GRAYBURG	4150	8.0	5.0	DONNELLY, NORTH	A1170
ARITHMETIC AVERAGE	4150	8.0	5.0		
GEOMETRIC AVERAGE		8.0			
MEDIAN VALUE		8.0	5.0		
MODE		8.0	5.0		
IDEAL SPECIFIC FLOW RATE =	.7 GPM/FT				
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENNSYLVANIAN	477	200.0	20.7	EASTLAND	A 770
PENNSYLVANIAN	1268	15.0	17.0	EASTLAND CO. REGULAR	A0171
PENNSYLVANIAN	1275	11.5	12.4	EASTLAND	A 171
ARITHMETIC AVERAGE	1007	75.5	16.7		
GEOMETRIC AVERAGE		32.6			
MEDIAN VALUE		15.0	17.0		
MODE		13.4	12.8		
IDEAL SPECIFIC FLOW RATE =	.2 GPM/FT				
STRAWN GROUP					
1250 FT STRAWN SAND	1250	15.0	17.0	EASTLAND CO. REGULAR	118G
1250 FT STRAWN SAND	1275	12.0	12.4	EASTLAND CO. REGULAR	116G
STRAWN SAND	1870	413.0	21.0	EASTLAND CO. REGULAR	120G
CADDO LIME	2450	4.0	10.2	EASTLAND CO. REGULAR	114G
CADDO	2783	3.0	5.0	JO KIEL	109AJ
ARITHMETIC AVERAGE	1926	89.4	13.1		
GEOMETRIC AVERAGE		15.5			
MEDIAN VALUE		12.0	12.4		
MODE		4.0	5.8		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
HEND GROUP					
LAKE	1787	17.0	17.0	BANKLINE-OWER LAKE	5G

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EASTLAND COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
BEND GROUP					
LAKE	1840	130.0	20.0	BANKLINE-OWEN,N,LAKE	66
MARBLE FALLS	2750	675.0	18.0	EASTLAND CO. REGULAR	1156
LAKE SAND	3375	130.0	20.0	BANKLINE OWEN NORTH	A1069
MCCLESKEY SAND	3450	42.0	14.0	EASTLAND CO. REGULAR	1216
LAKE SAND	3500		18.7	HILL (LAKE SAND)	1476
ARITHMETIC AVERAGE	2784	198.8	17.9		
GEOMETRIC AVERAGE		96.0			
MEDIAN VALUE		130.0	18.7		
MODE		131.0	19.7		
IDEAL SPECIFIC FLOW RATE =	6.4 GPM/FT				

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ECTOR COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
PERMIAN SYSTEM UNDIFFERENTIATED					
NORTH COWDEN	4400	4.5	6.0	NORTH COWDEN	A 671
COWDEN, NORTH DEEP	5255	5.0	7.0	COWDEN	A 671
ARITHMETIC AVERAGE	4827	4.8	6.5		
GEOMETRIC AVERAGE		4.7			
MEDIAN VALUE		5.0	7.0		
MODE		4.5	6.1		
IDEAL SPECIFIC FLOW RATE =	.3 GPM/FT				
WHITEHORSE GROUP					
QUEEN SAND	4425	54.9	17.1	CONCHO BLUFF NORTH	A0170
QUEEN SAND	4512	125.0	19.7	MOOSE	139AH
GRAYBURG	3543	3.5	5.0	MOSS	124AK
GRAYBURG	3922	2.4	7.2	SOUTH COWDEN	A 769
GRAYBURG	3960	5.0	6.0	NORTH COWDEN	271
GRAYBURG	4000	13.0	9.5	FOSTER	1071
GRAYBURG	4000	13.0	10.0	FOSTER	1091
GRAYBURG	4000	13.0	9.3	FOSTER	1101
GRAYBURG DOLOMITE	4050	3.0	7.5	COWDEN, SOUTH	411
GRAYBURG DOLOMITE	4050	3.0	7.5	COWDEN, SOUTH	421
GRAYBURG DOLOMITE	4050	3.0	7.5	COWDEN, SOUTH	431
GRAYBURG	4060	4.2	5.5	DONNELLY, NORTH	122AG
FOSTER	4100	2.0	6.0	FOSTER	A 471
GRAYBURG	4100	12.7	9.3	FOSTER	A0570
GRAYBURG	4100	12.7	9.3	FOSTER	A 571
GRAYBURG	4100	2.0	7.5	COWDEN, SOUTH	481
GRAYBURG	4100	13.0	9.3	FOSTER	1081
GRAYBURG	4100	13.0	9.3	FOSTER	1141
GRAYBURG	4120	3.0	9.0	FORSTER	1031
FOSTER	4150	12.7	35.0	FOSTER	A 670
GRAYBURG	4150	12.7	9.3	FOSTER	A 869
GRAYBURG	4150	2.0	8.8	FOSTER	1121
GRAYBURG	4200	5.4	10.0	FOSTER	A0371
GRAYBURG	4200	4.5	6.0	COWDEN, NORTH	A 571
FOSTER	4248	2.1	8.8	FOSTER	A 670
GRAYBURG	4250	2.0	8.8	FOSTER	1111
GRAYBURG	4250	2.0	8.8	FOSTER	1131
GRAYBURG DOLOMITE	4270	2.0	8.5	COWDEN, SOUTH	A 369

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIPS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WHITEMORSE GROUP					
GRAYBURG	4300	2.0	6.0	COWDEN,SOUTH	471
GRAYBURG	4300	2.0	10.0	FOSTER	1051
GRAYBURG	4400	4.5	6.0	COWDEN NORTH	A 669
GRAYBURG	4400	10.0	12.0	COWDEN NORTH	311
GRAYBURG	4400	10.0	12.0	COWDEN NORTH	321
GRAYBURG	4500	2.0	9.5	COWDEN,SOUTH	A1069
GRAYBURG-DOLOMITE	4500	2.0	9.5	COWDEN,SOUTH	551
GRAYBURG-DOLOMITE	4500	2.0	9.5	COWDEN,SOUTH	561
GRAYBURG	4530	1.0	7.0	COWDEN,NORTH	241
GRAYBURG	4530		7.0	COWDEN,NORTH	251
GRAYBURG	4556	2.0	5.0	DOUBLE H GRAYBURG	A 370
GRAYBURG	4556	2.0	5.0	COWDEN,SOUTH	A 370
GRAYBURG	4580	3.7	12.6	COWDEN SOUTH	A 270
GRAYBURG	4600	2.0	9.5	COWDEN,SOUTH	341
GRAYBURG	4600	2.0	6.0	DOUBLE H	107AK
GRAYBURG	4680	2.0	12.9	COWDEN,NORTH	A0371
GRAYBURG	5050	2.0	7.5	SOUTH COWDEN	491
GRAYBURG	5050	100.0	13.0	COWDEN,SOUTH	511
GRAYBURG-SAN ANDRES	3300	6.0	5.6	EDWARDS	A1070
GRAYBURG-SAN ANDRES	3850	4.0	8.0	COWDEN,SOUTH	351
GRAYBURG-SAN ANDRES	3900	4.0	10.0	SOUTH COWDEN	A1169
GRAYBURG-SAN ANDRES	3900	2.0	8.8	FORSTER	1011
SAN ANDRES-GRAYBURG	3940	100.0	20.0	SOUTH COWDEN	501
GRAYBURG-SAN ANDRES	3990	3.0	2.7	FORSTER	1041
GRAYBURG-SAN ANDRES	4000	1.0	8.0	COWDEN,SOUTH	461
GRAYBURG-SAN ANDRES	4050	2.0	8.0	FOSTER	1061
GRAYBURG-SAN ANDRES	4100	4.3	9.2	SOUTH COWDEN	A1270
GRAYBURG-SAN ANDRES	4100	3.0	7.5	COWDEN,SOUTH	361
GRAYBURG-SAN ANDRES	4100	3.0	8.0	HARPER	1671
GRAYBURG-SAN ANDRES	4120	2.4	7.5	SOUTH COWDEN	A 869
GRAYBURG SAN ANDRES	4150	12.7	9.3	FOSTER	A 370
GRAYBURG-SAN ANDRES	4150	.8	8.1	NORTH COWDEN	A0570
GRAYBURG-SAN ANDRES	4150	2.0	4.7	COWDEN,SOUTH	371
GRAYBURG-SAN ANDRES	4150	2.0	6.0	COWDEN,SOUTH	401
GRAYBURG-SAN ANDRES	4150	5.0	6.7	JOHNSON	2391
GRAYBURG-SAN ANDRES	4150	2.0	7.3	JOHNSON	2401
GRAYBURG-SAN ANDRES	4150	2.0	7.3	JOHNSON	2411
GRAYBURG-SAN ANDRES	4180	2.0	8.0	FOSTER	A 669
GRAYBURG-SAN ANDRES	4200	2.0	10.0	FOSTER	A0870
GRAYBURG	4200	8.0	5.0	DONNELLY,N.	721
GRAYBURG-SAN ANDRES	4200		8.0	JOHNSON	2421
GRAYBURG-SAN ANDRES	4248	2.1	8.8	FOSTER	A 769
GRAYBURG-SAN ANDRES	4250	2.0	4.8	COWDEN,SOUTH	381
GRAYBURG-SAN ANDRES	4300	2.0	8.0	COWDEN,SOUTH	441
GRAYBURG-SAN ANDRES	4305	10.0	6.0	DONNELLY(SAN ANDRES)	711
GRAYBURG-SAN ANDRES	4400	20.0	12.0	FORSTER	1021
GRAYBURG-SAN ANDRES	4500	2.0	5.5	COWDEN,SOUTH	541
GRAYBURG-SAN ANDRES	5050	5.0	15.0	COWDEN,SOUTH	521
ARITHMETIC AVERAGE	4229	9.7	8.9		
GEOMETRIC AVERAGE		4.1			
MEDIAN VALUE		3.0	8.1		
MODE		1.7	7.5		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS

ECTOR COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES	3400	20.0	13.0	JORDAN	A0870
SAN ANDRES	3400	2.5	9.8	PENWELL	A1170
SAN ANDRES	3960	2.0	15.0	COWDEN,SOUTH	45I
SAN ANDRES	4050	2.0	9.1	HARPER	170I
SAN ANDRES	4070	6.0	12.0	GOLDSMITH	A0870
SAN ANDRES	4100	16.3	9.3	GOLDSMITH	A0470
SAN ANDRES	4100	14.7	12.0	GOLDSMITH	A 57I
SAN ANDRES	4100	14.7	12.0	GOLDSMITH	A1169
SAN ANDRES	4100	10.0	8.0	DONNELLY	69I
SAN ANDRES	4100	6.0	11.7	GOLDSMITH	129I
SAN ANDRES	4100	15.0	12.0	GOLDSMITH	134I
SAN ANDRES	4125	2.0	11.0	HARPER	A 369
SAN ANDRES	4127	14.7	12.0	GOLDSMITH	A 270
SAN ANDRES	4127	14.7	12.0	GOLDSMITH	A 769
SAN ANDRES	4200	44.0	10.0	GOLDSMITH	A 869
SAN ANDRES	4200	44.0	10.0	GOLDSMITH	A1069
SAN ANDRES	4200	44.0	10.0	GOLDSMITH	A1270
SAN ANDRES	4200	24.0	10.2	GOLDSMITH	113AK
SAN ANDRES	4200	10.0	8.0	DONNELLY(SAN ANDRES)	70I
SAN ANDRES	4200	25.0	10.0	GOLDSMITH	131I
SAN ANDRES	4200	6.0	12.0	GOLDSMITH	132I
SAN ANDRES	4200	1.0	7.0	GOLDSMITH	133I
SAN ANDRES	4200	15.0	12.0	GOLDSMITH	135I
SAN ANDRES	4200	20.0	12.0	GOLDSMITH	136I
SAN ANDRES	4200	7.0	10.0	LAWSON (SAN ANDRES)	327I
SAN ANDRES	4250	44.0	10.0	GOLDSMITH	A 770
SAN ANDRES	4250	9.0	8.9	GOLDSMITH	130I
SAN ANDRES	4280	6.0	10.4	LAWSON (SAN ANDRES)	336I
SAN ANDRES	4280	1.8	7.5	GOLDSMITH, WEST	93AC
SAN ANDRES	4300	3.7	6.0	GOLDSMITH, WEST	A0970
SAN ANDRES	4300	3.0	6.2	GOLDSMITH, WEST	117AK
SAN ANDRES	4300	7.0	10.0	LAWSON	132AG
SAN ANDRES	4300		10.4	HARPER	221AL
SAN ANDRES	4300	1.8	7.6	SLATOR	153AD
SAN ANDRES	4351	9.6	9.3	DONNELLY	A 469
SAN ANDRES	4380	6.7	9.9	TXL	170AJ
SAN ANDRES	5276	39.0	6.8	COWDEN, NORTH	84AC
GLORIETA	4426	18.6	13.3	METZ	137AH
GLORIETTA	4570	18.0	13.3	METZ GLORIETTA	A027I
GLORIETA	4690	20.0	12.0	SONY B	125AS
HOLT	4950	12.0	5.4	GOLDSMITH, EAST	220AL
GLORIETA	5100	7.0	11.1	GOLDSMITH (HOLT)	147I
GLORIETTA	5136	31.0	18.0	GOLDSMITH, EAST	91AC
HOLT	5150	3.0	7.0	COWDEN, NORTH (DEEP)	120AH
HOLT	5106	4.6	9.8	GOLDSMITH	169AH
ARITHMETIC AVERAGE	4306	14.2	10.3		
GEOMETRIC AVERAGE		9.3			
MEDIAN VALUE		10.0	10.0		
MODE		17.4	9.8		
IDEAL SPECIFIC FLOW RATE =	1.1 GPM/FT				

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ECTOR COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
LEONARD (SUB-DIVIDED) SERIES UNDIFFERENTIATED					
CLEARFORK	5100	20.0	9.0	PENWELL	143AD
5600 FT. ZONE	5600	28.0	15.0	GOLDSMITH	168AN
UPPER CLEARFORK	5600	3.0	9.6	GOLDSMITH (5600 FT)	137I
5600 FT	5600	28.0	15.0	GOLDSMITH (5600 FT)	138I
UPPER CLEARFORK	5600	13.0	9.3	GOLDSMITH (5600 FT)	140I
CLEARFORK	5600	1.0	6.0	GOLDSMITH (CLRFORK)	142I
CLEARFORK	5631	.8	12.0	GOLDSMITH	A 869
CLEARFORK	5633	.8	12.0	GOLDSMITH	A017I
UPPER CLEARFORK	5640	2.0	8.0	GOLDSMITH, WEST	94AI
UPPER CLEARFORK	5640	28.0	15.0	GOLDSMITH (5600 FT)	139I
UPPER CLEARFORK	5650	2.0	7.6	GOLDSMITH, WEST	118AK
CLEARFORK	6100	.8	12.0	GOLDSMITH	114AK
CLEARFORK	6100	9.0	11.1	GOLDSMITH (CLRFORK)	143I
5600 FT + CLEARFORK	6200	1.0	12.0	GOLDSMITH (CLRFORK)	144I
ARITHMETIC AVERAGE	5692	9.8	11.0		
GEOMETRIC AVERAGE		4.0			
MEDIAN VALUE		3.0	12.0		
MODE		1.0	11.9		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
CLEARFORK GROUP					
GOLDSMITH (5600 FT)	5616	13.2	9.3	GOLDSMITH (5600 FT)	A 469
TUBB SAND	6158		14.0	TXL	119AI
TUBB	6200	1.0	6.0	TXL	215AN
ARITHMETIC AVERAGE	5991	7.1	9.8		
GEOMETRIC AVERAGE		3.6			
MEDIAN VALUE		13.2	9.3		
MODE		1.1	6.4		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
WOLFCAMP SERIES UNDIFFERENTIATED					
WOLFCAMP	6695		5.8	JORDAN, SOUTH	129AD
WOLFCAMP	7018	15.0	7.0	SONY B	126AS
WOLFCAMP	7535	.5	7.5	TXL, NORTH	143AG
WOLFCAMP	7604	.2	5.0	WHEELER	148AG
WOLFCAMP	8475	69.3	13.1	FASKEN, SOUTH	90AS
ARITHMETIC AVERAGE	7465	21.3	7.7		
GEOMETRIC AVERAGE		3.2			
MEDIAN VALUE		15.0	7.0		
MODE		.3	5.4		
IDEAL SPECIFIC FLOW RATE =	.0 GPM/FT				

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ECTOR COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENN	7995		8.0	BOB	57AP
PENNSYLVANIAN	8360	1.2	3.9	COWDEN, SOUTH	77AS
PENNSYLVANIAN	8450	70.0	12.0	TXL	169AJ
ARITHMETIC AVERAGE	8268	35.6	8.0		
GEOMETRIC AVERAGE		9.2			
MEDIAN VALUE		70.0	8.0		
MODE		1.5	4.3		
IDEAL SPECIFIC FLOW RATE =	.3 GPM/FT				
CISCO GROUP					
CISCO	8584		10.0	HARPER, SE	47AQ
8640 CISCO	8640	120.0	8.0	COWDEN, SOUTH	100AR
CISCO	8800	65.0	5.0	COWDEN	94AE
CISCO	8810	64.6	10.0	COWDEN CISCO	A 369
CISCO	8810	64.6	10.0	COWDEN (CISCO)	A 669
ARITHMETIC AVERAGE	8729	78.5	8.6		
GEOMETRIC AVERAGE		75.5			
MEDIAN VALUE		65.0	10.0		
MODE		66.7	9.8		
IDEAL SPECIFIC FLOW RATE =	12.3 GPM/FT				
CANYON GROUP					
8790 CANYON	8790	400.0	10.5	COWDEN, SOUTH	99AR
ARITHMETIC AVERAGE	8790	400.0	10.5		
GEOMETRIC AVERAGE		400.0			
MEDIAN VALUE		400.0	10.5		
MODE		400.0	10.5		
IDEAL SPECIFIC FLOW RATE =	74.9 GPM/FT				
STRAWN GROUP					
STRAWN DETRITUS	8307	13.0	12.0	LAZY R	328I
STRAWN DETRITUS	8307	13.0	12.0	LAZY R	97AS
STRAWN	8784		7.5	HARPER	96AC
STRAWN	9028		9.0	HARPER	124AD
ARITHMETIC AVERAGE	8606	13.0	10.1		
GEOMETRIC AVERAGE		13.0			
MEDIAN VALUE		13.0	12.0		
MODE		13.0	11.8		
IDEAL SPECIFIC FLOW RATE =	2.3 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
DEVONIAN SYSTEM UNDIFFERENTIATED					
DEVONIAN	7875	47.0	16.0	GOLDSMITH	93AI
DEVONIAN	7900	29.0	18.0	GOLDSMITH, NORTH	148I
DEVONIAN	7950	19.0	12.0	GOLDSMITH DEVONIAN	145I
DEVONIAN	8000	49.0	22.2	GOLDSMITH, NORTH	149I
DEVONIAN	8000		10.8	TXL (DEVONIAN)	495I
DEVONIAN	8013	28.8	22.2	GOLDSMITH, NORTH	A 171
DEVONIAN	8050	3.0	1.3	TXL	213AN
DEVONIAN	8450		2.2	WHEELER (DEVONIAN)	583I
DEVONIAN	9710		10.0	HARPER	97AC
DEVONIAN	10005		10.0	HARPER	125AD
DEVONIAN	11756	5.0	3.0	MAC-BORING	104AR
DEVONIAN	11770	.4	6.6	DORA ROBERTS	107AF
DEVONIAN	12000	1.0	5.0	HEADLEE, NORTH	172I
DEVONIAN	12083	.4	5.0	HEADLEE, NORTH	A1169
DEVONIAN	12210	.4	5.0	HEADLEE, N.	48AQ
DEVONIAN	12210		6.2	HEADLEE	119AK
ARITHMETIC AVERAGE	9749	14.8	7.7		
GEOMETRIC AVERAGE		4.6			
MEDIAN VALUE		5.0	10.0		
MODE		23.6	2.3		
IDEAL SPECIFIC FLOW RATE =	5.0 GPM/FT				
SILURIAN LOW-MID SERIES UNDIFFERENTIATED					
FUSSELMAN	7400	18.0	3.3	PENWELL	126AM
FUSSELMAN	7505		7.8	JORDAN, SOUTH	128AD
FUSSELMAN	7763	35.0	14.0	GOLDSMITH, WEST	116AK
FUSSELMAN	7763	28.0	10.0	GOLDSMITH	110AM
FUSSELMAN	8266	18.0	14.0	SONY H	124AS
FUSSELMAN	10898		8.0	HARPER	98AC
ARITHMETIC AVERAGE	8266	24.7	9.5		
GEOMETRIC AVERAGE		23.7			
MEDIAN VALUE		28.0	10.0		
MODE		18.6	8.1		
IDEAL SPECIFIC FLOW RATE =	3.2 GPM/FT				
SIMPSON GROUP					
MC KEE	7635	5.3	6.9	ANDECTOR	108AH
MC KEE	7810	6.5	7.5	ANDECTOR, NORTH	103AD
MC KEE	7905	5.0	12.0	ANDECTOR, WEST	95AF
MC KEE	8300	12.0	16.0	MARTIN	186AN

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
SIMPSON GROUP					
MC KEE	9200	4.0	13.8	TEX (MC KEE)	136AC
WADDELL	7535	4.0	10.0	TXL, NORTH	154AD
WADDELL	7835	4.3	7.3	ANDECTOR	106AG
WADDELL	7835	4.3	7.3	ANDECTOR	109AH
WADDELL	7900	5.0	12.0	ANDECTOR, WEST	96AF
WADDELL	8085	4.8	10.0	ANDECTOR, NORTH	104AD
WADDELL SANDSTONE	9350	2.0	16.0	TXL, CENTRAL	137AC
CONNELL	8830	20.0	13.0	JORDAN	95AS
CONNELL	12342		7.5	HARPER	126AD
ARITHMETIC AVERAGE	8505	6.4	10.7		
GEOMETRIC AVERAGE		5.4			
MEDIAN VALUE		5.0	10.0		
MODE		4.5	7.4		
IDEAL SPECIFIC FLOW RATE =	.9 GPM/FT				
ELLENBURGER GROUP					
ELLENBURGER	7800		4.6	ANDECTOR	152AN
ELLENBURGER	8480		3.8	ANDECTOR	2I
ELLENBURGER	8800		1.5	JORDAN	100AI
ELLENBURGER	9046	5.0	5.0	METZ, EAST	136AD
ELLENBURGER	9400		4.0	GOLDSMITH, WEST	115AK
ELLENBURGER	9495	12.0	2.3	GOLDSMITH	111AM
ELLENBURGER	9500	39.0	4.4	TXL (ELLENBURGER)	496I
ELLENBURGER	9500	12.0	4.0	GOLDSMITH, WEST	152I
ELLENBURGER	9600	7.3	4.5	TXL	214AN
ELLENBURGER	10490		1.4	YARBROUGH = ALLEN	224AN
ELLENBURGER	10490	28.0	1.4	YARBROUGH + ALLEN	61AP
ELLENBURGER	10490	28.0	1.4	YARBROUGH + ALLEN	53AQ
ELLENBURGER	10494	1.8	1.2	WHEELER	A0570
ELLENBURGER	11971		2.2	HARPER	99AC
ELLENBURGER	12395	10.6	1.7	YORK	138AS
ELLENBURGER	12436		6.0	HARPER	127AD
ELLENBURGER	12505		5.0	HARPER, SE	46AQ
ELLENBURGER	12758		1.8	CIRCLE BAR	83AC
ELLENBURGER	12758		1.8	CIRCLE BAR	115AD
ELLENBURGER	12883	3.8	2.5	COWDEN, SOUTH	78AS
ELLENBURGER	13000		2.0	HEADLEE	171AN
ELLENBURGER	13106	1.1	2.0	HEADLEE	222AL
ELLENBURGER	13340	40.0	2.0	HEADLEE	A 171
ELLENBURGER	13550	67.0	1.9	RATLIFF	125AC
13800 ELLENBURGER	13800	20.0	3.0	COWDEN, SOUTH	98AR
ARITHMETIC AVERAGE	11123	19.7	2.9		
GEOMETRIC AVERAGE		11.5			
MEDIAN VALUE		12.0	2.2		
MODE		10.8	1.9		
IDEAL SPECIFIC FLOW RATE =	2.9 GPM/FT				

T E X A S W A T E R D E V E L O P M E N T B O A R D
S A L I N E W A T E R R E S O U R C E S S U R V E Y

JUL 1971

O F T H E
S T A T E O F T E X A S
A Q U I F E R R O C K P R O P E R T I E S
E D W A R D S C O U N T Y

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
	TRINITY GROUP				
GLEN ROSE	244	58.0	29.0	WARDLAW	A 569
ARITHMETIC AVERAGE	244	58.0	29.0		
GEOMETRIC AVERAGE		58.0			
MEDIAN VALUE		58.0	29.0		
MODE		58.0	29.0		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD
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OF THE
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 ERATH COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
	BEND GROUP				
MARBLE FALLS CONGLO.	3240	.7	10.8	X-RAY	A 270
ARITHMETIC AVERAGE	3240	.7	10.8		
GEOMETRIC AVERAGE		.7			
MEDIAN VALUE		.7	10.8		
MODE		.7	10.8		
IDEAL SPECIFIC FLOW RATE =	.0 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD
 SALINE WATER RESOURCES SURVEY

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OF THE
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 FALLS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
	WASHITA GROUP				
BUDA	1388	1.0	18.0	LOTT	A 669
ARITHMETIC AVERAGE	1388	1.0	18.0		
GEOMETRIC AVERAGE		1.0	18.0		
MEDIAN VALUE		1.0	18.0		
MODE		1.0	18.0		
IDEAL SPECIFIC FLOW RATE =	.0 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD
SALINE WATER RESOURCES SURVEY

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OF THE
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AQUIFER ROCK PROPERTIES
FISHER COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCYES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOLFCAMP SERIES UNDIFFERENTIATED					
FLIPPEN	3100	15.0	8.0	ROYSTON	A1270
NOODLE CREEK	3700	178.0	10.0	ROUGH DRAW	104AA
NOODLE CREEK	3800	175.0	10.5	ROUGH DRAW	A1270
NOODLE CREEK	3816	1800.0	10.5	ROUGH DRAW	72AE
NOODLE CREEK	3816	59.0	12.0	ROUGH DRAW	77AF
NOODLE CREEK	3816	30.0	8.0	ROUGH DRAW	86AD
NOODLE CREEK	3886	75.0	15.0	BARBARA MOORE	60AE
NOODLE CREEK LIME	3900	178.0	10.5	ROUGH DRAW	67AC
FLIPPEN SAND	3950	57.0	18.4	ROTAN	84AD
NOODLE CREEK LIME	10317	178.0	10.5	ROUGH DRAW	A 569
ARITHMETIC AVERAGE	4410	274.5	11.3		
GEOMETRIC AVERAGE		107.3			
MEDIAN VALUE		175.0	10.5		
MODE		214.8	10.6		
IDEAL SPECIFIC FLOW RATE =	16.1 GPM/FT				
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENNSYLVANIAN	5800	2.5	10.0	BONNER	83AH
ARITHMETIC AVERAGE	5800	2.5	10.0		
GEOMETRIC AVERAGE		2.5			
MEDIAN VALUE		2.5	10.0		
MODE		2.5	10.0		
IDEAL SPECIFIC FLOW RATE =	.3 GPM/FT				
CISCO GROUP					
SWASTIKA	3750	689.0	19.4	PARDUE	111AN
SWASTIKA	3750	343.0	19.4	JUDY GAIL	192AL
SWASTIKA	3770	247.0	16.4	TOLAR	124AN
SWASTIKA	3781	186.0	18.2	NEWMAN	113AJ
SWASTIKA	3781	154.0	17.5	NEWMAN	205G
SWASTIKA (KING)	3800	18.4	15.0	LA PALOMA	A0570
CISCO	3800	173.0	18.1	ROBY, NORTH	115AJ
HOPE LIME	3800		12.0	ROTAN, EAST	66AC

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS

FISHER COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CISCO GROUP					
HOPE LIME	3801		12.0	ROTAN-EAST	67AR
KING SAND	3835		13.0	LA PALOMA	41AD
SWASTIKA	3846	200.0	20.0	ROUND TOP	A 671
UPPER HOPE LIME	3940		15.5	ROTAN	85AD
SWASTIKA	3984	425.0	17.2	ROUND TOP	80AK
SWASTIKA	3984	200.0	20.5	ROUND TOP SWASTIKA	234G
SWASTIKA	3984	100.0	18.0	ROUNDTOP, NORTHWEST	68AC
ARITHMETIC AVERAGE	3840	248.7	16.8		
GEOMETRIC AVERAGE		185.7			
MEDIAN VALUE		200.0	17.5		
MODE		197.1	18.4		
IDEAL SPECIFIC FLOW RATE =	12.1 GPM/FT				
CANYON GROUP					
CANYON SAND	4200	10.0	10.6	RAVEN CREEK	77AK
CANYON SAND	4200	5.0	13.9	RAVEN CREEK	224G
CANYON SAND	4225	22.0	14.5	TAYLOR	123AN
CANYON	4500	7.0	14.2	ROYSTON	121AN
CANYON SAND	4687	2.0	11.0	KEMP	52AS
PALO PINTO	4977	3.0	11.0	ROUND TOP	119AN
CANYON SAND	5120		12.0	CLAYTONVILLE	A 369
CANYON SAND	5150		14.8	SWEETWATER	197AL
CANYON SAND	5230	9.0	12.9	SWEETWATER	345G
CANYON LIME	5620	10.0	5.1	CLAYTONVILLE	A107D
CANYON LIME	5695	10.0	5.1	CLAYTONVILLE	65AR
CANYON LIME	5700	10.0	5.1	CLAYTONVILLE	81AD
CANYON LIME	5900	10.0	5.0	CLAYTONVILLE	74G
CANYON REEF	4417	80.0	14.7	ADAS	54AI
CANYON REEF	6112	4.0	6.0	OCHO JUAN	215G
CANYON REEF	6112		6.0	OCHO JUAN	54AS
CANYON REEF	6112	3.2	8.3	OCHO JUAN	114AJ
PALO PINTO (OIL)	4758		11.5	ROUND TOP	81AK
PALO PINTO REEF	4803	5.5	10.7	ROUND TOP	A 671
ARITHMETIC AVERAGE	5133	12.7	10.1		
GEOMETRIC AVERAGE		7.8			
MEDIAN VALUE		9.0	11.0		
MODE		10.7	14.3		
IDEAL SPECIFIC FLOW RATE =	1.0 GPM/FT				
STRAWN GROUP					
STRAWN	4980	8.0	14.6	RAVEN CREEK	79AK

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAWN GROUP					
STRAWN	5174		15.0	NOFISH	37AG
STRAWN REEF	4800	8.0	7.9	RAVEN CREEK	78AK
ARITHMETIC AVERAGE	4985	8.0	12.5		
GEOMETRIC AVERAGE		8.0			
MEDIAN VALUE		8.0	14.6		
MODE		8.0	14.6		
IDEAL SPECIFIC FLOW RATE =	.7 GPM/FT				
ELLENBURGER GROUP					
ELLENBURGER	5943	6.3	3.8	PARDUE	115AN
ELLENBURGER	5960	.8	5.5	PARDUE	A 571
ARITHMETIC AVERAGE	5951	3.5	4.6		
GEOMETRIC AVERAGE		2.2			
MEDIAN VALUE		6.3	5.5		
MODE		.9	3.9		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				

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AQUIFER ROCK PROPERTIES

FOARD COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOLFCAMP SERIES UNDIFFERENTIATED					
PERMIAN (JOHNSON SD)	2488	1.5	18.0	CHOATE	141AS
ARITHMETIC AVERAGE	2488	1.5	18.0		
GEOMETRIC AVERAGE		1.5			
MEDIAN VALUE		1.5	18.0		
MODE		1.5	18.0		
IDEAL SPECIFIC FLOW RATE =	.0 GPM/FT				
CISCO GROUP					
H SAND RESERVOIR	3766	2.5	13.0	CHOATE	142AS
CISCO DM	3800	2.5	13.0	CHOATE	A0870
K SAND RESERVOIR	3916	1.8	13.0	CHOATE	144AS
J SAND RESERVOIR	4800	.7	13.0	CHOATE	143AS
ARITHMETIC AVERAGE	4070	1.9	13.0		
GEOMETRIC AVERAGE		1.7			
MEDIAN VALUE		2.5	13.0		
MODE		2.4	13.0		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
DES MOINES SERIES UNDIFFERENTIATED					
DES MOINES	5750	2.3	8.0	CROWELL, NORTH	138AF
ARITHMETIC AVERAGE	5750	2.3	8.0		
GEOMETRIC AVERAGE		2.3			
MEDIAN VALUE		2.3	8.0		
MODE		2.3	8.0		
IDEAL SPECIFIC FLOW RATE =	.2 GPM/FT				

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FORT BEND COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
MIOCENE SERIES UNDIFFERENTIATED					
MIOCENE	3250	588.0	35.8	BLUE RIDGE	13C
LOWER CAPROCK SAND	3542	500.0	15.0	SUGARLAND	A 571
MIOCENE	3600	500.0	30.0	THOMPSON	22AH
MIOCENE	3781	800.0	30.0	THOMPSON, SOUTHWEST	41AI
MIOCENE (Y)	4400		25.0	THOMPSON SOUTH	71AL
ARITHMETIC AVERAGE	3715	597.0	27.2		
GEOMETRIC AVERAGE		585.6			
MEDIAN VALUE		588.0	30.0		
MODE		512.0	30.6		
IDEAL SPECIFIC FLOW RATE =	35.4 GPM/FT				
GUEYDAN-CATAHOULA GROUP					
FRIO SAND	3400	232.0	31.5	BOLING	A0271
FRIO	3400	900.0	29.0	SUGARLAND	84C
FRIO	5052	1000.0	34.0	THOMPSON, SOUTHEAST	24AJ
FRIO	5052	1100.0	34.0	THOMPSON, SOUTHEAST	40AI
UPPER FRIO	5238	1100.0	34.0	THOMPSON, SOUTHEAST	23AH
FRIO	5400	1600.0	25.0	THOMPSON	68AL
FRIO	5400		25.0	THOMPSON SOUTH	70AL
ARITHMETIC AVERAGE	470.6	990.2	30.4		
GEOMETRIC AVERAGE		860.7			
MEDIAN VALUE		1100.0	31.5		
MODE		996.1	33.6		
IDEAL SPECIFIC FLOW RATE =	97.8 GPM/FT				
VICKSBURG GROUP					
VICKSBURG	7596	3400.0	31.0	THOMPSON NORTH	A9AL
VICKSBURG	8033	3400.0	31.0	NORTH THOMPSON	A 669
ARITHMETIC AVERAGE	781.4	3400.0	31.0		
GEOMETRIC AVERAGE		3400.0			
MEDIAN VALUE		3400.0	31.0		
MODE		3400.0	31.0		
IDEAL SPECIFIC FLOW RATE =	816.8 GPM/FT				

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FORT BEND COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCTES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
	CLAIBORNE GROUP				
FIRST YEGUA	8230	200.0	22.0	BARB-MAG	9AK
ARITHMETIC AVERAGE	8230	200.0	22.0		
GEOMETRIC AVERAGE		200.0			
MEDIAN VALUE		200.0	22.0		
MODE		200.0	22.0		
IDEAL SPECIFIC FLOW RATE =	50.8 GPM/FT				

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FRANKLIN COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
FREDERICKSBURG (EDWARDS UNDIVIDED) GROUP					
TALCO PALUXY	4200	2500.0	25.0	TALCO	52F
TALCO PALUXY	4200	2500.0	25.0	TALCO	53F
TALCO PALUXY	4200	2500.0	25.0	TALCO	54F
PALUXY	4291	2460.0	25.0	TALCO	86AN
BANKHEAD PALUXY	7800	199.0	20.1	TYLER, WEST	56AC
ARITHMETIC AVERAGE	4938	2031.8	24.0		
GEOMETRIC AVERAGE		1502.2			
MEDIAN VALUE		2500.0	25.0		
MODE		2220.5	24.8		
IDEAL SPECIFIC FLOW RATE =	255.1 GPM/FT				
TRINITY GROUP					
BACON LIME	7330	379.0	18.9	NEW HOPE (BACON LIME)	38F
ARITHMETIC AVERAGE	7330	379.0	18.9		
GEOMETRIC AVERAGE		379.0			
MEDIAN VALUE		379.0	18.9		
MODE		379.0	18.9		
IDEAL SPECIFIC FLOW RATE =	87.0 GPM/FT				
SLIGO (PETTET) GROUP					
PETTET	7012	4.6	14.8	MT. VERNON	63AR
PITTSBURG SAND	7976	61.0		NEW HOPE	79AN
PITTSBURG	8150	20.0	11.9	W. A. MONCRIEF	57AC
PITTSBURG	8163	23.0	12.0	W. A. MONCRIEF	A 269
PITTSBURG SAND	8183	61.0	13.4	NEW HOPE	37F
PITTSBURG	8250	23.0	12.0	W. A. MONCRIEF	65F
ARITHMETIC AVERAGE	7956	32.1	12.8		
GEOMETRIC AVERAGE		23.8			
MEDIAN VALUE		23.0	12.0		
MODE		24.9	12.0		
IDEAL SPECIFIC FLOW RATE =	7.6 GPM/FT				

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FRANKLIN COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
JURASSIC UPPER SERIES UNDIFFERENTIATED					
SHACKOVER	13149	44.4	14.2	CHITSEY	3240
ARITHMETIC AVERAGE	13149	44.4	14.2		
GEOMETRIC AVERAGE		44.4			
MEDIAN VALUE		44.4	14.2		
MODE		44.4	14.2		
IDEAL SPECIFIC FLOW RATE =	30.1 GPM/FT				

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FREESTONE COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
NAVARRO GROUP					
NACATOOH	950	3000.0	35.0	REITER (950 FT)	12E
NACATOOH	1104	653.0	33.0	REITER	A0170
ARITHMETIC AVERAGE	1027	1826.5	34.0		
GEOMETRIC AVERAGE		1399.6			
MEDIAN VALUE		3000.0	35.0		
MODE		706.8	33.1		
IDEAL SPECIFIC FLOW RATE =	8.6 GPM/FT				
EAGLE FORD GROUP					
SUB-CLARKSVILLE	4592	382.0	18.1	NAN-SU-GAIL	A 270
ARITHMETIC AVERAGE	4592	382.0	18.1		
GEOMETRIC AVERAGE		382.0			
MEDIAN VALUE		382.0	18.1		
MODE		382.0	18.1		
IDEAL SPECIFIC FLOW RATE =	43.1 GPM/FT				

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FRIO COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
NAVARRO GROUP					
OLMOS B	3250	6.0	25.0	BIG FOOT	2A
OLMOS B	3300	3.0	23.0	BIG FOOT	1A
OLMOS A	3600	235.0	26.0	TOUCHSTONE E OLMOS A	51A
OLMOS [A] SAND	3600	23.0	24.9	TOUCHSTONE	2AJ
OLMOS [B] SAND	3640	2.0	26.0	BIG FOOT	A1070
OLMOS A	4124	129.0	26.3	PEARSALL OLMOS A	4AC
OLMOS B (NAVARRO)	5000	65.0	28.0	PRUITT	41A
UPPER OLMOS	5540		20.0	CHARLOTTE, S.W.	1A0
UPPER OLMOS	5546	77.0	22.6	CHARLOTTE, SOUTHWEST	A 869
ARITHMETIC AVERAGE	4178	67.5	24.6		
GEOMETRIC AVERAGE		24.4			
MEDIAN VALUE		65.0	25.0		
MODE		2.6	26.0		
IDEAL SPECIFIC FLOW RATE =	.2 GPM/FT				

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GAINES COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
PERMIAN SYSTEM UNDIFFERENTIATED					
PERMIAN	4735	12.0	16.7	CEDAR LAKE	A 770
ARITHMETIC AVERAGE	4735	12.0	16.7		
GEOMETRIC AVERAGE		12.0			
MEDIAN VALUE		12.0	16.7		
MODE		12.0	16.7		
IDEAL SPECIFIC FLOW RATE =	.8 GPM/FT				
WHITEHORSE GROUP					
QUEEN SAND	4200	22.0	12.0	MEANS NORTH	77J
QUEEN	4200	2.7	11.5	HARRIS	114AF
QUEEN SAND	4300	51.0	15.9	MEANS NORTH	122AK
QUEEN	4350	20.0	12.0	MEANS NORTH (QUEEN)	353I
ARITHMETIC AVERAGE	4262	23.9	12.8		
GEOMETRIC AVERAGE		15.7			
MEDIAN VALUE		22.0	12.0		
MODE		3.2	12.2		
IDEAL SPECIFIC FLOW RATE =	.2 GPM/FT				
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES	4700		9.0	JENKINS	117AF
SAN ANDRES	4700		12.0	ROBERTSON	119AR
SAN ANDRES	4700	3.0	9.0	CEDAR LAKE	17I
SAN ANDRES	4800	10.0	8.0	RUSSELL, SOUTH	129AC
SAN ANDRES	4800	3.5	14.0	CEDAR LAKE	17J
SAN ANDRES	4827	10.0	13.0	ADAIR	3J
SAN ANDRES	4900	811.0	12.1	RUSSELL	161AJ
SAN ANDRES	4950	1.5	6.5	GEORGE ALLEN	127AG
SAN ANDRES	5032	31.2	15.2	SEMINOLE	62AQ
SAN ANDRES	5032	22.0	13.6	SEMINOLE, WEST	236AL
SAN ANDRES	5050	48.0	15.2	SEMINOLE, WEST	204AN
SAN ANDRES	5100	31.2	13.2	SEMINOLE	A1070
SAN ANDRES	5100	31.2	13.2	SEMINOLE SAN ANDRES	A1070
SAN ANDRES	5100	31.2	13.2	SEMINOLE	A1170

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES	5100	5.0	10.0	WASSON	171J
SAN ANDRES	5112	20.8	13.9	SEMINOLE, WEST	A1170
SAN ANDRES	5112	20.8	13.9	SEMINOLE, WEST	98J
SAN ANDRES	5166	20.8	14.0	SEMINOLE, WEST	A0171
SAN ANDRES	5170	31.2	13.2	SEMINOLE SAN ANDRES	A 369
SAN ANDRES	5171	31.2	13.2	SEMINOLE SAN ANDRES	A 669
SAN ANDRES	5171	31.2	13.2	SEMINOLE	A 769
SAN ANDRES	5171	20.8	14.0	SEMINOLE, WEST	A 770
SAN ANDRES	5200	19.0	11.3	SEMINOLE	127AF
SAN ANDRES	5200	19.0	11.3	SEMINOLE	203AN
SAN ANDRES	5204	5.7	11.2	CARTER-NEW MEXICO	79AI
SAN ANDRES	5250	6.4	9.2	SEMINOLE, SOUTHEAST	134AC
SAN ANDRES	5400	2.2	7.4	ODC	A0271
SAN ANDRES	5400	21.0	9.0	O. D. C.	111AI
SAN ANDRES	5450	9.5	7.4	SEMINOLE, EAST	139AG
SAN ANDRES	5467	3.0	9.6	GNK	22AA
5500 SAN ANDRES	5508	9.4	7.5	BALE	111AR
SAN ANDRES	5598	3.0	9.6	G. M. K.	126AH
GLORIETA	5900	5.0	8.0	HARRIS	96AI
GLORIETA	6025	16.0	7.0	BROWN	A1169
GLORIETA	6080	16.0	7.0	BROWN	4AA
GLORIETA	6172	20.0	5.9	BROWN	155AN
GLORIETA	6200	16.0	7.0	BROWN	12J
GLORIETA	6240	1.5	5.8	ROBERTSON	A0170
GLORIETA	6300	5.0	8.0	ROBERTSON	115AI
SAN ANGELO	6500		8.0	SEMINOLE	150AD
ARITHMETIC AVERAGE	5327	37.7	10.6		
GEOMETRIC AVERAGE		12.6			
MEDIAN VALUE		16.0	11.2		
MODE		26.7	12.9		
IDEAL SPECIFIC FLOW RATE =	2.0 GPM/FT				
LEONARD (SUB-DIVIDED) SERIES UNDIFFERENTIATED					
CLEARFORK	1100	.1	8.5	FLANAGAN	33J
UPPER CLEARFORK	2350	63.0	7.7	WESTLUND	222AN
UPPER CLEARFORK	6000	9.2	9.3	RUSSELL	200AN
CLEARFORK	6260	19.0	6.8	ROBERTSON, NORTH	A0870
UPPER CLEARFORK	6260	1.5	4.4	ROBERTSON	90J
UPPER CLEARFORK	6395	3.0	8.5	FLANAGAN	A 669
CLEARFORK, UPPER	6500	6.4	12.7	FLANAGAN	34J
6600 FT.	6600	5.4	7.4	RUSSELL, NORTH	94AE
UPPER CLEARFORK	6886	12.0	6.7	NORTH RILEY	102AA
66 ZONE	6900	10.5	7.1	WASSON	123AI
LOWER CLEARFORK	6970	19.0	6.8	ROBERTSON, NORTH	91J

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LEONARD (SUB-DIVIDED) SERIES UNDIFFERENTIATED					
CLEARFORK	7000	12.0	6.7	RILEY, NORTH	197AN
CLEARFORK	7000	10.5	4.1	RUSSELL	199AN
CLEARFORK	7100	12.0	11.0	ROBERTSON, NORTH	129AK
CLEARFORK	7114	12.0	11.0	NORTH ROBERTSON	103AA
CLEARFORK	7117	6.0	12.7	FLANAGAN	A 669
72 ZONE	7200	11.3	8.3	WASSON	124AI
CLEARFORK	8290	.6	3.5	TEX-PAC	150AH
WICHITA ALBANY, LOWER	7954	11.0	7.3	WASSON, SOUTH	65AQ
WICHITA-ALBANY	8050	79.0	4.5	BROWN	91AE
ARITHMETIC AVERAGE	6452	15.2	7.7		
GEOMETRIC AVERAGE		7.4			
MEDIAN VALUE		11.0	7.4		
MODE		15.7	6.7		
IDEAL SPECIFIC FLOW RATE =	1.5 GPM/FT				
WICHITA GROUP					
WICHITA-ALBANY	7700		8.2	WESSON, SOUTH	139AC
WICHITA ALBANY	8080	79.0	4.5	BROWN	5AA
ARITHMETIC AVERAGE	7890	79.0	6.3		
GEOMETRIC AVERAGE		79.0			
MEDIAN VALUE		79.0	8.2		
MODE		79.0	4.7		
IDEAL SPECIFIC FLOW RATE =	10.3 GPM/FT				
LEONARD (UNDIVIDED) SERIES UNDIFFERENTIATED					
LEONARD	8800	9.0	7.0	SEMINOLE, WEST	97AE
ARITHMETIC AVERAGE	8800	9.0	7.0		
GEOMETRIC AVERAGE		9.0			
MEDIAN VALUE		9.0	7.0		
MODE		9.0	7.0		
IDEAL SPECIFIC FLOW RATE =	1.4 GPM/FT				
WOLFCAMP SERIES UNDIFFERENTIATED					
WOLFCAMP	8500	28.0	12.4	ADAIR	75AI
WOLFCAMP	8500	28.0	12.4	ADAIR	100AK
WOLFCAMP	8550	1.2	6.0	WASSON	125AI

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GAINES COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOLFCAMP SERIES UNDIFFERENTIATED					
WOLFCAMP	9075	2700.0	15.0	SEMINOLE	130AC
WOLFCAMP LIME	9120		7.6	SEMINOLE	121AS
WOLFCAMP	9120	2700.0	15.0	SEMINOLE	151AD
WOLFCAMP	9170			SEMINOLE, SOUTH	96AE
WOLFCAMP	9195	49.0	12.8	D. E. B.	105AF
WOLFCAMP	9200	9.3	11.0	BOTTENFIELD	78AI
WOLFCAMP	9200	9.3	11.0	BOTTENFIELD	88AE
WOLFCAMP	9242	28.0	11.9	TOBY-JO	98AE
WOLFCAMP B ZONE	9400		9.6	D. E. B.	106AF
WOLFCAMP	9806	1.0	4.5	HUAT	31AA
WOLFCAMP	10196		10.0	HUAT, EAST	106AC
WOLFCAMP FB=2	9075	40.0	10.0	SEMINOLE, WEST	A0171
WOLFCAMP	9132	575.0	8.0	SEMINOLE WOLF	A 770
ARITHMETIC AVERAGE	9155	514.1	10.5		
GEOMETRIC AVERAGE		40.4			
MEDIAN VALUE		28.0	11.0		
MODE		37.8	12.4		
IDEAL SPECIFIC FLOW RATE =	6.0 GPM/FT				
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENNSYLVANIAN	10410	5.0	9.0	SEMINOLE, SOUTHWEST	152AD
ARITHMETIC AVERAGE	10410	5.0	9.0		
GEOMETRIC AVERAGE		5.0			
MEDIAN VALUE		5.0	9.0		
MODE		5.0	9.0		
IDEAL SPECIFIC FLOW RATE =	1.0 GPM/FT				
CANYON GROUP					
CANYON	8985	10.4	8.1	ROBERTSON, NORTH	141AH
CANYON	10470	84.0	7.5	HUAT	81AE
CANYON	10470	61.0	6.7	HUAT	105AC
CANYON	10512	61.0	6.7	HUAT	32AA
ARITHMETIC AVERAGE	10109	54.1	7.2		
GEOMETRIC AVERAGE		42.5			
MEDIAN VALUE		61.0	7.5		
MODE		61.7	6.8		
IDEAL SPECIFIC FLOW RATE =	11.4 GPM/FT				

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GAINES COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAWN GROUP					
STRAWN	10962		13.0	AMROW	110AR
LOWER STRAWN	11000	35.0	8.5	WESCOTT	133AK
STRAWN	11243	29.0	12.0	SEAGRAVES	162AJ
STRAWN	11250	29.0	12.0	SEAGRAVES	117AI
STRAWN	11264	13.7	12.0	SEAGRAVES	97J
ARITHMETIC AVERAGE	11144	26.7	11.5		
GEOMETRIC AVERAGE		25.2			
MEDIAN VALUE		29.0	12.0		
MODE		27.7	11.9		
IDEAL SPECIFIC FLOW RATE =	5.9 GPM/FT				
MISSISSIPPIAN SYSTEM UNDIFFERENTIATED					
MISSISSIPPIAN	11886	24.0	10.0	WEST COTT	141AC
ARITHMETIC AVERAGE	11886	24.0	10.0		
GEOMETRIC AVERAGE		24.0			
MEDIAN VALUE		24.0	10.0		
MODE		24.0	10.0		
IDEAL SPECIFIC FLOW RATE =	5.6 GPM/FT				
DEVONIAN SYSTEM UNDIFFERENTIATED					
DEVONIAN FB_2	10554	100.0	13.0	SEMINOLE, WEST	140AG
DEVONIAN	11000	64.4	6.6	RUSSELL, NORTH	A 571
DEVONIAN	11050	141.0	6.1	RUSSELL, NORTH	138AG
DEVONIAN	11125	52.0	9.0	RUSSELL, NORTH	201AN
DEVONIAN	11220	83.0	4.0	RUSSELL, SW	115AS
DEVONIAN FB 11	11300	75.0	6.3	SEMINOLE, NORTHWEST	132AC
DEVONIAN	11500	77.0	5.5	SEMINOLE, NORTHWEST	131AC
DEVONIAN	11500	10.0	6.2	SEMINOLE, SOUTHWEST	133AC
DEVONIAN	11628		2.7	JONES RANCH	173AN
DEVONIAN	11950	7.0	3.7	O. D. C.	110AI
DEVONIAN	12180	68.0	11.0	NORMAN	A0870
DEVONIAN	12200		8.0	NORMAN	140AD
DEVONIAN	12285		6.5	TEX-SUN	135AC
DEVONIAN	12360	54.0	6.1	WESCOTT	127AR
DEVONIAN	12360	54.0	6.1	WEST COTT	142AC
DEVONIAN	12500	81.0	4.1	AMROW	211AL
DEVONIAN	12577	100.0	8.0	TRIPP	121AR
DEVONIAN	12628	32.0	3.9	AMROW	101AH
DEVONIAN	12628	100.0	4.0	AMROW	109AR
DEVONIAN	13730	2724.0	7.5	U.T.P.	A0271
ARITHMETIC AVERAGE	11914	224.8	6.2		
GEOMETRIC AVERAGE		69.8			
MEDIAN VALUE		75.0	6.1		
MODE		59.0	6.3		
IDEAL SPECIFIC FLOW RATE =	13.4 GPM/FT				

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GALVESTON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
MIOCENE SERIES UNDIFFERENTIATED					
SANDERS	6649	7758.0	26.0	CAPLEN BL-1, RES-5A	22AS
MIOCENE E SAND	7567	150.0	27.0	FEDERAL BLOCK 288	23AR
MIOCENE F SAND	7934	150.0	27.0	FEDERAL BLOCK 288	24AR
ARITHMETIC AVERAGE	7383	2686.0	26.7		
GEOMETRIC AVERAGE		558.9			
MEDIAN VALUE		150.0	27.0		
MODE		186.3	27.0		
IDEAL SPECIFIC FLOW RATE =	38.5 GPH/FT				
OLIGOCENE SERIES UNDIFFERENTIATED					
BLOCK V=RESERVOIR 10	7555	1000.0	30.0	CAPLEN	30AL
ARITHMETIC AVERAGE	7555	1000.0	30.0		
GEOMETRIC AVERAGE		1000.0			
MEDIAN VALUE		1000.0	30.0		
MODE		1000.0	30.0		
IDEAL SPECIFIC FLOW RATE =	210.5 GPH/FT				
GUEYDAN=CATAHOULA GROUP					
MARG	7960	167.0	26.8	ALGOA	10AO
FRIO 18	7953	382.0	27.8	DICKINSON	16AG
FRIO 18	7953	382.0	27.8	DICKINSON	11AP
FRIO 1-A	8400	700.0	28.0	GILLOCK	32C
FRIO 13-B	8750	1500.0	21.0	FISHERS REEF	17AF
BIG GAS SAND	8800	1000.0	28.0	GILLOCK	15AJ
FRIO SAND	8800	700.0	28.0	GILLOCK	15AK
BIG GAS SAND (FRIO)	8800	1470.0	28.0	GILLOCK	53AL
8900 FT. SAND	8870	250.0	30.8	ALGOA ORCHARD	17AF
8900 FT. SAND	8900	202.0	31.0	FRANKS, NORTHWEST	30AD
8900 FT	8900	250.0	30.8	ALGOA ORCHARD	14AE
8900 FT SAND	8900	4000.0	28.0	FRANKS (9000 SAND)	31C
FRIO 15	8915	1500.0	28.0	FISHERS REEF	18AG
8900 FT. SAND (FRIO)	8935	4000.0	28.0	FRANKS	A 171
BIG GAS SAND	9000	600.0	23.0	GILLOCK SOUTH	33C

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GALVESTON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUEYDAN-CATAHOULA GROUP					
NW5-B-1 LOWER SAND	9000	213.0	30.6	HIGH ISLAND	35C
FRIO 15	9140	542.0	28.7	DICKINSON	14AG
FRIO	9140	542.0	28.7	DICKINSON	13AK
FRIO 15	9140	542.0	28.7	DICKINSON	8AP
FRIO 17	9140	451.0	29.4	DICKINSON	10AP
FRIO, DEEP	9140	542.0	28.7	DICKINSON	17AI
FRIO	9225	95.0	29.0	SARAH WHITE	24AG
9225 FRIO	9300		29.0	SARA WHITE	74C
EAST SEGMENT	9365	1330.0	29.0	GILLOCK	10AQ
BIG GAS SAND (FRIO)	9365	260.0	32.0	GILLOCK, EAST SEG.	54AL
FRIO 16	9836	1814.0	28.7	DICKINSON	9AP
FRIO-15	11392	387.0	27.0	RED FISH REEF	32AF
ARITHMETIC AVERAGE	8999	916.2	28.3		
GEOMETRIC AVERAGE		585.8			
MEDIAN VALUE		542.0	28.7		
MODE		520.3	28.2		
IDEAL SPECIFIC FLOW RATE =	149.3	GPM/FT			

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES, DOLOMITE	1846	.4	18.3	DORWARD	31J
SAN ANDRES	2105	3.6	23.6	ROCKER A	A1269
SAN ANDRES	2410	4.0	23.6	ROCKER A	61AA
SAN ANDRES	2422	2.0	22.1	ROCKER A	145AD
SAN ANDRES	2436	.8	19.5	ROCKER [A] SOUTH	A 469
SAN ANDRES	2442	.8	19.5	ROCKER A SOUTH	A 370
SAN ANDRES	2485	4.2	24.7	ROCKER A	92J
SAN ANDRES	2488	8.1	15.0	HUNTLEY, EAST	148AJ
SAN ANDRES	2798	4.1	21.4	GARZA	A 769
SAN ANDRES	2800	4.1	21.4	GARZA	A0271
SAN ANDRES	2800	4.1	20.0	GARZA	A0371
SAN ANDRES	2800	4.1	21.4	GARZA	35J
SAN ANDRES	2800	4.1	21.4	GARZA	37J
SAN ANDRES	2875	3.9	21.4	GARZA	38J
SAN ANDRES [A]	2896	4.1	21.4	GARZA	A0371
SAN ANDRES A	2896	4.1	21.4	GARZA	A0870
SAN ANDRES	2920	4.0	21.4	GARZA	A 569
SAN ANDRES	2980	21.0	14.5	ARLENE	112AG
SAN ANDRES	3000	4.0	21.0	GARZA	36J
SAN ANDRES	3095	12.0	25.0	GARZA SAN ANDRES	A 469
SAN ANDRES	3100	8.0	15.0	E. HUNTLEY	A 269
SAN ANDRES, C	3255	7.6	17.7	GARZA	115AR
3400 FT. (SAN ANDRES)	3366	6.2	18.5	HUNTLEY	A 471
SAN ANDRES	3445	6.2	23.2	THREE WAY	144AG
SAN ANDRES E	3465	38.6	20.8	GARZA	57AG
SAN ANDRES	3512		18.7	P.H.D.	A 369
SAN ANGELO	1875	1.0	19.0	DORWARD	28J
GLORIETA	2455	2.9	17.0	DORWARD	30J
SAN ANGELO	2456	3.0	18.5	DORWARD	29J
GLORIETA	2470	.5	15.0	POST	81J
GLORIETA	2480	2.3	14.7	JUSTICEBURG	128AG
GLORIETA	2500	1.5	15.0	POST	84J
GLORIETA	2510	5.5	18.4	JUSTICEBURG	A 569
GLORIETA	2525	5.5	18.4	JUSTICEBURG	47J
GLORIETA	2540	5.5	18.4	JUSTICEBURG	A 569
GLORIETA	2610	3.0	20.0	POST GLORIETA	A 869
GLORIETA	2650	1.8	11.2	POST	82J
GLORIETA	2666	.1	11.2	O. S. RANCH	112AI
GLORIETA	2755	8.0	10.0	POST GLORIETA	A 469
GLORIETA	2765	8.0	20.0	POST GLORIETA	A 369
GLORIETA	3000	67.0	15.8	ROCKER A, SOUTH	160AJ

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GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
GLORIETA	3015	5.0	13.2	ROCKER A	62AA
GLORIETA	3052	17.0	14.3	ARLENE	113AG
GLORIETA	3082	5.0	13.2	ROCKER A	146AD
GLORIETA	3482	20.0	13.0	GARZA EAST	A 869
ZONE Z-1	3613	24.8	17.4	GARZA	113AR
GLORIETA	3665	15.0	18.0	SIMS GLORIETA	A 769
ZONE Z-5	3692	50.9	19.4	GARZA	114AR
GLORIETA	3725	6.6	9.4	GARZA	146AJ
GLORIETA	3933	2.0	12.0	HUNTLEY	44J
GLORIETTA	4020	81.0	16.0	HUNTLEY	114AH
GLORIETA	4275	25.0	13.6	PHD	80J
SAN ANGELO =GLORIETA	2465	3.0	18.0	DORWARD	A 369
SAN ANGELO	2525	3.0	15.0	DORWARD	A 369
ARITHMETIC AVERAGE	2893	10.2	17.9		
GEOMETRIC AVERAGE		4.8			
MEDIAN VALUE		4.1	18.4		
MODE		4.2	18.0		
IDEAL SPECIFIC FLOW RATE =	.2 GPM/FT				
LEONARD (SUB-DIVIDED) SERIES UNDIFFERENTIATED					
CLEAR FORK	3220	165.0	14.0	ROCKER A	63AA
CLEARFORK	3236	165.0	14.0	ROCKER A	142AH
ARITHMETIC AVERAGE	3228	165.0	14.0		
GEOMETRIC AVERAGE		165.0			
MEDIAN VALUE		165.0	14.0		
MODE		165.0	14.0		
IDEAL SPECIFIC FLOW RATE =	7.4 GPM/FT				
LEONARD (UNDIVIDED) SERIES UNDIFFERENTIATED					
SPRABERRY	4916	51.0	24.0	CAIN	115AG
ARITHMETIC AVERAGE	4916	51.0	24.0		
GEOMETRIC AVERAGE		51.0			
MEDIAN VALUE		51.0	24.0		
MODE		51.0	24.0		
IDEAL SPECIFIC FLOW RATE =	4.1 GPM/FT				
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENNSYLVANIAN	8100	28.0	9.0	TEAS	149AH

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENNSYLVANIAN	8100	28.0	9.0	TEAS	128AF
ARITHMETIC AVERAGE	8100	28.0	9.0		
GEOMETRIC AVERAGE		28.0			
MEDIAN VALUE		28.0	9.0		
MODE		28.0	9.0		
IDEAL SPECIFIC FLOW RATE =	4.7 GPM/FT				
STRAWN GROUP					
STRAWN	7652		8.0	CAIN	116AG
STRAWN	7751	40.0	7.0	GORDON SIMPSON	99AE
STRAWN	7951		9.0	HAPPY	129AH
STRAWN	7951	30.0	9.0	HAPPY	113AF
ARITHMETIC AVERAGE	7826	35.0	8.3		
GEOMETRIC AVERAGE		34.6			
MEDIAN VALUE		40.0	9.0		
MODE		30.4	8.9		
IDEAL SPECIFIC FLOW RATE =	4.9 GPM/FT				
ELLENBURGER GROUP					
ELLENBURGER DOLOMITE	8300	24.0	4.6	HAPPY	128AH
ELLENBURGER	8396	20.0	4.6	TEAS	148AH
ARITHMETIC AVERAGE	8348	22.0	4.6		
GEOMETRIC AVERAGE		21.9			
MEDIAN VALUE		24.0	4.6		
MODE		20.2	4.6		
IDEAL SPECIFIC FLOW RATE =	3.5 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WHITEHORSE GROUP					
YATES	1238	100.0	24.8	HOWARD=GLASSCOCK	A 369
1300 YATES SAND	1300	38.0	20.0	HOWARD=GLASSCOCK	210I
QUEEN SAND	1710	205.0	20.0	FOULS CREEK QUEEN	A1270
QUEEN SAND	1750	34.0	18.0	HOWARD=GLASSCOCK	A0371
1800 QUEEN SAND	1800	45.0	19.3	HOWARD=GLASSCOCK	209I
GRAYBURG=SAN ANDRES	2200	30.0	20.0	HOWARD GLASSCOCK	A0371
GRAYBURG =SAN ANDRES	2250	17.0	11.2	HOWARD =GLASSCOCK	A 469
ARITHMETIC AVERAGE	1750	67.0	19.0		
GEOMETRIC AVERAGE		48.2			
MEDIAN VALUE		38.0	20.0		
MODE		31.9	20.0		
IDEAL SPECIFIC FLOW RATE =	0.6 GPM/FT				
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES	2140	50.0	15.0	HOWARD=GLASSCOCK	A0570
UPPER SAN ANDRES	2320	24.0	11.9	MC DOWELL	113AC
SAN ANDRES	2341	23.9	11.9	MCDOWELL	99AS
UPPER SAN ANDRES	2341	126.0	10.2	MC DOWELL	105AR
MIDDLE SAN ANDRES	2397	26.0	11.9	MCDOWELL	100AS
MIDDLE SAN ANDRES	2397	16.2	11.3	MC DOWELL	106AR
LOWER SAN ANDRES	2401	30.5	11.5	MCDOWELL	101AS
LOWER SAN ANDRES	2401	7.4	9.9	MC DOWELL	107AR
ARITHMETIC AVERAGE	2342	38.0	11.7		
GEOMETRIC AVERAGE		27.7			
MEDIAN VALUE		26.0	11.9		
MODE		26.8	11.7		
IDEAL SPECIFIC FLOW RATE =	0.8 GPM/FT				
LEONARD (UNDIVIDED) SERIES UNDIFFERENTIATED					
UPPER SPRABERRY	6800	1.0	12.0	SPRABERRY (Trend)	479I
ARITHMETIC AVERAGE	5800	1.0	12.0		
GEOMETRIC AVERAGE		1.0			
MEDIAN VALUE		1.0	12.0		
MODE		1.0	12.0		
IDEAL SPECIFIC FLOW RATE =	0.1 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOLFCAMP SERIES UNDIFFERENTIATED					
LOWER WOLFCAMP	9700	125.0	4.3	GORDON STREET, SOUTH	123AD
ARITHMETIC AVERAGE	9700	125.0	4.3		
GEOMETRIC AVERAGE		125.0			
MEDIAN VALUE		125.0	4.3		
MODE		125.0	4.3		
IDEAL SPECIFIC FLOW RATE =	28.3 GPM/FT				

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GOLIAD COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUEYDAN-CATAHOULA GROUP					
FRIO	2080	393.0	32.9	BERCLAIR, NORTH BERCLAIR	3A0
FRIO 2200 FT	2200	634.0	34.0		3B
ARITHMETIC AVERAGE	214.0	813.5	33.5		
GEOMETRIC AVERAGE		793.4			
MEDIAN VALUE		393.0	34.0		
MODE		640.5	33.0		
IDEAL SPECIFIC FLOW RATE =	20.5 GPM/FT				
VICKSBURG GROUP					
VICKSBURG	3150	1000.0	36.0	BERCLAIR	6AM
ARITHMETIC AVERAGE	3150	1000.0	36.0		
GEOMETRIC AVERAGE		1000.0			
MEDIAN VALUE		1000.0	36.0		
MODE		1000.0	36.0		
IDEAL SPECIFIC FLOW RATE =	57.2 GPM/FT				
CLAIBORNE GROUP					
PETTUS	4110	1200.0	28.0	BARVO (PETTUS) MELROSE EAST	2B
COOK MOUNTAIN	5110	52.8	23.0		14AR
ARITHMETIC AVERAGE	4610	626.4	25.5		
GEOMETRIC AVERAGE		251.7			
MEDIAN VALUE		1200.0	28.0		
MODE		62.5	23.3		
IDEAL SPECIFIC FLOW RATE =	6.3 GPM/FT				
WILCOX GROUP					
LULING SAND (WILCOX)	7303	216.0	17.5	BOYCE (LULING) CABEZA CREEK (SLICK) CABEZA CREEK	A 370
SLICK	7571	224.0	21.3		8B
SLICK SAND	7571	224.0	21.3		9AM

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WILCOX GROUP					
SLICK SAND	7571	228.0	21.3	CABEZA CREEK	4AE
SLICK	7600	346.0	21.0	BOYCE	5B
9400 FOOT	9400	12.0	20.0	DALLAS HUSKY (9400)	15B
ARITHMETIC AVERAGE	7836	209.7	20.4		
GEOMETRIC AVERAGE		148.3			
MEDIAN VALUE		228.0	21.3		
MODE		211.9	21.1		
IDEAL SPECIFIC FLOW RATE =	55.8 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOLFCAMP SERIES UNDIFFERENTIATED					
BROWN DOLOMITE	1200	10.0	12.0	PANHANDLE GRAY CO.	38L
BROWN DOLOMITE	2400	15.0	15.0	PANHANDLE GRAY CO.	51L
BROWN DOLOMITE	2650	10.0	15.0	PANHANDLE GRAY CO.	50L
DOLOMITE (WOLFCAMP)	2800	10.0	15.0	PANHANDLE GRAY CO.	56L
DOLOMITE	2800	10.0	15.0	PANHANDLE GRAY CO.	22L
BROWN DOLOMITE	2600	10.0	14.0	PANHANDLE GRAY CO.	54L
DOLOMITE (WOLFCAMP)	2800	10.0	15.0	PANHANDLE GRAY CO.	55L
BROWN DOLOMITE	2850	10.0	15.0	PANHANDLE GRAY CO.	49L
BROWN DOLOMITE	2900	28.0	15.0	PANHANDLE GRAY CO.	A0170
BROWN DOLOMITE	2900	8.5	13.0	PANHANDLE GRAY CO.	57L
BROWN DOLOMITE	2900	13.0	14.9	PANHANDLE GRAY CO.	35L
BROWN DOLOMITE	2900	14.8	14.6	PANHANDLE GRAY CO.	36L
DOLOMITE	2900	10.0	16.0	PANHANDLE GRAY CO.	41L
DOLOMITE	2900	15.0	15.0	PANHANDLE GRAY CO.	43L
WOLFCAMP BROWN DOLO.	2933	59.0	14.5	PANHANDLE	A 869
BROWN DOLOMITE	2970	6.7	18.7	PANHANDLE (GRAY CO.)	A 369
WOLFCAMP	3000	20.0	15.0	PANHANDLE GRAY CO.	21L
BROWN DOLOMITE	3000	15.0	15.0	PANHANDLE GRAY CO.	24L
BROWN DOLOMITE	3000	20.0	17.5	PANHANDLE GRAY CO.	25L
BROWN DOLOMITE	3000	15.0	15.0	PANHANDLE GRAY CO.	26L
BROWN DOLOMITE	3000	37.1	15.0	PANHANDLE GRAY CO.	37L
BROWN DOLOMITE	3000		5.0	PANHANDLE GRAY CO.	40L
DOLOMITE	3060	20.0	11.6	PANHANDLE GRAY CO.	18L
BROWN DOLOMITE	3070	47.0	13.5	PANHANDLE	A1169
BROWN DOLOMITE	3100	25.0	14.0	PANHANDLE GRAY CO.	A0570
DOLOMITE	3125	20.0	14.0	PANHANDLE GRAY CO.	20L
DOLOMITE	3130	20.0	14.0	PANHANDLE GRAY CO.	19L
DOLOMITE	3150	82.0	18.0	PANHANDLE GRAY CO.	A1270
BROWN DOLOMITE	3175	6.7	15.0	PANHANDLE	A1170
PANHANDLE (W. PANHA)	3200	10.0	12.0	PANHANDLE GRAY CO.	65L
BROWN DOLOMITE	3200	10.0	12.0	PANHANDLE GRAY CO.	39L
BROWN DOLOMITE	3290	7.5	15.0	PANHANDLE	A0271
DOLOMITE	4200	82.0	18.0	PANHANDLE GRAY CO.	42L
WOLFCAMP DOLOMITE	2950	10.3	17.1	PANHANDLE GRAY CO.	A1070
ARITHMETIC AVERAGE	2949	20.8	14.5		
GEOMETRIC AVERAGE		15.9			
MEDIAN VALUE		14.8	15.0		
MODE		9.8	15.3		
IDEAL SPECIFIC FLOW RATE =		.6 GPM/FT			

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GRAY COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
GRANITE WASH	2800	130.0	15.0	PANHANDLE, GRAY	A1070
GRANITE WASH	2900	15.0	14.0	PANHANDLE GRAY CO.	52L
GRANITE WASH	2900	15.0	14.0	PANHANDLE GRAY CO.	53L
GRANITE WASH	2965	50.0	15.0	PANHANDLE -GRAY	A 370
GRANITE WASH	3000	47.0	19.0	PANHANDLE-GRAY	A0870
GRANITE WASH	7710	200.0	16.7	LAKETON	1AB
ARITHMETIC AVERAGE	3712	76.2	15.6		
GEOMETRIC AVERAGE		48.9			
MEDIAN VALUE		50.0	15.0		
MODE		17.2	14.3		
IDEAL SPECIFIC FLOW RATE =	.9 GPM/FT				
MISSOURI SERIES UNDIFFERENTIATED					
MISSOURI, LOWER	7843	33.0	11.7	THORNDIKE	78AC
ARITHMETIC AVERAGE	7843	33.0	11.7		
GEOMETRIC AVERAGE		33.0			
MEDIAN VALUE		33.0	11.7		
MODE		33.0	11.7		
IDEAL SPECIFIC FLOW RATE =	5.5 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENNSYLVANIAN	6400	115.0	17.6	SANDUSKY, WEST	683K
PENNSYLVANIAN SAND	6900	28.2	13.8	SADLER	679K
PENNSYLVANIAN	6912	28.0	13.8	SADLER PENN	A 369
PENNSYLVANIAN	6913	28.0	13.8	SADLER	A 769
PENNSYLVANIAN	7000	33.0	14.0	SADLER	181AM
7500 FT. SAND PENN.	7505	5.9	12.4	SHERMAN	A0870
7500 FT. SAND PENN.	7505	5.9	12.4	SHERMAN	A0570
EAST FB-V	8220	5.0	13.0	BIG MINERAL, SE	151AG
18900 FT. PENN.	8890	72.0	12.0	SHERMAN	A0470
8900 FT. PENN.	8890	72.0	12.0	SHERMAN	A0570
8900 FT. PENN.	8890	72.0	12.0	SHERMAN	A0870
8900 FT. PENN.	8890	72.0	12.0	SHERMAN	A1170
PENNSYLVANIAN	8900		11.0	SHERMAN	147AF
9300 FT. LOWER PENN.	9300	8.4	11.0	POTTSHORO, SOUTH	172AE
ARITHMETIC AVERAGE	7937	42.0	12.9		
GEOMETRIC AVERAGE		26.6			
MEDIAN VALUE		28.2	12.4		
MODE		72.7	12.0		
IDEAL SPECIFIC FLOW RATE =	11.9 GPM/FT				
STRAWN GROUP					
H=2 ZONE	2150	545.0	27.9	HANDY	131AR
LOWER BRUHLMEYER	2331	100.0	20.0	SADLER, SOUTHWEST	174AD
BRUHLMEYER SAND	2650	100.0	20.0	COOKE CO. REGULAR	317K
2800 FT STRAWN	2800	85.0	17.0	MACKOY (GUNTER)	574K
UPPER BRUHLMEYER	3100	100.0	20.0	SADLER, SOUTHWEST	168AC
LOWER BRUHLMEYER	3304	100.0	20.0	SADLER, SW.	680K
3600 FT STRAWN SAND	3600	375.0	22.0	WHITESORO	745K
STRAWN	3600	161.0	17.6	BIG MINERAL CREEK	144AM
STRAWN	3600	300.0	24.5	WHITESORO	164AG
HANDY SAND	3652		17.0	HANDY, SOUTHWEST	114AE
3600 FT. STRAWN SAND	3678	75.0	18.0	COLLINSVILLE (EAST)	A 869
STRAWN	3690	68.4	16.3	SHERMAN, EAST	691K
DEGAN SAND	3802	15.0	12.0	TIOGA, EAST	161AG
DEGAN SAND	3802	15.0	14.5	TIOGA, EAST	157AS
STRAWN (4000 FT)	4000	39.0	17.6	MCELREATH, S.	580K
STRAWN	4000	50.0	16.0	SHERMAN	688K

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GRAYSON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAWN GROUP					
STRAWN 4100	4100	75.0	20.5	MACKOY (STRAWN)	576K
NO. 20 SAND	4208	15.0	13.0	WHITESBORO	744K
4800 FT STRAWN	4811	214.0	18.0	GRAYSON	650K
BARNES SAND	5000	59.0	18.5	BIG MINERAL CREEK	A127D
BARNES SAND	5000	59.0	18.5	BIG MINERAL CREEK	170K
BARNES	5000	50.0	16.4	BIG MINERAL CREEK	225AN
RIVERSIDE	5010	300.0	18.0	PHILPICK	649K
STRAWN LOWER (5100)	5100	75.0	18.0	MACKOY (STRAWN)	577K
LOWER STRAWN	5100	34.0	15.2	MACKOY	166AM
LOWER STRAWN	5100	15.0	34.0	MACKOY	226AN
BARNES SAND	5200	59.0	15.5	BIG MINERAL CREEK	143AM
(S) SAND (STRAWN)	5300	28.0	13.0	BIG MINERAL CREEK	A097D
HANDY (N) SAND	5300		17.0	HANDY, SOUTHSAT	115AE
(S) SANDSTONE	5800	28.0	13.0	BIG MINERAL CREEK	171K
(S) SANDSTONE	5811	23.0	14.7	BIG MINERAL CREEK	145AM
(U) SAND	7035	30.0	1.2	BIG MINERAL CREEK	141AM
(V) SAND (STRAWN)	7242	42.0	16.1	BIG MINERAL CREEK	142AM
V SAND (STRAWN)	8831	8.0	14.2	BIG MINERAL, EAST	161AD
MIDDLE DAVIS (STRAWN)	8848	63.0	13.1	O'HAGEN	187AJ
ARITHMETIC AVERAGE	4616	100.2	17.4		
GEOMETRIC AVERAGE		60.5			
MEDIAN VALUE		59.0	17.0		
MODE		83.4	16.0		
IDEAL SPECIFIC FLOW RATE =	6.0 GPM/FT				
BEND GROUP					
HUFF SAND	6400	103.0	15.0	SADLER, WEST	681K
DAVIS	8400	1.2	11.3	SHERMAN	148AF
CORDELL SAND	8890	72.0	12.0	SHERMAN	690K
9300 FT. CORDELL	9375		25.0	POTTSHORO, SOUTH	120AE
CORDELE SAND	9490	50.0	12.7	SHERMAN	255AL
9800 FT. CORDELL	9890	11.0	13.0	POTTSHORO, SOUTH	171AE
(V) SAND (BEND)	8010	5.0	13.0	BIG MINERAL, SE	135AF
ARITHMETIC AVERAGE	8624	40.4	14.6		
GEOMETRIC AVERAGE		17.0			
MEDIAN VALUE		50.0	13.0		
MODE		84.5	13.4		
IDEAL SPECIFIC FLOW RATE =	16.3 GPM/FT				
ORDOVICIAN SYSTEM UNDIFFERENTIATED					
9400 ORDOVICIAN	9410		12.5	SHERMAN	139AR
ARITHMETIC AVERAGE	9410		12.5		
GEOMETRIC AVERAGE					
MEDIAN VALUE			12.5		
MODE			12.5		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
SIMPSON GROUP					
UPPER OIL CREEK	6491	300.0	23.5	GEE	159AM
OIL CREEK	7100	564.0	20.0	WEBB	227AN
OIL CREEK	7100	233.0	17.0	SANDUSKY	182AM
OIL CREEK SAND	7100	238.0	17.0	SUNDUSKY	A0371
OIL CREEK SAND	7100	238.0	17.0	SUNDUSKY	A1169
OIL CREEKSAND	7100	238.0	17.0	SANDUSKY	137AI
OIL CREEK	7150	991.0	20.7	WEBB	189AH
OIL CREEK	7594	230.0	17.0	SANDUSKY, WEST	173AE
OIL CREEK	7684	2.0	16.0	HUDGINS, SOUTHWEST	133AR
OIL CREEK	8000	600.0	17.0	MC MILLAN, NORTH	170AM
ARITHMETIC AVERAGE	7242	363.4	18.2		
GEOMETRIC AVERAGE		207.1			
MEDIAN VALUE		236.0	17.0		
MODE		220.2	17.1		
IDEAL SPECIFIC FLOW RATE =	33.9 GPM/FT				
ELLENBURGER GROUP					
ELLENBURGER	8100		9.0	SANDUSKY	74A0
ARITHMETIC AVERAGE	8100		9.0		
GEOMETRIC AVERAGE					
MEDIAN VALUE			9.0		
MODE			9.0		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				
ARBUCKLE GROUP					
ARBUCKLE	8501		12.5	SIVELLS BEND, EAST	154AS
ARITHMETIC AVERAGE	8501		12.5		
GEOMETRIC AVERAGE					
MEDIAN VALUE			12.5		
MODE			12.5		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				

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GREGG COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOODRINE GROUP					
WOODRINE	3300	2500.0	25.2	EAST TEXAS	10F
WOODRINE	3300	2500.0	25.0	EAST TEXAS	8F
WOODRINE	3353		22.0	LENA ALMA	A 369
WOODRINE SAND	3400	2098.0	25.2	EAST TEXAS	A0271
WOODRINE SAND	3600		25.0	LENA ALMA	74AD
ARITHMETIC AVERAGE	3391	2366.0	24.5		
GEOMETRIC AVERAGE		2358.1			
MEDIAN VALUE		2500.0	25.0		
MODE		2478.3	25.0		
IDEAL SPECIFIC FLOW RATE =	159.1 GPM/FT				
SLIGO (PETTET) GROUP					
LOWER PETTET	5909	6.0	10.2	WRIGHT MOUNTAIN	72F
PETTET A	7258	200.0	17.5	PEATOWN	76AD
ARITHMETIC AVERAGE	6583	103.0	13.8		
GEOMETRIC AVERAGE		34.6			
MEDIAN VALUE		200.0	17.5		
MODE		7.3	10.6		
IDEAL SPECIFIC FLOW RATE =	1.6 GPM/FT				

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GUADALUPE COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
AUSTIN GROUP					
AUSTIN CHALK	1838	1.2	20.0	LULING BRANYON	A1269
ARITHMETIC AVERAGE	1818	1.2	20.0		
GEOMETRIC AVERAGE		1.2			
MEDIAN VALUE		1.2	20.0		
MODE		1.2	20.0		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				
WASHITA GROUP					
BUDA	1660	1.0	12.0	DARST CREEK (BUDA)	26A
BUDA LIMESTONE	1838	1.2	20.0	LULING BRANYON	A1269
BUDA	2350	1.6	15.0	DARST CREEK	A0870
ARITHMETIC AVERAGE	1949	1.3	15.7		
GEOMETRIC AVERAGE		1.2			
MEDIAN VALUE		1.2	15.0		
MODE		1.0	12.4		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				

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HALE COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
LEONARD (SUB-DIVIDED) SERIES UNDIFFERENTIATED					
CLEARFORK	5600	18.8	10.0	ANTON-IRISH	A1070
CLEARFORK	5850	18.8	10.0	ANTON-IRISH	A1169
CLEARFORK	5900	19.0	10.0	ANTON-IRISH	153AN
CLEARFORK	5900	18.8	10.0	ANTON-IRISH	5J
CLEARFORK	6050	18.8	10.0	ANTON IRISH	A0171
CLEARFORK	6050	18.8	10.0	ANTON -IRISH	A 770
CLEARFORK	6050	18.8	10.0	ANTON -IRISH	A1069
ARITHMETIC AVERAGE	5914	18.8	10.0		
GEOMETRIC AVERAGE		18.8			
MEDIAN VALUE		18.8	10.0		
MODE		18.8	10.0		
IDEAL SPECIFIC FLOW RATE =	2.0 GPM/FT				

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HANSFORD COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
COLLIER LS. (PENN)	4640	14.0	9.0	HITCHLAND	5AB
ARITHMETIC AVERAGE	4640	14.0	9.0		
GEOMETRIC AVERAGE		14.0			
MEDIAN VALUE		14.0	9.0		
MODE		14.0	9.0		
IDEAL SPECIFIC FLOW RATE =	1.1 GPM/FT				
CISCO GROUP					
CISCO LIME	4640	11.0	11.9	HITCHLAND	192AM
ARITHMETIC AVERAGE	4640	11.0	11.9		
GEOMETRIC AVERAGE		11.0			
MEDIAN VALUE		11.0	11.9		
MODE		11.0	11.9		
IDEAL SPECIFIC FLOW RATE =	.9 GPM/FT				
DOUGLAS GROUP					
DOUGLAS ZONE	4640	13.7	10.5	HITCHLAND	138AK
TONKAWA (PENN)	5250	4.0	15.5	TWIN	7AB
ARITHMETIC AVERAGE	4945	8.8	13.0		
GEOMETRIC AVERAGE		7.4			
MEDIAN VALUE		13.7	15.5		
MODE		4.3	10.8		
IDEAL SPECIFIC FLOW RATE =	.4 GPM/FT				
LANSING KANSAS CITY GROUP					
KANSAS CITY	5550	10.0	.5	HANSFORD, NORTH	177AC
LANCING-KANSAS CITY	5596		3.0	SPEARMAN, NORTH	158AF
LANCING-KANSAS CITY	5596	36.0	2.2	SPEARMAN, NORTH	1#1AE
ARITHMETIC AVERAGE	5581	23.0	1.9		
GEOMETRIC AVERAGE		19.0			
MEDIAN VALUE		36.0	2.2		
MODE		10.7	.6		
IDEAL SPECIFIC FLOW RATE =	1.1 GPM/FT				

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HANSFORD COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
PLEASANTON GROUP					
CLEVELAND SAND	6350	.5	10.7	HORIZON	141AI
ARITHMETIC AVERAGE	6350	.5	10.7		
GEOMETRIC AVERAGE		.5			
MEDIAN VALUE		.5	10.7		
MODE		.5	10.7		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
DES MOINES SERIES UNDIFFERENTIATED					
DES MOINES	6135	6.6	5.6	TWIN	197AJ
UPPER DES MOINES	6302		14.5	HANSFORD	154AF
ARITHMETIC AVERAGE	6218	6.6	10.0		
GEOMETRIC AVERAGE		6.6			
MEDIAN VALUE		6.6	14.5		
MODE		6.6	6.0		
IDEAL SPECIFIC FLOW RATE =	.8 GPM/FT				
MARHATON GROUP					
MARHATON	6500		16.0	HANSFORD	167AG
ARITHMETIC AVERAGE	6500		16.0		
GEOMETRIC AVERAGE					
MEDIAN VALUE			16.0		
MODE			16.0		
IDEAL SPECIFIC FLOW RATE =	0.8 GPM/FT				
CHEROKEE GROUP					
CHEROKEE 6300 FT	6300	179.0	21.0	HANSFORD, NORTH	3L
ARITHMETIC AVERAGE	6300	179.0	21.0		
GEOMETRIC AVERAGE		179.0			
MEDIAN VALUE		179.0	21.0		
MODE		179.0	21.0		
IDEAL SPECIFIC FLOW RATE =	22.1 GPM/FT				
ATOKA GROUP UNDIFFERENTIATED					
ATOKA	7000	1.0	6.7	SpEARMAN, EAST	6AB

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ATOKA GROUP UNDIFFERENTIATED					
ATOKA	7099	10.2	6.1	SPEARMAN	196AJ
ARITHMETIC AVERAGE	7049	5.6	6.4		
GEOMETRIC AVERAGE		3.2			
MEDIAN VALUE		10.2	6.7		
MODE		1.1	6.1		
IDEAL SPECIFIC FLOW RATE =	.2 GPM/FT				
MORROW SERIES UNDIFFERENTIATED					
MORROW#UPPER	6810	105.0	16.5	CLEMENTINE	162AS
MORROW	6930	21.0	19.0	SHAPLEY	180AE
MORROW, UPPER-OIL	7094	3.9	12.5	HANSFORD	153AF
UPPER MORROW SAND	7094	4.0	13.4	BERNSTEIN	2AB
MORROW	7100	250.0	16.0	TWIN#MORROW	141AK
UPPER MORROW SAND	7150	177.0	15.7	TWIN	112L
UPPER MORROW	7152	47.3	16.0	TWIN (MORROW)	A 869
MIDDLE MORROW SAND	7600	3.0	10.0	HANSFORD	4AB
UPPER MORROW SAND	7800	30.0	12.0	HANSFORD	3AB
ARITHMETIC AVERAGE	7192	71.2	14.6		
GEOMETRIC AVERAGE		26.5			
MEDIAN VALUE		30.0	15.7		
MODE		3.8	15.9		
IDEAL SPECIFIC FLOW RATE =	.6 GPM/FT				

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HARDEMAN COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CANYON GROUP					
PALO PINTO CONG.	4340	9.0	11.0	QUANAH	172AD
PALO PINTO	5200	3.3	7.5	CONLEY	110AE
PALO PINTO CONGL.	5832	9.0	11.0	QUANAH	166AC
ARITHMETIC AVERAGE	5124	7.1	9.8		
GEOMETRIC AVERAGE		6.4			
MEDIAN VALUE		9.0	11.0		
MODE		8.6	10.8		
IDEAL SPECIFIC FLOW RATE =	.7 GPM/FT				
MORROW SERIES UNDIFFERENTIATED					
MORROW	6930	12.0	13.2	SHAPLEY	170AG
ARITHMETIC AVERAGE	6930	12.0	13.2		
GEOMETRIC AVERAGE		12.0			
MEDIAN VALUE		12.0	13.2		
MODE		12.0	13.2		
IDEAL SPECIFIC FLOW RATE =	1.6 GPM/FT				
MISSISSIPPIAN SYSTEM UNDIFFERENTIATED					
MISSISSIPPIAN CHAPP.	4000	14.0	11.7	QUANAH	173AD
7430 FT. CONG.	7430	12.0	13.0	MEDICINE MOUNDS	170AD
MISSISSIPPIAN	8000	.4	7.5	CONLEY	137AF
MISSISSIPPI	8080	50.0	10.0	CLAY COUNTY REGULAR	246K
MISSISSIPPIAN	8130		12.4	CHILLICOTHE, NORTH	67AQ
MISSISSIPPIAN	8200	241.0	9.0	MEDICINE MOUNDS	171AD
ARITHMETIC AVERAGE	7307	63.5	10.6		
GEOMETRIC AVERAGE		15.2			
MEDIAN VALUE		14.0	11.7		
MODE		14.2	7.8		
IDEAL SPECIFIC FLOW RATE =	2.1 GPM/FT				
OSAGE SERIES UNDIFFERENTIATED					
OSAGE	8084		12.5	CONLEY	109AE

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HARDEN COUNTY

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OSAGE SERIES UNDIFFERENTIATED					
OSAGE	8880		11.0	THRASH	141AR
8295 CHAPPEL	8252	443.0	11.5	QUANAH	138AR
CHAPPEL	8290		9.5	QUANAH, SW	153AS
CHAPPEL	8592		6.5	THRASH	140AR
8925 CHAPPEL	8925	443.0	11.5	QUANAH	72AQ
ARITHMETIC AVERAGE	8504	443.0	10.4		
GEOMETRIC AVERAGE		443.0			
MEDIAN VALUE		443.0	11.5		
MODE		443.0	11.6		
IDEAL SPECIFIC FLOW RATE =	83.8 GPM/FT				
ELLENBURGER GROUP					
ELLENBURGER	8030	.2	3.8	CONLEY	136AF
ARITHMETIC AVERAGE	8030	.2	3.8		
GEOMETRIC AVERAGE		.2			
MEDIAN VALUE		.2	3.8		
MODE		.2	3.8		
IDEAL SPECIFIC FLOW RATE =	.0 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
MIOCENE SERIES UNDIFFERENTIATED					
(0-1] SAND (MIOCENE)	965	573.0	32.0	SARATOGA	A1170
MIOCENE 2	1100	1860.0	37.0	SOUR LAKE	81C
MIOCENE SAND	2300	2000.0	33.0	SOUR LAKE	A1070
BASAL MIOCENE	2520		30.0	SOUR LAKE	79C
MIOCENE 3200 FT	3150		35.0	SOUR LAKE	80C
ARITHMETIC AVERAGE	2007	1477.7	33.4		
GEOMETRIC AVERAGE		1287.0			
MEDIAN VALUE		1860.0	33.0		
MODE		1882.5	30.4		
IDEAL SPECIFIC FLOW RATE =	59.3 GPM/FT				
GUEYDAN-CATAHOULA GROUP					
METEROSTEGINA	1500	420.0	33.0	SOUR LAKE FIELD	A1170
METEROSTEGINA	1626	420.0	33.0	SOUR LAKE	78C
FRIO	472	1910.0	31.0	SOUR LAKE	A 770
FRIO	1447	2500.0	33.0	SOUR LAKE	A 770
FRIO	2165	2000.0	33.0	SOUR LAKE	A 671
FRIO	2337	457.0	32.2	SOUR LAKE	A 171
ARITHMETIC AVERAGE	1591	1284.5	32.5		
GEOMETRIC AVERAGE		957.3			
MEDIAN VALUE		1910.0	33.0		
MODE		461.0	32.9		
IDEAL SPECIFIC FLOW RATE =	10.3 GPM/FT				
CLAIBORNE GROUP					
YEGUA D	5026		34.0	SOUR LAKE	82C
COCKFIELD T	6235	2289.0	31.0	VILLAGE MILLS, EAST	A 270
NO. 1 YEGUA (OIL)	6250	800.0	31.0	BEECH CREEK	47AM
NO. 2 YEGUA (GAS)	6250	534.0	32.4	BEECH CREEK	48AM
NO. 5 YEGUA (GAS)	6250	367.0	31.4	BEECH CREEK	49AM
NO. 9 YEGUA (GAS)	6250	1483.0	30.6	BEECH CREEK	50AM
COCKFIELD T	6262	750.0	31.0	VILLAGE MILLS EAST	93C
YEGUA (T) SAND	6264	505.0	34.5	JACKSON-DOTY	9AN

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCTES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CLAIBORNE GROUP					
YEGUA T SAND	6264	1100.0	33.8	JACKSON_DOTY	32AD
YEGUA (T) SAND	6264	1535.0	32.4	JACKSON_DOTY	57AL
YEGUA C SAND	6444	3240.0	35.4	JACKSON_DOTY	31AD
COCKFIELD (T)	6450	2289.0	31.0	VILLAGE MILLS, EAST	83AL
COCKFIELD	6500	750.0	31.0	VILLAGE MILLS, EAST	34AF
COCKFIELD (V)	6500	1188.0	34.0	VILLAGE MILLS, EAST	79AL
COCKFIELD (W-1)	6550	1903.0	40.0	VILLAGE MILLS, EAST	80AL
NO. 3 YEGUA	6600	800.0	34.2	JIMMIE OWEN	19AG
YEGUA	6647	258.0	29.0	BATSON, NEW	A 670
COCKFIELD (Y)	6735	734.0	32.0	VILLAGE MILLS, EAST	84AL
COCKFIELD T-1	6750	870.0	30.0	VILLAGE MILLS EAST	94C
1ST YEGUA SAND (Y=2) SAND	6925	264.0	29.4	SILSBEE, WEST	55AM
COCKFIELD (Z)	7100	313.0	27.0	SILSBEE, WEST	57AM
YEGUA B SAND ZONE	7120	1175.0	32.5	VILLAGE MILLS, EAST	81AL
COCKFIELD (Z=2)	7150	300.0	30.0	HAMPTON, SOUTH	23AC
U SAND	7235	1279.0	28.5	VILLAGE MILLS, EAST	82AL
(U) SAND	7235	1276.0	28.5	ELLIOTT	28AD
COCKFIELD R	7508	935.0	30.0	ELLIOTT	12AH
YEGUA E-5 SAND	7660	156.0	28.6	VILLAGE MILLS EAST	92C
Y-1 YEGUA	7675	175.0	27.0	HAMPTON, SOUTH	24AC
Z SAND	7917	175.0	26.4	ELLIOTT	16AP
(Z) SAND	7917	175.0	26.4	ELLIOTT	17AP
Y-1	8026	169.0	27.7	ELLIOTT	13AH
(U) SAND	6925	264.0	31.0	YONAJOSA	29AP
				SILSBEE, WEST	56AM
ARITHMETIC AVERAGE	6782	888.4	30.9		
GEOMETRIC AVERAGE		628.6			
MEDIAN VALUE		750.0	31.0		
MODE		836.9	31.2		
IDEAL SPECIFIC FLOW RATE =	184.8 GPH/FT				
WILCOX GROUP					
UPPER WILCOX	8350	64.0	24.0	VOTAW WILCOX UPPER	95C
UPPER WILCOX	8400	65.0	24.0	VOTAW	27AG
WILCOX	8400	98.0	26.8	VOTAW	25AH
ARITHMETIC AVERAGE	8383	75.7	24.9		
GEOMETRIC AVERAGE		74.1			
MEDIAN VALUE		65.0	24.0		
MODE		65.4	24.1		
IDEAL SPECIFIC FLOW RATE =	21.9 GPH/FT				

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MIOCENE SERIES UNDIFFERENTIATED					
MIOCENE SAND	2782	360.0	26.2	GOOSE CREEK FIELD	A0271
ARITHMETIC AVERAGE	2782	360.0	26.2		
GEOMETRIC AVERAGE		360.0			
MEDIAN VALUE		360.0	26.2		
MODE		360.0	26.2		
IDEAL SPECIFIC FLOW RATE =	16.6 GPM/FT				
GUEYDAN=CATAHOULA GROUP					
ANAMUAC 3	2500	250.0	33.0	HUMBLE	41C
FRIO	1000		30.5	CLEAR LAKE	43AL
FRIO	2762	750.0	35.0	HUMBLE	42C
EX-5	4300	250.0	33.0	HUMBLE LIGHT	43C
LEWIS 5930 FT.	5930	1100.0	29.0	TOMBALL	46AD
FRIO A	6000	1000.0	31.0	WEBSTER	96C
FRIO	6098	1150.0	30.7	WEBSTER	27AK
FRIO	6098	1150.0	30.7	WEBSTER	85AL
CRAWFORD SAND	6362	800.0	35.0	CEDAR BAYOU, NORTH	31AL
FRIO	6848	1150.0	30.7	WEBSTER	58AM
ARITHMETIC AVERAGE	4790	844.4	31.9		
GEOMETRIC AVERAGE		735.2			
MEDIAN VALUE		1000.0	31.0		
MODE		1068.6	30.5		
IDEAL SPECIFIC FLOW RATE =	112.1 GPM/FT				
VICKSBURG GROUP					
FLT. BLK A VICKSBURG	7200	494.0	30.0	PIERCE JUNCTION	63C
VICKSBURG SAND	7216	494.0	30.0	PIERCE JUNCTION	A1070
VICKSBURG	7222	750.0	28.0	PIERCE JUNCTION	62C
VICKSBURG NO. 1 SAND	7765	175.0	30.0	PIERCE JUNCTION	24AK
ARITHMETIC AVERAGE	7351	478.2	29.5		
GEOMETRIC AVERAGE		423.0			
MEDIAN VALUE		494.0	30.0		
MODE		522.6	29.9		
IDEAL SPECIFIC FLOW RATE =	117.7 GPM/FT				

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CLAIBORNE GROUP					
BRAUTIGAM	550	1220.0	32.0	S. DECKERS PRAIRIE	A 269
SCHULTZ	5500	1200.0	32.0	TOMBALL (SCHULTZ SE)	88C
LEWIS	5500	1200.0	32.0	TOMBALL	33AR
YEGUA	5506	1200.0	32.0	TOMBALL SCHULTZ, SE	A 670
COCKFIELD	5540	276.0	30.0	INDIAN HILLS	54AH
COCKFIELD-YEGUA	5563	700.0	34.0	DECKERS PRAIRIE S(A)	7AN
PETRICH	5578	1100.0	31.0	TOMBALL	28AP
LEWIS 5930 FT	5774	1100.0	29.0	TOMBALL (LEWIS 5930)	87C
FIRST COCKFIELD	5800	3200.0	32.0	TOMBALL, SOUTHEAST	75AL
PETRICH SAND	5850	542.0	34.1	HUFFSMITH	56AL
COCKFIELD	6200	600.0	30.0	BAMMEL, SOUTH	A 571
BAMMEL 6200 FT	6200	900.0	31.0	BAMMEL COCKFIELD	7C
COCKFIELD 1-H	6596	1053.0	28.0	KATY, NORTH	25AF
SAND 1-A AND 11-A-L	6600	1050.0	28.0	KATY 1-B AND 11-A-L	45C
1-B PATTISON	6600	1053.0	28.0	KATY, NORTH	19AK
YEGUA COCKFIELD	6690	1504.0	32.0	MILTON	24AI
6780 FT. SAND	6780	250.0	26.0	DELHI, NORTH	16AI
SAND 11-A (L)	6800	400.0	26.0	KATY 11-A (L)	46C
11-A HERBERT	6800	407.0	26.0	KATY, NORTH	20AK
SAND 11-B	6840	1100.0	29.0	KATY 11-B	47C
COCKFIELD 11-A LOWER	6871	407.0	26.0	DATY NORTH	26AF
7000 YEGUA	7000	70.0	26.1	FAIRBANKS, NORTH	22AR
FAIRBANKS SAND	7052	1966.0	35.8	DURKEE	50AL
EY-1 SAND	7344	191.0	28.0	CLODINE, NORTH	11AH
E Y-1 SAND (YEGUA)	7782	300.0	21.0	RANKIN	A1070
EY-1	7800	500.0	30.0	RANKIN	70C
7800 FT. SAND	7800	510.0	32.0	ALCO-MAG	9AJ
YEGUA	8000	660.0	33.8	ALCO-MAG	14AI
YEGUA SAND	8000	217.0	32.0	ALCO-MAG, WEST	10AJ
ARITHMETIC AVERAGE	6376	823.3	29.9		
GEOMETRIC AVERAGE		615.3			
MEDIAN VALUE		660.0	30.0		
MODE		1253.2	32.1		
IDEAL SPECIFIC FLOW RATE =	211.5 GPM/FT				

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JACKSON GROUP					
WELBOURN SAND	6186	47.0	15.5	WASKOM	92AN
ARITHMETIC AVERAGE	6186	47.0	15.5		
GEOMETRIC AVERAGE		47.0			
MEDIAN VALUE		47.0	15.5		
MODE		47.0	15.5		
IDEAL SPECIFIC FLOW RATE =	8.4 GPM/FT				
TAYLOR GROUP					
ROGERS SAND	6500	65.0	17.0	WASKOM	88AN
ARITHMETIC AVERAGE	6500	65.0	17.0		
GEOMETRIC AVERAGE		65.0			
MEDIAN VALUE		65.0	17.0		
MODE		65.0	17.0		
IDEAL SPECIFIC FLOW RATE =	13.2 GPM/FT				
FREDERICKSBURG (EDWARDS UNDIVIDED) GROUP					
GOODLAND LIME	2355	3.0	20.0	LONGWOOD	A1269
GOODLAND LIME	2410	1.0	20.9	LONGWOOD	32F
GOODLAND LIME	2414	.7	20.9	LONGWOOD	A 869
ARITHMETIC AVERAGE	2393	1.6	20.6		
GEOMETRIC AVERAGE		1.3			
MEDIAN VALUE		1.0	20.9		
MODE		.8	20.9		
IDEAL SPECIFIC FLOW RATE =	.0 GPM/FT				
TRINITY GROUP					
GLEN ROSE	4300	273.0	21.5	BETHANY	71AH
GLENROSE	4350	496.0	22.0	BETHANY (4300 GLENROSE)	1F
GLENROSE	4358	497.0	22.9	BETHANY	A 369

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TRINITY GROUP					
4300 FT. GLEN ROSE	4478	496.8	21.4	BETHANY GLEN ROSE	A 869
RODESSA	4800	.00.0	18.0	WASKOM	68AF
HILL	5150	31.0	14.0	LEIGH	25AQ
HILL	5155	31.0	14.0	LEIGH	A 269
HILL 3ANC	5794	501.0	15.4	WOODLAWN	69AF
HILL ZONE	6200	12.0	14.0	WASKOM	93AN
ARITHMETIC AVERAGE	4954	270.9	18.1		
GEOMETRIC AVERAGE		139.0			
MEDIAN VALUE		273.0	18.0		
MODE		423.0	14.4		
IDEAL SPECIFIC FLOW RATE =	50.4 GPM/FT				
SLIGO (PETTET) GROUP					
Upper PETTIT	6450	50.0	14.0	WOODLAWN	77AM
MIDDLE PETTIT	6500	11.0	8.2	WOODLAWN	78AM
LOWER PETTIT	6550	21.0	11.1	WOODLAWN	79AM
CRANE ZONE (PETTIT)	6914	50.0	17.0	HALLSVILLE, NE.	23F
PETTET	6914	50.0	17.0	HALLSVILLE, NE	62AR
PETTIT	7000	44.0	18.7	HALLSVILLE, NE	95AJ
UPPER PETTET	7264		12.0	WHELAN	30AQ
ARITHMETIC AVERAGE	6799	37.7	14.0		
GEOMETRIC AVERAGE		32.9			
MEDIAN VALUE		50.0	14.0		
MODE		46.5	17.1		
IDEAL SPECIFIC FLOW RATE =	11.0 GPM/FT				
HOUSTON (TRAVIS PEAK) GROUP					
SMITH (6030 TRAVS PK)	5725	61.0	17.1	WASKOM	68F
BELL-TRAVIS PEAK	5840	124.0	18.0	WASKOM	66F
COOPER (6180 TRAV PK)	5850	43.0	15.7	WASKOM	67F
TRAVIS PEAK	6004	52.0	16.2	WASKOM ROGERS UNIT	A 770
TRAVIS PEAK	6020	65.0	17.0	WASKOM	87AN
SMITH SAND	6034	65.0	17.0	WASKOM	90AN
TRAVIS PEAK (RODGERS)	6048	52.0	16.0	WASKOM	69F
TRAVIS PEAK (BEARDEN)	6078	26.0	14.7	WASKOM (BEARDEN SAND)	70F
BEARDEN SAND	6078	26.0	14.7	WASKOM	91AN
REUBEN SAND	6144	65.0	17.0	WASKOM	89AN
AKIN ZONE	6182	100.0	16.9	WASKOM	94AN
AKIN SAND	6220	72.0	17.4	WASKOM	76AM
TRAVIS PEAK	6264	70.0	16.3	WASKOM (THCKER SAND)	71F

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HOSSTON (TRAVIS PEAK) GROUP					
TRAVIS PEAK(A)	6288	15.0	15.0	BETHANY (TRAVIS A)	2F
6300 FT. TRAVIS PEAK	6300	115.0	16.5	BETHANY	69AD
TRAVIS PEAK A SAND	6302	22.0	15.5	BETHANY	A 670
TRAVIS PEAK A SAND	6400	43.0	16.5	BETHANY	70AD
ARITHMETIC AVERAGE	6105	59.8	16.3		
GEOMETRIC AVERAGE		51.7			
MEDIAN VALUE		61.0	16.5		
MODE		59.5	16.8		
IDEAL SPECIFIC FLOW RATE =	11.6 GPM/FT				
WHITEHORSE GROUP					
SMITH ZONE	6202	40.9	15.9	GREEN FOX	A 171
ARITHMETIC AVERAGE	6202	40.9	15.9		
GEOMETRIC AVERAGE		40.9			
MEDIAN VALUE		40.9	15.9		
MODE		40.9	15.9		
IDEAL SPECIFIC FLOW RATE =	7.5 GPM/FT				

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PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
GRANITE WASH (PENN)	6100	17.0	13.0	REHM	8AR
GRANITE WASH	6110	50.0	15.0	REHM	140AK
GRANITE WASH	6164	22.4	13.3	REHM	111L
ARITHMETIC AVERAGE	6125	29.8	13.8		
GEOMETRIC AVERAGE		26.7			
MEDIAN VALUE		22.4	13.3		
MODE		18.0	13.1		
IDEAL SPECIFIC FLOW RATE =	2.0 GPH/FT				

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WOLFCAMP SERIES UNDIFFERENTIATED					
COOK SAND	1300	245.0	25.5	WOLFCAMP	88AD
COOK SAND	1300	207.0	24.0	WOLF CAMP	A1170
COOK SAND	1300	207.0	24.0	WOLFCAMP	400G
ARITHMETIC AVERAGE	1300	219.7	24.5		
GEOMETRIC AVERAGE		219.0			
MEDIAN VALUE		207.0	24.0		
MODE		208.8	24.1		
IDEAL SPECIFIC FLOW RATE =	3.2 GPM/FT				
CISCO GROUP					
SWASTIKA SAND	1600	301.0	21.9	WOLFCAMP	402G
SWENSON SAND	2500	665.0	20.5	STAMFORD, WEST	122AN
SWASTIKA (2500 FT)	2500	665.0	20.5	STAMFORD, WEST	321G
ARITHMETIC AVERAGE	2200	543.7	21.0		
GEOMETRIC AVERAGE		510.6			
MEDIAN VALUE		665.0	20.5		
MODE		639.7	20.6		
IDEAL SPECIFIC FLOW RATE =	19.0 GPM/FT				
CANYON GROUP					
CANYON SAND	3060	1290.0	20.0	BRIDWELL-HENDRICKS	20G
CANYON SAND	3127	16.5	15.5	BRIDWELL-HENDRICK	A 671
PALO PINO	3265	33.0	8.4	SOUTH FORK	82AK
CROSS OUT	3800	60.0	14.7	HASKELL	87AM
ARITHMETIC AVERAGE	3313	354.9	14.6		
GEOMETRIC AVERAGE		86.6			
MEDIAN VALUE		80.0	15.5		
MODE		21.0	9.0		
IDEAL SPECIFIC FLOW RATE =	1.1 GPM/FT				
DES MOINES SERIES UNDIFFERENTIATED					
INTERVAL, 1650-1950	4814	25.0	17.0	HASKELL COUNTY REG.	A1070

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DES MOINES SERIES UNDIFFERENTIATED					
INTERVAL, 1650-1950	4819	27.0	17.0	HASKELL COUNTY REG.	A1070
ARITHMETIC AVERAGE	4816	20.0	17.0		
GEOMETRIC AVERAGE		26.0			
MEDIAN VALUE		27.0	17.0		
MODE		25.1	17.0		
IDEAL SPECIFIC FLOW RATE =	2.2 GPM/FT				
STRAWN GROUP					
STRAWN SAND	1800	19.0	14.7	WEINERT, WEST	84AK
UPPER BURSON SAND	4625	12.0	13.0	TURNBOW 4625 STRAWN	A0170
BURSON, LOWER	4646	17.0	17.8	STRAIN	45A0
4650 FT. STRAWN	4653	7.4	14.2	TURNBOW, NORTH	46A0
MIDDLE BURSON SAND	4660	500.0	25.0	S. TURNBOW 4660 STRN	A0170
4660 STRAWN	4660	128.0	18.0	TURNBOW, SOUTH	70AR
BURSON SAND (STRAWN)	4660	60.0	18.0	HASKELL CO. REGULAR	144G
BURSON, LOWER	4664	7.8	14.3	TURNBOW, NORTHEAST	47A0
LOWER BURSON SAND	4680	11.0	13.7	S. TURNBOW 4700 STRN	A0170
4700 FT. STRAWN	4691	18.0	14.2	TURNBOW, SOUTH	48A0
(A) ZONE	4735	151.0	18.1	WEINERT, SOUTH	97AH
BURSON STRAWN	4750	17.0	13.5	SOJOURNER (BURSON)	320G
BURSON SAND	4750	60.0	18.0	HERRIN	87AH
STRAWN	4752	25.0	14.0	WEINERT	127AN
(B) ZONE	4777	144.0	17.6	WEINERT, SOUTH	98AH
STRAWN	4780	25.0	16.1	HERRIN, NORTH	88AH
STRAWN SAND	4800	15.0	15.0	O'BRIEN	A0371
STRAWN SAND	4800	50.0	14.0	O BRIEN	A0371
STRAWN SAND	4800	15.0	15.0	O BRIEN	213G
JUD (STRAWN)	4800	4.0	14.6	WEINERT, WEST	391G
STRAWN SAND	4800	19.0	14.7	WEINERT, WEST	392G
STRAWN	4800	48.0	12.6	HASKELL	86AH
STRAWN SAND	4806	50.0	14.0	O'BRIEN (STRAWN)	A 370
STRAWN	4817	50.0	14.0	O BRIEN	212G
STRAWN SAND	4820	1.0	14.0	WEINERT, WEST	393G
STRAWN	4820		15.0	WEINERT, WEST	394G
BURSON SAND	4824	27.0	17.0	HASKELL COUNTY REG.	A1070
JUDD SAND (STRAWN)	4900	6.0	11.5	O BRIEN (STRAWN)	214G
STRAWN	4906	38.0	19.3	O BRIEN, NORTH	74AF
STRAWN	4908	5.8	11.5	O'BRIEN, WEST	A0271
STRAWN	4908	5.3	15.4	O BRIEN, WEST	194AL
STRAWN	4910		19.5	O BRIEN, SOUTH	75AF
STRAWN	4911	38.0	19.3	O BRIEN NORTH	A0470
UPPER STRAWN	4967	234.0	18.4	JULIANA	109AN
STRAWN	4970	250.0	20.0	JUD, SOUTH	87AG
JUDD SAND	5015		14.0	ROCHESTER NW	231G

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
HASKELL COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAWN GROUP					
BURSON	5035	220.0	19.8	JULIANA, SOUTH	88A6
SOJOURNER SAND	5200	20.0	14.0	SOJOURNER	3186
SOJOURNER	5250	13.0	13.5	SOJOURNER	3196
UPPER STRAWN	5415	2.4	13.0	SAGERTON, NORTHWEST	69AC
ARITHMETIC AVERAGE	4762	62.5	15.7		
GEOMETRIC AVERAGE		25.7			
MEDIAN VALUE		20.0	14.7		
MODE		17.2	13.5		
IDEAL SPECIFIC FLOW RATE =	1.5 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD
SALINE WATER RESOURCES SURVEY

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OF THE
STATE OF TEXAS
AQUIFER ROCK PROPERTIES
HEMPHILL COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
DOUGLAS GROUP					
DOUGLAS	7358		11.3	FELDMAN	82A0
TONKAWA SAND	7600	10.0	11.0	FELDMAN	9AB
ARITHMETIC AVERAGE	7479	10.0	11.1		
GEOMETRIC AVERAGE		10.0			
MEDIAN VALUE		10.0	11.3		
MODE		10.0	11.0		
IDEAL SPECIFIC FLOW RATE =	1.5 GPM/FT				
MORROW SERIES UNDIFFERENTIATED					
MORROW	9885	18.0	12.0	MATHERS	167AS
UPPER MORROW (OIL)	9900	26.0	14.0	PARSELL - MATHERS	10AB
UPPER MORROW (GAS)	9900	1.0	7.0	PARSELL - MATHERS	11AB
ARITHMETIC AVERAGE	9895	15.0	11.0		
GEOMETRIC AVERAGE		7.8			
MEDIAN VALUE		18.0	12.0		
MODE		1.2	7.4		
IDEAL SPECIFIC FLOW RATE =	.3 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD
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 STATE OF TEXAS
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 HENDERSON COUNTY

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOODBINE GROUP					
WOODBINE	3765	500.0	25.0	CAYUGA	A1169
WOODBINE	3770	50.0	25.0	CAYUGA	A 869
ARITHMETIC AVERAGE	3767	275.0	25.0		
GEOMETRIC AVERAGE		158.1			
MEDIAN VALUE		500.0	25.0		
MODE		56.5	25.0		
IDEAL SPECIFIC FLOW RATE =	4.3 GPM/FT				
TRINITY GROUP					
BACON LIME	7626	50.0	13.7	MALAKOFF, SOUTH	9E
BACON LIME	7626	51.0	14.1	MALAKOFF, SOUTH	174AL
BACON LIME	7626	9.2	13.4	MALAKOFF	49AC
RODESSA G	8850		15.7	D.A.K.	58AR
RODESSA G	8850	10.5	18.8	D.A.K.	46AS
RODESSA	8920	5.3	14.5	OPELIKA, WEST	22AG
JAMES LIME	10000	22.0	11.0	FAIRWAY	A1170
UPPER JAMES LIME	10050	73.0	15.1	FRANKSTON	49AE
ARITHMETIC AVERAGE	8693	31.6	14.5		
GEOMETRIC AVERAGE		21.5			
MEDIAN VALUE		22.0	14.5		
MODE		10.3	13.7		
IDEAL SPECIFIC FLOW RATE =	3.2 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD
SALINE WATER RESOURCES SURVEY

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OF THE
STATE OF TEXAS
AQUIFER ROCK PROPERTIES
HIDALGO COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUEYDAN-CATAHOULA GROUP					
3900 FRIO	3950	436.0	30.2	BLOOMBERG 3900 FRIO	26D
4350 FT. SAND (FRIO)	4363	400.0	26.0	TABASCO	A 869
UPPER SULLIVAN SAND	4430	1132.0	29.1	FLOURES, SOUTH	51AD
MARTIN SAND	4863	676.0	33.0	PENITAS	47AI
ROYAL SAND	5507	270.0	29.0	JAVELINA	38AS
HERD SAND FAULT SEG2	6082	140.0	21.0	TABASCO	165AL
6540 SLAVIK	6540	42.0	28.0	LOS TORRITOS	33AP
MEYERHOFF SAND	7000	60.0	23.0	SHEPHERD, SOUTH	44AE
MC KINSEY	7238	58.0	17.0	SHEPHERD	52AH
ARITHMETIC AVERAGE	5553	357.1	26.3		
GEOMETRIC AVERAGE		208.3			
MEDIAN VALUE		270.0	28.0		
MODE		50.2	29.0		
IDEAL SPECIFIC FLOW RATE =	7.1 GPM/FT				

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AQUIFER ROCK PROPERTIES

HILL COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
	STRAWN GROUP				
STRAWN	6000	75.0	15.0	ENGLE	153AM
ARITHMETIC AVERAGE	6000	75.0	15.0		
GEOMETRIC AVERAGE		75.0	15.0		
MEDIAN VALUE		75.0	15.0		
MODE		75.0	15.0		
IDEAL SPECIFIC FLOW RATE =	12.8 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD
SALINE WATER RESOURCES SURVEY

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HOCKLEY COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES	4560	5.0	13.4	YELLOWHOUSE	178J
SAN ANDRES	4660	1.0	12.1	YELLOWHOUSE	79AA
SAN ANDRES	4705	5.0	12.1	YELLOWHOUSE	174AJ
SAN ANDRES	4740	2.5	11.0	LEVELLAND	A0171
SAN ANDRES	4740	2.5	11.0	LEVELLAND	A0371
SAN ANDRES	4740	2.5	11.0	LEVELLAND	A1070
SAN ANDRES	4740	2.5	11.0	LEVELLAND	62J
SAN ANDRES	4750	1.8	8.0	LEVELLAND	A1070
SAN ANDRES	4750	8.0	13.0	SLAUGHTER	160J
SAN ANDRES	4754	2.5	11.0	LEVELLAND	A 670
SAN ANDRES	4754	2.5	11.0	LEVELLAND	A 171
SAN ANDRES	4758	2.5	11.0	LEVELLAND	A 171
SAN ANDRES	4770	2.5	12.0	LEVELLAND	67J
SAN ANDRES	4770	2.5	12.0	LEVELLAND	68J
SAN ANDRES	4770	2.5	12.0	LEVELLAND	69J
SAN ANDRES	4770	2.5	12.0	LEVELLAND	70J
SAN ANDRES	4800	2.0	9.0	LEVELLAND	73J
SAN ANDRES	4807	2.5	11.0	LEVELLAND	A 569
SAN ANDRES	4828	2.5	10.0	LEVELLAND	A 671
SAN ANDRES	4850	3.0	9.0	SLAUGHTER	A0970
SAN ANDRES	4850	1.0	10.0	LEVELLAND	A1070
SAN ANDRES	4850	1.0	9.0	LEVELLAND	64J
SAN ANDRES	4870	10.8	12.2	LEVELLAND	57J
SAN ANDRES	4870	10.8	12.2	SLAUGHTER	109J
SAN ANDRES	4900	11.8	11.5	SLAUGHTER	151J
SAN ANDRES	4910	23.0	14.0	SLAUGHTER	119J
SAN ANDRES	4920	10.8	12.2	SLAUGHTER	116J
SAN ANDRES	4920	11.1	10.2	SLAUGHTER	133J
SAN ANDRES	4935	8.0	13.0	SLAUGHTER	159J
SAN ANDRES	4940	11.0	10.2	SLAUGHTER	A0170
SAN ANDRES	4940	11.1	10.2	SAN ANDRES	A0271
SAN ANDRES	4940	11.1	10.2	SLAUGHTER	A0570
SAN ANDRES	4940	11.1	10.2	SLAUGHTER	A1070
SAN ANDRES	4940	11.0	10.0	SLAUGHTER	147J
SAN ANDRES	4940	11.0	10.2	SLAUGHTER	149J
SAN ANDRES	4950	11.0	12.2	SLAUGHTER	A 269
SAN ANDRES	4950	10.8	12.2	SLAUGHTER	111J
SAN ANDRES	4950	10.8	12.2	SLAUGHTER	112J
SAN ANDRES	4950	1.8	10.5	SLAUGHTER	129J
SAN ANDRES	4950	11.1	10.2	SLAUGHTER	138J
SAN ANDRES	4953	11.0	10.2	SLAUGHTER	A 469

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS

HOCKLEY COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES	4960	11.1	10.2	SLAUGHTER	A0170
SAN ANDRES	4960	11.1	10.2	SLAUGHTER	136J
SAN ANDRES	4960	11.1	10.2	SLAUGHTER	137J
SAN ANDRES	4975	11.1	10.2	SLAUGHTER	A0271
SAN ANDRES	4975	11.1	10.2	SLAUGHTER	150J
SAN ANDRES	4980	10.8	12.2	SLAUGHTER	A 471
SAN ANDRES	4980	23.0	13.7	SLAUGHTER	122J
SAN ANDRES	4985	8.5	13.0	SLAUGHTER	A 569
SAN ANDRES	4985	8.5	13.0	SLAUGHTER	A 569
SAN ANDRES	4986	1.1	8.6	SLAUGHTER	A0870
SAN ANDRES	5000		11.0	SLAUGHTER	117J
SAN ANDRES	5000	9.0	20.4	SLAUGHTER	121J
SAN ANDRES	5000	1.8	12.0	SLAUGHTER	126J
SAN ANDRES	5000	1.8	11.5	SLAUGHTER	130J
SAN ANDRES	5005	11.1	10.2	SLAUGHTER	A 270
SAN ANDRES	5025	11.1	10.2	SLAUGHTER	A1070
ARITHMETIC AVERAGE	488.0	7.3	11.3		
GEOMETRIC AVERAGE		5.3			
MEDIAN VALUE		8.5	11.0		
MODE		10.6	9.9		
IDEAL SPECIFIC FLOW RATE =	.7 GPM/FT				
LEONARD (SUB-DIVIDED) SERIES UNDIFFERENTIATED					
UPPER CLEARFORK	5856	9.2	9.5	SHYER	142AG
CLEARFORK	5875	12.7	8.3	SHYER	105AA
CLEARFORK	5900	5.2	8.3	SHYER	162J
CLEARFORK	5920	3.4	8.3	SHYER	A 369
CLEARFORK+DOLOMITE	5944	9.2	8.7	SHYER	105J
CLEARFORK	6000	2.0	9.2	ROPES, EAST	A0271
CLEARFORK	6036	1.4	7.5	ROPES, EAST	120AR
LOWER CLEARFORK	6500	3.3	4.7	ANTON	85AE
CLEARFORK	6550	2.5	6.5	D=L-S	63AP
CLEARFORK	7340		6.3	LINKER	131AD
ARITHMETIC AVERAGE	61.92	5.4	7.7		
GEOMETRIC AVERAGE		4.2			
MEDIAN VALUE		3.4	8.3		
MODE		9.2	8.3		
IDEAL SPECIFIC FLOW RATE =	.9 GPM/FT				
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENNSYLVANIAN REEF	9290	138.0	15.0	ROPES	198AN
ARITHMETIC AVERAGE	9290	138.0	15.0		
GEOMETRIC AVERAGE		138.0			
MEDIAN VALUE		138.0	15.0		
MODE		138.0	15.0		
IDEAL SPECIFIC FLOW RATE =	24.3 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS

HOCKLEY COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CISCO GROUP					
CISCO SAND	9875	16.0	9.0	ROPES, WEST	235AL
ARITHMETIC AVERAGE	9875	16.0	9.0		
GEOMETRIC AVERAGE		16.0			
MEDIAN VALUE		16.0	9.0		
MODE		16.0	9.0		
IDEAL SPECIFIC FLOW RATE =	3.1 GPM/FT				
CANYON GROUP					
CANYON	9630	36.0	6.4	NORTH SMYER	106AA
CANYON 9700 FT.	9700	450.0	10.0	CLAUENE, NORTH	A1270
CANYON REEF	9300	66.0	8.5	ROPES AND SO, ROPES	64AA
CANYON REEF	9315	66.0	8.5	ROPES	93J
ARITHMETIC AVERAGE	9486	154.5	8.3		
GEOMETRIC AVERAGE		91.7			
MEDIAN VALUE		66.0	8.5		
MODE		68.2	8.4		
IDEAL SPECIFIC FLOW RATE =	12.5 GPM/FT				
STRAWN GROUP					
STRAWN	9968	39.0	5.5	NORTH SMYER	107AA
STRAWN	10100		10.0	LEVELLAND	41AA
PENNSYLVANIAN REEF	9280	137.0	15.0	ROPES, SOUTH	234AL
ARITHMETIC AVERAGE	9793	88.0	10.2		
GEOMETRIC AVERAGE		73.1			
MEDIAN VALUE		137.0	10.0		
MODE		41.6	6.0		
IDEAL SPECIFIC FLOW RATE =	7.9 GPM/FT				

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HOPKINS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
FREDERICKSBURG (EDWARDS UNDIVIDED) GROUP					
PALUXY	4497	1800.0	22.0	MITCHELL CREEK	68AN
ARITHMETIC AVERAGE	4497	1800.0	22.0		
GEOMETRIC AVERAGE		1800.0			
MEDIAN VALUE		1800.0	22.0		
MODE		1800.0	22.0		
IDEAL SPECIFIC FLOW RATE =	176.7 GPM/FT				
TRINITY GROUP					
RODESSA, LOWER HILL	7880	30.0	13.9	COMO	46AC
BACON LIME	7900	252.0	20.0	PICKTON	11E
BACON LIME	7900		20.0	PICKTON	71AM
RODESSA, UPPER HILL	7960	69.0	18.4	COMO	45AC
RODESSA, GLOYD	8080	2.5	14.2	COMO	47AC
ARITHMETIC AVERAGE	7944	88.4	17.3		
GEOMETRIC AVERAGE		33.8			
MEDIAN VALUE		69.0	18.4		
MODE		3.2	14.2		
IDEAL SPECIFIC FLOW RATE =	.9 GPM/FT				
JURASSIC UPPER SERIES UNDIFFERENTIATED					
SMACKOVER	9168	25.0	22.0	BRANTLEY JACKSON	A1170
SMACKOVER	9519	25.0		BIRTHRIGHT	21AQ
SMACKOVER	9519		12.0	BIRTHRIGHT	45AS
ARITHMETIC AVERAGE	94.2	25.0	17.0		
GEOMETRIC AVERAGE		25.0			
MEDIAN VALUE		25.0	22.0		
MODE		25.0	12.5		
IDEAL SPECIFIC FLOW RATE =	9.6 GPM/FT				

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 AQUIFER ROCK PROPERTIES
 HOUSTON COUNTY

JUL 1971

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCYES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOODRINE GROUP					
CANTRELL SAND	8353	9.0	15.0	AUSTONIO	59AR
DEXTER ZONE (A)	8610	120.0	16.1	FORT TRINIDAD	51AL
DEXTER ZONE (B)	8675	114.0	16.8	FORT TRINIDAD	52AL
DEXTER	8728	283.0	18.0	FORT TRINIDAD, EAST	27AR
ARITHMETIC AVERAGE	8591	131.5	16.5		
GEOMETRIC AVERAGE		76.8			
MEDIAN VALUE		120.0	16.8		
MODE		121.3	15.2		
IDEAL SPECIFIC FLOW RATE =	38.3 GPM/FT				
WASHITA GROUP					
9100-FT BUDA	9100		7.5	FORT TRINIDAD, EAST	28AR
BUDA LIME	9304		7.0	HALMAN	23AG
ARITHMETIC AVERAGE	9202		7.3		
GEOMETRIC AVERAGE					
MEDIAN VALUE			7.5		
MODE			7.0		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				
FREDERICKSBURG (EDWARDS UNDIVIDED) GROUP					
SUB-CLARKSVILLE	5900	544.0	18.0	GRAPELAND	73AN
ARITHMETIC AVERAGE	5900	544.0	18.0		
GEOMETRIC AVERAGE		544.0			
MEDIAN VALUE		544.0	18.0		
MODE		544.0	18.0		
IDEAL SPECIFIC FLOW RATE =	85.2 GPM/FT				
TRINITY GROUP					
GLEN ROSE U ZONE	11074		9.6	FORT TRINIDAD, WEST	29AD

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HOUSTON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
	TRINITY GROUP				
UPPER GLEN ROSE	11000		10.3	FT TRINIDAD U GL ROS	30C
ARITHMETIC AVERAGE	11037		9.9		
GEOMETRIC AVERAGE					
MEDIAN VALUE			10.3		
MODE			9.6		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD

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SALINE WATER RESOURCES SURVEY

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HOWARD COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
PERMIAN SYSTEM UNDIFFERENTIATED					
PERMIAN	254.0	2.0	10.0	IATAN -EAST HOWARD	A 769
ARITHMETIC AVERAGE	254.0	2.0	10.0		
GEOMETRIC AVERAGE		2.0			
MEDIAN VALUE		2.0	10.0		
MODE		2.0	10.0		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
WHITEHORSE GROUP					
YATES -SEVEN RIVERS	1256	11.5	15.0	HOWARD GLASSCOCK	A 369
WHITEHORSE	1750	12.0	14.4	HOWARD=GLASSCOCK	176I
YATES	1300	166.0	24.8	HOWARD=GLASSCOCK	177I
YATES	1300	187.0	23.0	HOWARD=GLASSCOCK	180I
YATES	1300	120.0	17.0	HOWARD=GLASSCOCK	216I
YATES 1305	1305	40.0	23.0	HOWARD=GLASSCOCK	207I
YATES -SEVEN RIVERS	1320	30.0	20.0	HOWARD=GLASSCOCK	208I
YATES SAND	1322	200.0	23.0	HOWARD GLASSCOCK	100AC
YATES	1350	100.0	24.8	HOWARD=GLASSCOCK	188I
YATES	1370	300.0	24.4	HOWARD=GLASSCOCK	193I
YATES	1390	50.0	23.0	HOWARD=GLASSCOCK	190I
YATES	1390	81.0	26.0	HOWARD=GLASSCOCK	203I
YATES	1400	167.0	29.0	HOWARD=GLASSCOCK	178I
YATES	1400	200.0	24.4	HOWARD=GLASSCOCK	195I
YATES	1400	100.0	25.0	HOWARD=GLASSCOCK	215I
YATES SAND	1408	270.0	26.9	HOWARD =GLASSCOCK	A 569
YATES	3200		23.0	HOWARD=GLASSCOCK	182I
YATES	3200	176.0	24.7	HOWARD=GLASSCOCK	183I
YATES SAND	3200	176.0	24.7	HOWARD=GLASSCOCK	184I
YATES 1400	3200	170.0	20.0	HOWARD=GLASSCOCK	206I
YATES	3800	200.0	23.0	HOWARD GLASSCOCK	26AA
SEVEN RIVERS	1210	10.0	15.0	HOWARD GLASSCOCK	A1069
7-RIVERS	1256	11.5	15.0	HOWARD =GLASSCOCK	A 669
SEVEN RIVERS	1211	10.0	20.0	HOWARD GLASSCOCK	A 670
SEVEN RIVERS	1350	11.0	20.0	HOWARD GLASSCOCK	28AA
SEVEN RIVERS	1350	4.0	15.0	HOWARD=GLASSCOCK	186I
SEVEN RIVERS	1358	47.0	17.7	HOWARD =GLASSCOCK	A 769
SEVEN RIVERS SAND	1447	11.0	20.0	HOWARD GLASSCOCK	101AC
SEVEN RIVERS	1450	30.0	21.0	HOWARD=GLASSCOCK	A1070

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HOWARD COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WHITEHORSE GROUP					
7 -RIVERS	1507	30.0	21.0	HOWARD -GLASSCOCK	A 769
SEVEN RIVERS	1563	30.0	21.0	HOWARD GLASSCOCK	A 370
SEVEN RIVERS (1800)	1800	45.0	21.5	HOWARD-GLASSCOCK	214I
SEVEN RIVERS	1800	5.0	18.0	HOWARD-GLASSCOCK	202I
QUEEN	1281	10.0	20.0	HOWARD GLASSCOCK	A 670
QUEEN SAND	1375	8.0	17.0	HOWARD-GLASSCOCK	A0870
QUEEN	1450	30.0	19.0	HOWARD-GLASSCOCK	A1070
QUEEN	1963	30.0	21.0	HOWARD GLASSCOCK	A 370
QUEEN	1600	57.0	23.0	HOWARD-GLASSCOCK	201I
QUEEN SAND	1625	34.0	19.0	HOWARD GLASSCOCK	102AC
QUEEN SAND	1670	34.6	19.2	HOWARD-GLASSCOCK	A1070
QUEEN	1694	30.0	19.0	HOWARD -GLASSCOCK	A 769
QUEEN	1700	44.0	14.9	HOWARD-GLASSCOCK	194I
QUEEN SAND	1700	15.0	19.5	HOWARD-GLASSCOCK	191I
QUEEN SAND	1720	15.0	19.0	HOWARD GLASSCOCK	A 569
QUEENS SAND	1750	15.0	19.0	HOWARD-GLASSCOCK	200I
QUEEN SAND	1750	34.0	18.0	HOWARD-GLASSCOCK	A037I
QUEEN SAND	1750	34.0	18.0	HOWARD-GLASSCOCK	A1069
QUEEN	1750	10.0	19.0	HOWARD-GLASSCOCK	189I
QUEEN	1750	33.0	20.0	HOWARD-GLASSCOCK	199I
QUEEN	1750	34.0	18.0	HOWARD-GLASSCOCK	179I
QUEEN	1750	34.0	19.0	HOWARD GLASSCOCK	27AA
QUEEN	1763	34.0	19.0	HOWARD-GLASSCOCK	196I
QUEEN	1800	35.0	19.2	HOWARD-GLASSCOCK	187I
QUEEN	1800		8.0	HOWARD-GLASSCOCK	192I
QUEEN	1815	27.0	17.5	HOWARD -GLASSCOCK	A 669
QUEEN	1826	34.0	19.0	HOWARD-GLASSCOCK	197I
QUEEN	1900		20.0	HOWARD-GLASSCOCK	181I
QUEEN	3200	35.0	19.0	HOWARD-GLASSCOCK	204I
QUEEN	3710	17.0	10.0	HOWARD-GLASSCOCK	212I
GRAYBURG = SAN ANDR.	2150	5.0	10.5	HOWARD GLASSCOCK	29AA
GRAYBURG	3050	11.0	9.2	MOORE	385I
GRAYBURG=SAN ANDRES	1912	5.0	10.5	HOWARD GLASSCOCK	103AC
GRAYBURG=SAN ANDRES	2150	17.0	11.2	HOWARD-GLASSCOCK	211I
ARITHMETIC AVERAGE	1788	62.0	19.4		
GEOMETRIC AVERAGE		33.9			
MEDIAN VALUE		34.0	19.4		
MODE		28.6	19.6		
IDEAL SPECIFIC FLOW RATE =	.6 GPM/FT				
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES	1450	30.0	13.0	HOWARD-GLASSCOCK	A1070
SAN ANDRES	1850	1.0	9.0	JATAN	A0970
SAN ANDRES	1870	30.0	13.0	HOWARD -GLASSCOCK	A 769

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HOWARD COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUAJALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES	1900	1.0	9.0	IATAN (SAN ANDRES)	238I
SAN ANDRES	1966	17.0	11.2	HOWARD=GLASSCOCK	A1169
SAN ANDRES	2127	.5	6.5	IATAN	99AI
SAN ANDRES	2171	.5	12.0	HOWARD GLASSCOCK	A 370
SAN ANDRES	2224	60.0	15.2	HOWARD=GLASSCOCK	A0570
SAN ANDRES	2350	10.0	10.0	HOWARD GLASSCOCK	A1169
SAN ANDRES	2641	1.5	9.5	SNYDER	A 770
SAN ANDRES	2700	15.0	13.5	HOWARD=GLASSCOCK	213I
SAN ANDRES	3017	14.0	12.0	MOORE	A 369
SAN ANDRES	3100	400.0	20.0	VAREL	245AL
SAN ANDRES	3125	2.0	8.9	MOORE	386I
SAN ANDRES	3131	27.5	11.3	VAREL (SAN ANDRES)	A 370
SAN ANDRES	3200	15.0	13.5	HOWARD=GLASSCOCK	205I
SAN ANGELO=CLEARFORK	2364	5.0	9.0	IATAN EAST HOWARD	115AF
SAN ANGELO=CLEARFORK	2731	2.2	11.8	IATAN= EAST HOWARD	A 569
SAN ANGELO	2500	10.0	17.0	SNYDER	455I
SAN ANGELO=DOLOMITE	2500	2.0	10.0	SNYDER	457I
GLORIETA	2560	1.0	14.0	HOWARD=GLASSCOCK	185I
GLORIETA	2600	1.0	9.5	SNYDER	452I
GLORIETA	2630	60.0	15.3	HOWARD GLASSCOCK	A 670
GLORIETTA	2650	5.0	15.0	HOWARD GLASSCOCK	A1070
GLORIETTA	2650	4.0	10.0	HOWARD=GLASSCOCK	A1070
GLORIETA	2670	1.0	10.0	SNYDER	A 270
SAN ANDRES=GLORIETTA	2700	20.0	10.0	IATAN, EAST HOWARD	220I
SAN ANDRES=CLEARFORK	2700	2.0	11.8	IATAN, EAST HOWARD	225I
GLORIETA	2760	4.0	10.0	HOWARD=GLASSCOCK	A0470
GLORIETA DOLOMITE	2790	4.0	10.0	HOWARD GLASSCOCK	104AC
GLORIETTA	2830	4.0	8.0	HOWARD GLASSCOCK	A1070
GLORIETA	3060	4.0	10.0	HOWARD GLASSCOCK	A 369
SAN ANGELO	2615		11.0	SNYDER	A 369
SAN ANGELO	2625	6.0	26.0	SNYDER	A 369
GLORIETA=CLEARFORK	2350	1.0	7.5	IATAN EAST	A0970
GLORIETA= CLEARFORK	2400	4.0	10.0	IATAN, EAST HOWARD	224I
GLORIETA CLEARFORK	2500	3.0	12.0	IATAN, EAST HOWARD	A 571
SAN ANGELO=CLEARFORK	2560	5.0	12.0	IATAN, EAST HOWARD	235I
SAN ANGELO=CLEARFORK	2600	5.0	9.0	SNYDER	453I
SAN ANGELO=CLEARFORK	2600	1.0	12.0	SNYDER	454I
SAN ANGELO=CLEARFORK	2600	5.0	9.0	SNYDER	459I
SAN ANGELO=CLEARFORK	2600		15.0	SNYDER	460I
GLORIETA=CLEARFORK	2600	4.0	10.0	HOWARD=GLASSCOCK	A0170
GLORIETA=CLEARFORK	2650	4.0	10.0	HOWARD=GLASSCOCK	A1270
SAN ANGELO=CLEARFORK	2700	2.0	9.0	IATAN, EAST HOWARD	222I
S. ANG. CLRFRK S. AND.	2700	2.0	12.0	IATAN, EAST HOWARD	227I
S. ANG. CLRFRK S. AND.	2700	2.0	12.0	IATAN, EAST HOWARD	228I
S. ANG. CLRFRK S. AND.	2700	2.0	12.0	IATAN, EAST HOWARD	229I
S. ANG. CLRFRK S. AND.	2700	2.0	12.0	IATAN, EAST HOWARD	230I
S. ANG. CLRFRK S. AND.	2700	2.0	12.0	IATAN, EAST HOWARD	231I
S. ANG. CLRFRK S. AND.	2700	2.0	12.0	IATAN, EAST HOWARD	232I

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
S. ANG. CLRFRK S. AND.	2700	2.0	12.0	IATAN, EAST HOWARD	236I
SAN ANGELO-CLEARFORK	2700	10.0	12.0	SNYDER	456I
GLORIETA= CLEARFORK	2700	2.0	10.0	IATAN, EAST HOWARD	219I
GLORIETA= CLEARFORK	2700	5.0	12.0	IATAN, EAST HOWARD	226I
SAN ANGELO-CLEARFORK	2800	2.0	10.0	IATAN, EAST HOWARD	217I
SAN ANGELO-CLEARFORK	2800	2.0	10.0	IATAN, EAST HOWARD	221I
GLORIETA = CLR. FRK.	3200	4.0	10.0	HOWARD GLASSCOCK	30AA
CLEARFORK-SAN ANGELO	2700	2.2	12.0	IATAN, EAST HOWARD	A 770
ARITHMETIC AVERAGE	2600	14.7	11.6		
GEOMETRIC AVERAGE		4.1			
MEDIAN VALUE		4.0	11.3		
MODE		2.8	9.4		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
LEONARD (SUB-DIVIDED) SERIES UNDIFFERENTIATED					
CLEARFORK	2600	5.0	9.4	SNYDER	458I
ARITHMETIC AVERAGE	2600	5.0	9.4		
GEOMETRIC AVERAGE		5.0			
MEDIAN VALUE		5.0	9.4		
MODE		5.0	9.4		
IDEAL SPECIFIC FLOW RATE =	.2 GPM/FT				
WOLFCAMP SERIES UNDIFFERENTIATED					
WOLFCAMP	7421	1.0	5.0	HUTTO+SOUTH	6740
WOLFCAMP	7400	1.0	5.0	HUTTO SOUTH	A 269
ARITHMETIC AVERAGE	7410	1.0	5.0		
GEOMETRIC AVERAGE		1.0			
MEDIAN VALUE		1.0	5.0		
MODE		1.0	5.0		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENNSYLVANIAN REEF	7345	15.0	7.0	GARTNER	4570
PENNSYLVANIAN REEF	7444		12.0	VINCENT, NORTH	122AI
PENNSYLVANIAN	7444	80.0	8.5	VINCENT, WEST	156AH
PENNSYLVANIAN	8140	1101.0	10.6	OCEANIC	125AH
ARITHMETIC AVERAGE	7593	398.7	9.5		
GEOMETRIC AVERAGE		109.7			
MEDIAN VALUE		80.0	10.6		
MODE		19.0	7.3		
IDEAL SPECIFIC FLOW RATE =	2.9 GPM/FT				

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CANYON GROUP					
CANYON REEF	7400	14.0	12.0	EAST VEALMOOR	A1070
CANYON REEF	7800	32.0	10.4	VEALMOOR	217AN
CANYON REEF	8140	84.0	12.4	OCENIC	192AN
ARITHMETIC AVERAGE	7780	43.3	11.6		
GEOMETRIC AVERAGE		33.5			
MEDIAN VALUE		32.0	12.0		
MODE		15.4	10.5		
IDEAL SPECIFIC FLOW RATE =	2.4 GPM/FT				
STRAWN GROUP					
STRAWN	8954		12.0	BIG SPRING	107AD
PENNSYLVANIAN REEF	7400	267.0	9.0	VINCENT, NORTH	499I
ARITHMETIC AVERAGE	8177	267.0	10.5		
GEOMETRIC AVERAGE		267.0			
MEDIAN VALUE		267.0	12.0		
MODE		267.0	9.2		
IDEAL SPECIFIC FLOW RATE =	45.7 GPM/FT				
HUNTON GROUP					
SILURIAN -DEVONIAN	9884	16.2	14.6	LUTHER S.E.	A 469
SILURIAN-DEVONIAN	10000	13.0	12.0	LUTHER, SOUTHEAST	119AM
ARITHMETIC AVERAGE	9942	14.6	13.3		
GEOMETRIC AVERAGE		14.5			
MEDIAN VALUE		16.2	14.6		
MODE		13.1	12.1		
IDEAL SPECIFIC FLOW RATE =	2.9 GPM/FT				
SILURIAN LOW-MID SERIES UNDIFFERENTIATED					
FUSSELMAN	9568		11.4	BIG SPRINGS	136AJ
FUSSELMAN	9597	5.0	11.9	BIG SPRING	2AA
FUSSELMAN	9855	16.0	15.0	LUTHER, S.E.	42AA
ARITHMETIC AVERAGE	9673	10.5	12.8		
GEOMETRIC AVERAGE		8.9			
MEDIAN VALUE		16.0	11.9		
MODE		5.3	11.6		
IDEAL SPECIFIC FLOW RATE =	1.2 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WICHITA GROUP					
DOLOMITE	2977	28.0	9.0	PANHANDLE	A0170
PANHANDLE	3100	8.0	12.0	PANHANDLE	A 770
PANHANDLE	3210	28.0	9.0	PANHANDLE HUTCHINSON	A0171
ARITHMETIC AVERAGE	30.96	21.3	10.0		
GEOMETRIC AVERAGE		18.4			
MEDIAN VALUE		28.0	9.0		
MODE		26.4	9.2		
IDEAL SPECIFIC FLOW RATE =	1.1 GPM/FT				
WOLFCAMP SERIES UNDIFFERENTIATED					
DOLOMITE	250	30.0	12.0	PANHANDLE	A0470
BROWN DOLOMITE	2500	10.0	14.0	PANHANDLE HUTCHNSN.	A0371
DOLOMITE	2600	150.0	10.0	PANHANDLE	A0970
WHITE DOLOMITE	2625	23.0	10.0	PANHANDLE HUTCHINSON	A 869
PANHANDLE BROWN DOL.	2664	10.0	12.0	PANHANDLE	A 669
DOLOMITE	2800	12.0	9.0	PANHANDLE HUTCHINSON	68L
BROWN DOLOMITE	2824	6.0	12.0	PANHANDLE	A0271
BROWN DOLOMITE	2900	6.0	12.0	PANHANDLE HUTCHINSON	A1070
MOORE OO. LIME	2950	23.0	9.6	PANHANDLE HUTCHINSON	67L
BROWN DOLOMITE	3000	6.0	11.0	PANHANDLE HUTCHINSON	66L
BROWN DOLOMITE	3000	8.0	13.2	PANHANDLE HUTCHINSON	80L
BROWN DOLOMITE	3000	10.0	12.0	PANHANDLE HUTCHINSON	81L
BROWN DOLOMITE	3000	15.0	15.0	PANHANDLE HUTCHINSON	82L
DOLOMITE	3000	10.0	12.0	PANHANDLE HUTCHINSON	89L
BROWN DOLOMITE	3100	44.0	13.8	PANHANDLE HUTCHINSON	79L
DOLOMITE	3150	65.0	15.0	PANHANDLE HUTCHINSON	88L
BROWN DOLOMITE	3200	28.0	9.0	PANHANDLE	A0371
WHITE DOLOMITE	3200	10.0	12.0	PANHANDLE	A1070
BROWN DOLOMITE	3200	25.0	12.0	PANHANDLE HUTCHINSON	78L
BROWN DOLOMITE	3200	20.0	14.0	PANHANDLE HUTCHINSON	93L
WHITE DOLOMITE	3250		15.0	PANHANDLE HUTCHINSON	94L
BROWN DOLOMITE	4200	20.0	14.0	PANHANDLE HUTCHINSON	92L
ARITHMETIC AVERAGE	2891	25.3	12.2		
GEOMETRIC AVERAGE		16.9			
MEDIAN VALUE		15.0	12.0		
MODE		9.9	11.7		
IDEAL SPECIFIC FLOW RATE =	.4 GPM/FT				

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HUTCHINSON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
GRANITE WASH	2972	25.0	15.0	PANHANDLE	A0470
GRANITE WASH	3150	25.0	15.0	PANHANDLE	A0470
ARITHMETIC AVERAGE	3061	25.0	15.0		
GEOMETRIC AVERAGE		25.0			
MEDIAN VALUE		25.0	15.0		
MODE		25.0	15.0		
IDEAL SPECIFIC FLOW RATE =	1.0 GPM/FT				
STRAWN GROUP					
LOWER STRAWN SAND	5454	18.5	13.7	DAVAN	59AC
ARITHMETIC AVERAGE	5454	18.5	13.7		
GEOMETRIC AVERAGE		18.5			
MEDIAN VALUE		18.5	13.7		
MODE		18.5	13.7		
IDEAL SPECIFIC FLOW RATE =	1.7 GPM/FT				
MARMATON GROUP					
OSWEGO (PENN)	6000	6.0	19.0	NO. HUTCHINSON	14AB
ARITHMETIC AVERAGE	6000	6.0	19.0		
GEOMETRIC AVERAGE		6.0			
MEDIAN VALUE		6.0	19.0		
MODE		6.0	19.0		
IDEAL SPECIFIC FLOW RATE =	.6 GPM/FT				
ATOKA GROUP UNDIFFERENTIATED					
MOORE COUNTY LIME	2625	23.0	10.0	PANHANDLE HUTCHINSON	A 869
MOORE COUNTY LIME	3200	10.0	12.0	PANHANDLE	A1070
ARITHMETIC AVERAGE	2912	16.5	11.0		
GEOMETRIC AVERAGE		15.2			
MEDIAN VALUE		23.0	12.0		
MODE		10.4	10.1		
IDEAL SPECIFIC FLOW RATE =	.4 GPM/FT				
MORROW SERIES UNDIFFERENTIATED					
LOWER MORROW	8200	1.0	10.0	JOHN CREEK	13AB
ARITHMETIC AVERAGE	8200	1.0	10.0		
GEOMETRIC AVERAGE		1.0			
MEDIAN VALUE		1.0	10.0		
MODE		1.0	10.0		
IDEAL SPECIFIC FLOW RATE =	.2 GPM/FT				

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IRION COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANGELO	822	50.0	20.0	WRIGHT-FEATHER	58A0
SAN ANGELO SAND	1150	230.0	17.7	BROOKS	8H
SAN ANGELO	1200		20.0	BOOKS	99AH
SAN ANGELO	1600	42.0	14.7	MERTZON	52H
SAN ANGELO	1648	42.0	19.0	MERTZON	53H
SAN ANGELO REEF	1600	43.2	20.4	MERTZON	A0171
SAN ANGELO	1648	240.0	22.1	MERTZON	91AK
ARITHMETIC AVERAGE	1381	107.9	19.1		
GEOMETRIC AVERAGE		77.1			
MEDIAN VALUE		50.0	20.0		
MODE		46.0	20.3		
IDEAL SPECIFIC FLOW RATE =	.7 GPM/FT				
LEONARD (SUB-DIVIDED) SERIES UNDIFFERENTIATED					
CLEARFORK LOWER	3390		12.0	LUCKY-MAG	70AI
CLEARFORK	4400	14.0	12.9	KETCHUM MT.	39H
CLEARFORK	4450	13.0	12.9	KETCHUM MT.	36H
CLEARFORK	4450	13.0	12.9	KETCHUM MT.	38H
CLEARFORK	4450	13.0	12.9	KETCHUM MT.	40H
CLEARFORK	4450	13.0	12.9	KETCHUM MT.	41H
CLEARFORK	4450	13.0	12.9	KETCHUM MT.	42H
CLEARFORK	4548	13.0	12.9	KETCHUM MT.	37H
CLEARFORK	4548	22.8	17.5	KETCHUM MOUNTAIN	122AJ
CLEARFORK	4548	13.7	15.1	KETCHUM MOUNTAIN	98AG
ARITHMETIC AVERAGE	4368	14.3	13.5		
GEOMETRIC AVERAGE		14.0			
MEDIAN VALUE		13.0	12.9		
MODE		13.4	12.8		
IDEAL SPECIFIC FLOW RATE =	.9 GPM/FT				
CISCO GROUP					
CISCO	5980		15.0	DOVE CREEK	74AR
ARITHMETIC AVERAGE	5980		15.0		
GEOMETRIC AVERAGE					
MEDIAN VALUE			15.0		
MODE			15.0		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				

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IRION COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CANYON GROUP					
LOWER CANYON	6250	3.5	11.3	BROOKS	81AF
6290 FT. CANYON	6290	25.0	16.0	BROOKS	75AE
CANYON -B	6354	3.0	13.0	DOVE CREEK	73AR
CANYON	6517	5.0	13.0	MERTZON	50AP
CANYON	6684	5.0	13.0	SIXTY-SEVEN	41AO
CANYON	6696	1.0	12.0	WAYNE-HARRIS	86AR
ARITHMETIC AVERAGE	6465	7.1	13.0		
GEOMETRIC AVERAGE		4.3			
MEDIAN VALUE		5.0	13.0		
MODE		3.1	12.9		
IDEAL SPECIFIC FLOW RATE =	.4 GPM/FT				
STRAWN GROUP					
STRAWN REEF	6898	15.0	8.5	SIXTY SEVEN	65AS
ARITHMETIC AVERAGE	6898	15.0	8.5		
GEOMETRIC AVERAGE		15.0			
MEDIAN VALUE		15.0	8.5		
MODE		15.0	8.5		
IDEAL SPECIFIC FLOW RATE =	2.1 GPM/FT				

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CISCO GROUP					
GUNSIGHT	300	90.0	20.0	JACK CO. REGULAR	458K
GUNSIGHT SAND	315	27.0	20.0	JACK COUNTY REGULAR	A0371
GUNSIGHT 320 FT	320	2318.0	25.0	JACK CO. REGULAR	457K
GUNSIGHT SAND	450		22.0	JACK CO. REGULAR	453K
GUNSIGHT SAND	500	300.0	18.0	JACK CO. REGULAR	455K
GUNSIGHT	550	450.0	25.0	ELLIS	371K
GUNSIGHT	600	450.0	25.0	ELLIS	372K
GUNSIGHT	600	400.0	26.0	JACK CO. REGULAR	459K
GUNSIGHT	605	40.0	18.0	JACK COUNTY REGULAR	A1069
ARITHMETIC AVERAGE	471	509.4	22.1		
GEOMETRIC AVERAGE		219.9			
MEDIAN VALUE		400.0	22.0		
MODE		500.0	24.8		
IDEAL SPECIFIC FLOW RATE =	2.5 GPM/FT				
CANYON GROUP					
BUTTRAM (CANYON)	1910	515.0	21.1	AVIS, SOUTH	142K
ARITHMETIC AVERAGE	1910	515.0	21.1		
GEOMETRIC AVERAGE		515.0			
MEDIAN VALUE		515.0	21.1		
MODE		515.0	21.1		
IDEAL SPECIFIC FLOW RATE =	13.0 GPM/FT				
STRAWN GROUP					
BUTTRAM	2200	111.0	20.3	AVIS, EAST	140AM
STRAWN	2250	89.0	18.7	CHERRYKIRK	147AM
STRAWN	2456	85.0	17.5	ADA	A 369
STRAWN, UPPER	2464		23.0	GRESHAM, EAST	130AR
BUTTRAM	2612	106.0	22.0	JACK CO. REGULAR	443K
BUTTRAM	2620	106.0	22.0	COUNTY REGULAR	A 270
NELSON SAND	2750	68.0	17.0	BRYSON, EAST	186K
BRYSON SAND	2900	100.0	16.0	JACK COUNTY REGULAR	A0970
Upper BRYSON	2900	50.0	18.0	PLEMONS	651K

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAWN GROUP					
STRAWN	2900	20.0	17.0	BRYSON, EAST	191K
UPPER STRAWN	2900	200.0	16.0	ADA	137AM
STRAWN	2948	50.0	18.0	PLEMONS (STRAWN)	A 869
STRAWN	3000	50.0	18.0	PLEMONS	652K
3065 BRYSON	3065	200.0	17.1	KEN=RICH, SOUTH	150AS
BRYSON=STRAWN	3100	40.0	18.0	REGULAR	A 269
STRAWN	3100	2.0	16.0	JACK CO. REGULAR	460K
STRAWN	3158	100.0	18.0	PLEMONS STRAWN	A 669
BRYSON	3200	118.0	16.1	BRYSON, EAST	188K
STRAWN	3244	35.0	13.0	DOUG'S E. ANTELOPE	359K
STRAWN	3250	75.0	20.0	PLEMONS	653K
STRAWN	3300	123.7	20.0	AVIS, EAST (BRYSON)	141K
STRAWN	3400	38.0	13.8	DEARING	149AM
STRAWN SAND	3450	125.0	18.0	MC DONALD	A1070
BRYSON (A) STRAWN	3463	76.0	21.0	MCDONALD (STRAWN)	579K
STRAWN SAND	3469	85.0	17.9	ADA (STRAWN)	5K
BRYSON	3490	85.0	18.0	ADA (STRAWN)	4K
3600 FT STRAWN SAND	3600	30.0	14.0	MERCURY (STRAWN)	587K
BRYSON SAND	3610	270.0	19.8	JACK CO. REGULAR	449K
BRYSON	3614	25.0	15.0	WARD=MCCULLOUGH	732K
STRAWN	3620	15.0	15.0	WARD=MCCULLOUGH	734K
BRYSON	3650	15.0	13.0	JACK CO. REGULAR	446K
STRAWN	3650	25.0	20.0	WARD=MCCULLOUGH	733K
BRYSON	3786	15.0	12.0	LODGE CREEK	568K
CADDO LIME	3800	10.0	9.0	ALCO	A0970
CADDO LIME	3800	10.0	9.0	ALCO	8K
STRAWN	4000	268.0	19.8	DOUG JOHNSON	150AM
STRAWN	4023	335.0	19.8	DOUG JOHNSON	A 270
CADDO CONGLOMERATE	4450	19.0	12.0	RUSMAG	675K
1ST CADDO CONG.	4450	19.0	12.5	RUSMAG	180AM
CADDO CONGL.	4456	19.0	12.0	RUS MAG	A 369
CADDO CONGLOMERATE	4501	5.0	14.0	PERRIN, SOUTH	158AG
CADDO CONGLOMERATE	4600	45.0	15.0	WORSHAM=STEED	1035K
CADDO CONGLOMERATE	4617	61.0	17.0	RUSMAG	677K
CONGLOMERATE WATER.	4708	23.5	13.0	WORSHAM STEED	A 370
CONG. WATERFLOOD	4708	23.5	13.0	WORSHAM STEED	A 670
CONGLOMERATE	4708	23.5	13.0	WORSHAM STEED	A 869
WATERFLOOD	4708	23.5	13.0	WORSHAM STEED	A 869
CADDO	4900		18.0	WIZARD WELLS	167AH
4900 CADDO CONG.	4900		18.0	KEN=RICH	148AS
CADDO CONGLOMERATE	4941		12.0	WIZARD, NORTH	160AS
CADDO CONGLOMERATE	5000	18.5	10.8	RUSMAG	678K
5100 CADDO	5100	200.0	17.4	KEN=RICH	149AS
CADDO	5144		16.0	JUPITER	160AC
CONGLOMERATE	5274	68.0	18.5	KEN=RICH	135AK
ARITHMETIC AVERAGE	3702	75.6	16.3		
GEOMETRIC AVERAGE		46.6			
MEDIAN VALUE		50.0	17.0		
MODE		96.2	18.1		
IDEAL SPECIFIC FLOW RATE =	6.0 GPM/FT				

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JACK COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
ATOKA GROUP UNDIFFERENTIATED					
5360 ATOKA	5360		15.0	MARYETTA	71AQ
5610 FT. ATOKA LM.	5610		15.0	JUPITER	161AC
5700 ATOKA	5742		12.0	MARYETTA	135AR
ATOKA CONGLOMERATE	5816		14.9	GILLEY, WEST	146AS
UPPER ATOKA CONG.	5880		18.0	CUNDIFF, NORTH	167AD
ATOKA	6099		5.0	CATLIN, SW	74AQ
ARITHMETIC AVERAGE	5751		13.3		
GEOMETRIC AVERAGE					
MEDIAN VALUE			15.0		
MODE			14.8		
IDEAL SPECIFIC FLOW RATE =	0.0 GPH/FT				
BEND GROUP					
CONGLOMERATE	4450	19.0	12.5	ZAZA	191AM
BEND CONGLOMERATE	4500	50.0	14.0	WORSHAM-STEED	1033K
CONGLOMERATE 4540 FT	4550	45.0	15.0	WORSHAM-STEED	1034K
BEND CONGLOMERATE	4700	23.5	13.0	WORSHAM-STEED	1031K
BEND CONGLOMERATE	4800	50.0	14.0	WORSHAM-STEED	1032K
MARBLE FALLS CONG.	5600	8.5	12.0	JUPITER	479K
MARBLE FALLS	5820		12.6	WEILER	142AR
ARITHMETIC AVERAGE	4917	32.7	13.3		
GEOMETRIC AVERAGE		27.4			
MEDIAN VALUE		45.0	13.0		
MODE		45.9	12.5		
IDEAL SPECIFIC FLOW RATE =	4.6 GPH/FT				
MISSISSIPPIAN SYSTEM UNDIFFERENTIATED					
4800 MISSISSIPPIAN	4800	17.0	11.0	VAN HOOSIER	158AS
CONGLOMERATE	5720		18.0	CHERRYKIRK	129AR
MISSISSIPPIAN	5720	125.0	16.0	ADA	175AJ
ARITHMETIC AVERAGE	5413	71.0	15.0		
GEOMETRIC AVERAGE		46.1			
MEDIAN VALUE		125.0	16.0		
MODE		18.9	11.4		
IDEAL SPECIFIC FLOW RATE =	2.1 GPH/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
MIOCENE SERIES UNDIFFERENTIATED					
MIOCENE	2430	2065.0	33.0	COLLIER	IAK
COLLIER SAND	2436	2065.0	33.0	COLLIER	A 571
C-3 SAND	2680	2080.0	33.0	CORDELE, SOUTHEAST	3AG
MIOCENE M=2	2687	600.0	27.0	CORDELE M=2	A 669
SEGMENT (A)	2800	3000.0	33.0	CORDELL, WEST	9AL
MIOCENE SAND	2800	600.0	27.0	CORDELE	6AF
ARITHMETIC AVERAGE	2639	1735.0	31.0		
GEOMETRIC AVERAGE		1457.3			
MEDIAN VALUE		2065.0	33.0		
MODE		2012.7	32.7		
IDEAL SPECIFIC FLOW RATE =	88.3 GPM/FT				
GUEYDAN=CATAHOULA GROUP					
4700 FT. ZONE	4700	1411.0	33.6	GANADO, WEST	9AC
MARGINULINA	4975	290.0	30.7	WEST RANCH	A1069
MARGINULINA	5000	290.0	30.7	WEST RANCH MARGLN.	59B
MARGINULINA 3	5067	85.0	22.0	GANADO	7AE
MARGINULINA	5220	175.0	23.0	HAURBRO	5AP
MARGINULINA	5225	164.0	29.0	LOLITA	11AL
4700 FT. ZONE (FRIO)	4700	1411.0	33.6	GANADO, WEST	A1070
GRETA SAND	4700	1411.0	33.6	GANADO, WEST	5AH
	5000	1600.0	24.0	STEWART	8AO
5050 SAND	5050	1600.0	24.0	STEWART	26AD
GRETA	5108	1000.0	32.0	WEST RANCH	9AO
GRETA SAND	5108	1000.0	31.9	WEST RANCH	42AM
GLASSCOCK ZONE	5300	394.0	29.4	WEST RANCH GLCOX ZN	58B
TONEY SAND	5450	300.0	32.0	WEST RANCH	13AE
GAS SAND	5500	225.0	28.0	EL TORO, SOUTH	A0271
GLASSCOCK ZONE	5522	394.0	29.4	WEST RANCH GLCOX ZN	57B
GLASSCOCK ZONE	5550	394.0	29.4	WEST RANCH	56B
MITCHELL	5570	250.0	27.0	WEST RANCH MITCHELL	60B
5600 FT. SAND	5600	902.0	30.9	EL TORO, SOUTH	7AC
TONEY ZONE	5663	100.0	25.0	LOLITA	4AO
WARD	5700	1200.0	31.4	WEST RANCH (WARD)	61B
WARD ZONE	5705	1000.0	31.1	WEST RANCH	55B
WARD ZONE	5720	1228.0	31.1	WEST RANCH	A1070
WARD ZONE	5720	1228.0	31.1	WEST RANCH (WARD ZN)	

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GUEYDAN-CATAHOULA GROUP					
WARD ZONE	5727	1228.0	31.1	WEST RANCH	A 370
WARD	5750	1228.0	31.1	WEST RANCH	A1170
41-A ZONE (FRIO)	5750	1696.0	30.7	WEST RANCH	8AH
41-A SAND	5750	1732.0	30.7	WEST RANCH	43AM
WARD ZONE	5775	1228.0	31.1	WEST RANCH	A1070
WARD ZONE	5875	635.0	30.0	LOLITA	13AL
WARD ZONE	5875	635.0		LOLITA	5AQ
FRIO	5880	496.0	29.9	TEXANA-NORTH	6AQ
VENADO SAND	6066	349.0	31.0	LOTITA	6AJ
98-A SAND (FRIO)	6145	504.0	31.4	WEST RANCH	44AM
DEEP	6200	302.0	29.2	STEWART	15AR
VANBERBILT SAND	6279	7548.0	35.4	WEST RANCH	8AJ
6300 FT. SAND	6300	1780.0	33.0	GABRYSCH SEGMENT A	4AG
FOUR-WAY ZONE	6330	878.0	31.0	LOLITA DEEP	14AL
6400 FT. SAND	6400	510.0	30.0	GABRYSCH SEGMENT A	5AG
MIDDLE FRIO ZONE	6400	5000.0	34.0	GANADO (DEEP)	6AE
MOPAC	6446		32.7	LOLITA DEEP	11AI
MULTIQUIST	6450	5000.0	34.0	GANADO DEEP HULTQUIST	17B
MIDDLE FRIO SAND	6483	5000.0	34.0	GANADO DEEP	4AK
FRIO	6483	5000.0	34.0	GANADO DEEP	4AJ
PAGEL	6565	300.0	28.0	STEWART	16AR
6600 FT. SAND	6600	210.0	33.0	GABRYSCH SEGMENT A	6AG
FRIO	6650	700.0	28.0	GANADO DEEP	5AJ
UPPER 6650 FT.	6650	700.0	28.0	GANADO	9AD
6700 FOOT	6770	400.0	27.0	HORNBUCKLE S 6670 FT	30B
MATHIESON	6861	1923.0	30.2	LOLITA DEEP	10AI
7000 FT. ZONE	7000	677.0	29.2	LOLITA DEEP	15AL
FRIO	7000	667.0	29.4	LOLITA (DEEP 7000)	6AO
FRIO SAND	7000	150.0	34.4	FRANCITAS	7AD
7030 FRIO	7030	228.0	27.1	FRANCITAS	10AR
FRANCITAS A SAND	7080	260.0	30.5	FRANCITAS	8AD
A-1 RESERVOIR	7087	1800.0	27.0	FRANCITAS, NORTH	11AM
7160 FRIO	7160	364.0	29.8	FRANCITAS	11AR
7200 FT. SAND	7200	1000.0	33.0	WEST RANCH	16AC
7215 FOOT	7200	360.0	28.0	HORNBUCKLE S 7215 FT	31B
FRIO	7273	196.0	29.2	GANADO (F=17)	4AO
BROUGHTON	7395	688.0	32.5	FRANCITAS	8AR
	7500	100.0	26.0	MOODY RANCH	7AO
7700 FT.	7700		28.4	LOLITA DEEP	16AL
C-1 RESERVOIR	7770	1500.0	28.0	FRANCITAS, NORTH	13AM
7900 FT.	7900	227.0	30.6	LOLITA DEEP	17AL
MID-KOENICKY	7954	866.0	31.2	FRANCITAS	9AR
8000 FT.	8000	4720.0	34.7	LOLITA DEEP	18AL
DEEP, 8000 FT ZONE	8000	4720.0	34.7	LOLITA	4AP
8250 FT. FRIO	8250	182.0	31.5	FRANCITAS	8AC
B-1 RESERVOIR	8649	3000.0	31.0	FRANCITAS, NORTH	12AM
9060 CLEMENS	9060	161.0	29.9	L. RANCH	3AP
LOWER FRIO	6467	480.0	31.8	GANADO, EAST	14AM
ARITHMETIC AVERAGE	6319	1219.7	30.3		
GEOMETRIC AVERAGE		688.6			
MEDIAN VALUE		688.0	30.7		
MODE		1027.7	30.7		
IDEAL SPECIFIC FLOW RATE =	180.1 GPM/FT				

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JACKSON GROUP					
JACKSON SAND	4544	617.0	31.0	RAMIRENA, SOUTHWEST	5AN
ARITHMETIC AVERAGE	4544	617.0	31.0		
GEOMETRIC AVERAGE		617.0	31.0		
MEDIAN VALUE		617.0	31.0		
MODE		617.0	31.0		
IDEAL SPECIFIC FLOW RATE =	60.3 GPM/FT				
TRINITY GROUP					
MITCHELL ZONE	5850	243.0	30.8	LOLITA	12AL
ARITHMETIC AVERAGE	5850	243.0	30.8		
GEOMETRIC AVERAGE		243.0	30.8		
MEDIAN VALUE		243.0	30.8		
MODE		243.0	30.8		
IDEAL SPECIFIC FLOW RATE =	35.9 GPM/FT				

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JASPER COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CLAIBORNE GROUP					
4-A YEGUA	6380	840.0	34.2	GEBHART	24AF
3-D YEGUA	6382	480.0	33.4	GEBHART	14AH
Y-1 SAND	6500	510.0	23.0	SALLY WITHERS LAKE	34AI
Y-2 SAND	6550	260.0	28.0	SALLY WITHERS LAKE	35AI
Y-4 SAND	6720	823.0	31.0	SALLY WITHERS LAKE	36AI
NO. 5 YEGUA	7118	350.0	32.0	BUNA, NORTH	20AC
NO. 7 YEGUA	7200	482.0	28.7	BUNA, NORTH	28AL
ARITHMETIC AVERAGE	6693	536.1	30.0		
GEOMETRIC AVERAGE		497.5			
MEDIAN VALUE		482.0	31.0		
MODE		496.4	33.6		
IDEAL SPECIFIC FLOW RATE =	106.9 GPM/FT				
WILCOX GROUP					
8925 FT. WILCOX SAND	8885	203.0	24.0	CALL JUNCTION	A0371
WILCOX	9050	43.0	23.0	CHAMPION	13AG
9050 WILCOX	9050	53.0	23.6	CHAMPION (9050 WILCOX)	14C
	9572	13.5	21.0	LE VERTE SWITCH	21AP
ARITHMETIC AVERAGE	9139	76.1	22.9		
GEOMETRIC AVERAGE		50.0			
MEDIAN VALUE		53.0	23.6		
MODE		15.6	21.2		
IDEAL SPECIFIC FLOW RATE =	6.2 GPM/FT				

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JEFFERSON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCFIS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
MIOCENE SERIES UNDIFFERENTIATED					
4550 FT SAND	4550		33.0	SPINDLETOP	83C
M 20 B	5471	312.0	32.0	HIGH ISLAND, BLK. 52	13A0
M 26 E	5829	328.0	32.8	HIGH ISLAND, BLK. 52	14A0
	7303	213.0	31.0	MCFADDIN BEACH D D=2	19A0
ARITHMETIC AVERAGE	5788	284.3	32.2		
GEOMETRIC AVERAGE		279.3			
MEDIAN VALUE		312.0	32.8		
MODE		217.7	31.1		
IDEAL SPECIFIC FLOW RATE =	34.7 GPM/FT				
GUEYDAN-CATAHOULA GROUP					
MARGINULINA NO. 3	6228		30.0	AMELIA	21AL
MARGINULINA 3	6228	840.0	30.0	AMELIA	12AG
MARG-TEX NO.1 SD FB	6540	312.0	29.6	FANNETT	24C
MARGINULINA	7725	300.0	29.0	HILLEBRANDT BAYOU	36C
MARGINULINA FLT. 2	8400	2500.0	34.0	BIG HILL MARG. FLT 2	10C
6000 FT SAND	6000	900.0	30.0	STOWELL	28AS
FRIO 1	6316		30.0	AMELIA	20AL
FRIO 1	6316	400.0	34.0	AMELIA	11AG
FRIO 2	6398	1000.0	30.0	AMELIA=FRIO 2	1C
6500 FT. SAND	6500	200.0	29.0	STOWELL	43AD
FRIO 6	6700	1400.0	31.0	AMELIA=FRIO 6	2C
FRIO 6	6800	1390.0	31.0	AMELIA	19AL
FRIO 6	6800	1400.0	31.0	AMELIA	10AG
6820 FT SAND	6820	900.0	30.0	STOWELL	29AS
V SAND	6977	3000.0	31.6	NOME	21AG
D=2 FRIO	7302	213.0	31.0	MC FADDIN BEACH	A 269
V=2A SAND	7361	463.0	28.0	NOME	49AL
FRIO 2	7750	500.0	28.4	LOVELLS LAKE=FRIO 2	50C
HACKBERRY	7800		30.0	PHELAN=	A 269
X SAND	7850	2400.0	30.0	NOME	60AL
HACKBERRY (FRIO)	7975	64.0	31.1	BOYT	10AH
HACKBERRY (FRIO)	8000	690.0	35.7	WEED	26AH
HACKBERRY	8075	730.0	33.4	NOME, SOUTH	30AI
8500 FRIO	8500	18.3	24.7	FANNETT, EAST	24AS
ARITHMETIC AVERAGE	7140	934.3	30.5		
GEOMETRIC AVERAGE		569.3			
MEDIAN VALUE		730.0	30.0		
MODE		865.8	29.7		
IDEAL SPECIFIC FLOW RATE =	195.9 GPM/FT				

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JIM HOGG COUNTY

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GUEYDAN=CATAHOULA GROUP					
K=2,3,4	4714	418.0	24.8	KELSEY	18A0
M=2	4720	454.0	25.1	KELSEY, M=2	117D
K=1	4802	270.0	21.5	KELSEY	17A0
4900 FT. SAND	4900	780.0	25.0	KELSEY	11AN
ROBERTS SAND	4981	1300.0	29.6	MAGNOLIA CITY, NORTH	12AN
17=B(N)	5302	296.0	24.9	KELSEY (DEEP, 17=B,N)	118D
18=B(N) = C(N)	5502	446.0	26.8	KELSEY, DEEP, 18=B=C,N	120D
20=A (N)	5687	170.0	26.5	KELSEY, DEEP 20=A (N)	125D
18=E (FRIO)	5707	308.0	23.5	KELSEY	A 270
19 K	5717	258.0	23.4	KELSEY, DEEP, ZONE 19K	124D
21=E (N)	5805	172.0	26.0	KELSEY DEEP 21=E(N)	130D
20=F(N), H(N)	5818	100.0	26.4	KELSEY, DEEP 20=F+H N	128D
20=J (N)	5828	149.0	26.4	KELSEY DEEP 20=J(N)	129D
M=2 (VICKSBURG=FRIO)	4738	454.0	25.1	KELSEY (M=2)	A 370
17=B(N) (VKB=FRIO)	5430	296.0	24.9	KELSEY (DEEP)	A 370
ZONE 19=H	5500	500.0	21.0	KELSEY DEEP	42AG
Z18=C(N) (VKB=FRIO)	5508	446.0	26.8	KELSEY (DEEP)	A 770
Z18=B(N) (VKB=FRIO)	5508	446.0	26.8	KELSEY (DEEP)	A 770
Z20=A(N) (VKB=FRIO)	5962	170.0	26.5	KELSEY DEEP	A 870
Z0=A (N) (VKB=FRIO)	5968	170.0	26.5	KELSEY (DEEP)	A 669
ZONE 19=K	6097	867.0	25.0	KELSEY DEEP	41AG
Z1=C(C) (VKB=FRIO)	6137	308.0	23.5	KELSEY	A 270
ARITHMETIC AVERAGE	5470	399.0	25.3		
GEOMETRIC AVERAGE		329.4			
MEDIAN VALUE		308.0	25.1		
MODE		413.3	26.6		
IDEAL SPECIFIC FLOW RATE =	66.9 GPM/FT				
VICKSBURG GROUP					
Z0=A(S) (VICKSBURG)	5986	311.0	21.8	KELSEY	A 370
ARITHMETIC AVERAGE	5986	311.0	21.8		
GEOMETRIC AVERAGE		311.0			
MEDIAN VALUE		311.0	21.8		
MODE		311.0	21.8		
IDEAL SPECIFIC FLOW RATE =	61.0 GPM/FT				

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JACKSON GROUP					
COLE	677	400.0	30.0	RANDADO	A1269
COLE SAND	1745	2500.0	32.0	LAS ANIMAS-LEFEVRE	A1170
COLE SAND	1755	2500.0	32.0	LAS ANIMAS-LEFEVRE	A0570
COLE SAND	1755	2500.0	32.0	LAS ANIMAS-LEFEVRE	A0970
MIDDLE LOMA NOVA	1780	500.0	28.0	PRADO	444G
GOVERNMENT WELLS	2441	55.9	25.3	MARSH	51AR
LOMA NOVA SAND	3060	250.0	36.0	WELLEN	A1070
MIDDLE LOMA NOVA 3	3699	852.0	.3	PRADO	A0371
MIDDLE LOMA NOVA 1	3699	852.0	31.8	PRADO	A0470
MIDDLE LOMA NOVA I	3700	852.0	31.8	PRADO (COMBINED ZNS)	168D
MIDDLE LOMA NOVA I	3704	852.0	31.8	PRADO (COMBINED)	A 670
MIDDLE LOMA NOVA II	3724	807.0	27.6	PRADO	A0371
MIDDLE LOMA NOVA II	3725	807.0	31.2	PRADO (COMBINED ZNS)	169D
MIDDLE LOMA NOVA I	3729	1050.0	23.9	PRADO	A0371
MIDDLE LOMA NOVA 3	3729	1050.0	33.1	PRADO	A0470
MID. LOMA NOVA III	3729	1050.0	33.1	PRADO	A1270
MID LOMA NOVA III	3750	1050.0	33.1	PRADO (COMBINED ZNS)	170D
J=4 SAND	4130	125.0	18.0	WELL, SOUTH (J=4 SAND)	262D
ARITHMETIC AVERAGE	3029	1002.9	28.4		
GEOMETRIC AVERAGE		713.2			
MEDIAN VALUE		852.0	31.8		
MODE		980.2	30.6		
IDEAL SPECIFIC FLOW RATE =	57.5 GPM/FT				
CLAIBORNE GROUP					
O HERN SAND	2955	115.0	30.0	ST. JOSEPH	A 369
O HERN	3040	80.0	31.2	ST. JOSEPH 3100 SAND	216D
O HERN	3854	239.0	29.5	SAN PABLO	A 869
COLORADO	2270	639.0	29.1	COLORADO	71D
3000 FT	3000	800.0	28.0	COLORADO	72D
ROSENBERG	3220	100.0	24.0	PENROSE-HOWE	A1069
COLORADO SAND	3550	117.0	26.6	HOME	48AF
PETTUS 5000 FT.	4570	250.0	25.0	WEIL	A 471
ARITHMETIC AVERAGE	3312	292.5	27.9		
GEOMETRIC AVERAGE		206.4			
MEDIAN VALUE		239.0	29.1		
MODE		90.4	19.4		
IDEAL SPECIFIC FLOW RATE =	6.2 GPM/FT				

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OF THE
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AQUIFER ROCK PROPERTIES
JIM WELLS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCFPS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUEYDAN-CATAHOULA GROUP					
HOLLOW TREE SAND	3353	312.0	27.2	HOLLOW TREE	A 869
3400 FT. SAND	3400	730.0	25.6	MILLER + FOX	36AE
BARDO	3550	123.0	27.0	PREMONT (BARDO)	171D
CADDO	3650	91.0	27.5	PREMONT (CADD0)	172D
MCCARTNEY	3720	240.0	27.5	PREMONT (MCCARTNEY)	173D
ZONE 10 (FRIO)	4475	112.0	23.5	SEELIGSON (COMBINED)	A 869
ZONE 10	4490	313.0	23.5	SEELIGSON (COMBINED)	196D
ZONE 18=A	4550	175.0	27.4	PREMONT, EAST	175D
ZONE 10	4592	313.0	23.5	SEELIGSON	35AJ
ZONE 19=A	4680	245.0	27.3	PREMONT, EAST	174D
ZONE 19=A	4687	500.0	26.0	PREMONT, EAST	17AN
ZONE 13A=02	4755	208.0	23.6	SEELIGSON	42AJ
ZONE	4755	208.0	23.6	SEELIGSON	44AJ
KOHLER SAND	4800	1288.0	32.4	MAGNOLIA CITY, NORTH	41AF
ZONE 14B	5073	423.0	25.2	SEELIGSON	49AJ
ZONE 14B	5073	397.0	23.6	SEELIGSON	26AN
ZONE 13C	5103	62.0	20.8	SEELIGSON	46AJ
ZONE 14C=06	5190	106.0	21.9	SEELIGSON	51AJ
ZONE 22=0, UPPER	5290	230.0	30.0	PREMONT, EAST	177D
ZONE 15 (FRIO)	5350	2000.0	23.7	SEELIGSON (ZONE 15)	A 869
ZONE 22=0, LOWER	5350	250.0	26.0	PREMONT, EAST	178D
ZONE 22=A	5400	300.0	28.9	PREMONT, EAST	176D
ROBERTS	5409	1320.0	29.6	MAGNOLIA CITY, NORTH	128AL
ZONE 16D	5475	216.0	21.6	SEELIGSON	55AJ
ZONE 16D	5475	251.0	21.0	SEELIGSON	27AN
ZONE 17 =05	5510	299.0	22.4	SEELIGSON	59AJ
ZONE 17 (5)	5510	261.0	20.0	SEELIGSON	29AN
ZONE 17=05	5510	299.0	22.4	SEELIGSON (COMBINED)	201D
ZONE 16C	5530	216.0	21.6	SEELIGSON	54AJ
ZONE 16C	5530	216.0	21.6	SEELIGSON (COMBINED)	199D
ZONE 17 =02	5544	299.0	22.4	SEELIGSON	58AJ
ZONE 17 (2)	5544	145.0	20.3	SEELIGSON	28AN
GARCIA SAND	5642	1623.0	28.9	MAGNOLIA CITY	126AL
VALADEZ *A*	5675	160.0	25.9	MAGNOLIA CITY	155U
VALDEX (A) SAND	5675	268.0	27.9	MAGNOLIA CITY	127AL
ZONE 18A=01	5680	416.0	23.9	SEELIGSON	60AJ
ZONE 18A=05	5680	416.0	23.9	SEELIGSON	63AJ
ZONE 19=C (FRIO)	5800	574.0	23.7	SEELIGSON	153AL
ZONE 19=B (FRIO)	5830	462.0	23.9	SEELIGSON	152AL
ZONE 18C	5852	368.0	24.0	SEELIGSON	LLAJ
ZONE 19C=J	5853	585.0	24.0	SEELIGSON	72AJ

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GUEYDAN-CATAMOULA GROUP					
ZONE 19C=04	5853	585.0	24.0	SEELIGSON (COMBINED)	203D
Z=19B=03 (FRIO)	5852	260.0	24.1	SEELIGSON	A1070
ZONE 19B=03 (FRIO)	5894	473.0	24.1	SEELIGSON (COMBINED)	A 469
ZONE 19D=05	5950	387.0	24.3	SEELIGSON	78AJ
ZONE 19C=08	5957	585.0	24.0	SEELIGSON	74AJ
ZONE 19-C(8)	5957		23.7	SEELIGSON	33AN
ZONE 19C=70	5975	331.0	21.3	SEELIGSON	75AJ
ZONE 19D=07	5975	387.0	24.3	SEELIGSON	80AJ
ZONE 19C=04 (FRIO)	5987	585.0	24.0	SEELIGSON	A1069
ZONE 19C=04 (FRIO)	5990	585.0	24.0	SEELIGSON (COMBINED)	A 459
ZONE 19C=04 (FRIO)	6000	588.0	24.0	SEELIGSON (COMBINED)	A 270
ZONE 19D=01	6000	367.0	23.4	SEELIGSON (COMBINED)	205D
ZONE 19D=1	6002	393.0	24.4	SEELIGSON	35AN
ZONE 19-C(7)	6066	574.0	23.7	SEELIGSON	32AN
ZONE 19B=03	6089	473.0	24.1	SEELIGSON	70AJ
ZONE 19-B	6089	462.0	23.9	SEELIGSON	30AN
Z0C=01 (FRIO)	6090	408.0	24.4	SEELIGSON	A1069
ZONE 20C=01	6090	408.0	24.4	SEELIGSON	86AJ
ZONE 20C=13	6092	408.0	24.4	SEELIGSON	88AJ
ZONE 20C=44	6094	408.0	24.4	SEELIGSON	90AJ
ZONE 20A	6095	387.0	23.8	SEELIGSON	37AN
ZONE 19-C	6099	574.0	23.7	SEELIGSON	31AN
ZONE 20A=03	6100	408.0	24.4	SEELIGSON	81AJ
ZONEB=03	6100	408.0	24.4	SEELIGSON	84AJ
ZONE 20B=07	6100	408.0	24.4	SEELIGSON	85AJ
ZONE 20C=02	6100	408.0	24.4	SEELIGSON	87AJ
ZONE 20C=15	6100	408.0	24.4	SEELIGSON	89AJ
ZONE 20C=02	6100	399.0	24.4	SEELIGSON (COMBINED)	209D
ZONE 19D=01	6129	387.0	26.6	SEELIGSON	76AJ
ZONE 19=D	6129	398.0	24.4	SEELIGSON	34AN
ZONE 20	6130	392.0	24.4	SEELIGSON	36AN
Z0-E	6192	166.0	23.7	SEELIGSON (20=E)	211D
ZONE 20=E (FRIO)	6192	160.0	23.7	SEELIGSON	154AL
ZONE20A=050	6203	408.0	24.4	SEELIGSON	83AJ
ZONE 20B	6225	387.0	24.1	SEELIGSON	78AN
ZONE20A=05	6302	408.0	24.4	SEELIGSON	82AJ
ZONE 20A=05	6302	368.0	24.4	SEELIGSON (COMBINED)	207D
S=4 SAND	6575	404.0	23.7	STRATTON	53AN
ZONE 20=GR(FRIO)	6582	219.0	24.7	SEELIGSON	155AL
ZONE 21=S (FRIO)	6585	872.0	24.9	SEELIGSON	160AL
ZONE 20=G(4)	6600	255.0	23.3	SEELIGSON	39AN
ZONE 21=G (FRIO)	6600	3925.0	24.6	SEELIGSON	159AL
ZONE 21=D (FRIO)	6903	152.0	23.4	SEELIGSON	158AL
ZONE 21=D (FRIO)	6930	1314.0	30.6	SEELIGSON	157AL
ZONE 21=B (FRIO)	7090	1087.0	25.9	SEELIGSON	156AL
6000 FT. SAND	8000	52.0	21.0	TIJERINA-CANALES-BLU	54AN
Z0-E ZONE	6600	166.0	23.7	SEELIGSON	47AG
Z21=B=4W (VKH=FRIO)	6958	1377.0	28.0	TCB (ZONE 21=B=4W)	A 569

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GUEYDAN-CATAHOULA GROUP					
Z21-B-4W (VKB-FRIO)	6959	1377.0	28.0	TCB (Z21-B4)	A1269
Z21-B-4W (VKB-FRIO)	6959	1377.0	28.0	TCB (Z 21-B4, W.)	A 370
Z1-A-1 ZONE	7000	50.0	19.0	TIJERINA-CANALES	53AF
ZONE 21-A1	7000			TIJERINA-CANALES-BL.	254D
Z21-B (VKB-FRIO)	7091	1300.0	28.0	TCB (ZONE 21-B)	A 569
Z21-B (VKB-FRIO)	7092	1300.0	28.0	TIJ. CAN. BLUCHER	A 670
Z21-B (VKB-FRIO)	7092	1300.0	28.0	TCB (Z21-B)	A1269
Z21-B (VKB-FRIO)	7092	1300.0	28.0	TCB (ZONE 21B)	A 569
Z21-B (VKB-FRIO)	7100	1300.0	28.0	TIJERINA	A0970
NO. 1 RESERVOIR	7100	234.0	19.0	TIJERINA-CANALES-BLU	50AN
NO. 2	7100	418.0	27.0	TIJERINA-CANALES-BLU	51AN
NO. 3	7100	1064.0	24.0	TIJERINA-CANALES-BLU	52AN
NO. 4	7100	1010.0	23.0	TIJERINA-CANALES-BLU	53AN
7000 FT. SAND	7100	34.0	19.0	TIJERINA-CANALES-BLU	55AN
CANALES NO. 1	7100		23.0	TIJERINA-CANALES-BLU	56AN
T-1 LOWER	7100	870.0	28.0	TIJERINA-CANALES-BLU	57AN
T-3 SAND	7100	95.0	27.0	TIJERINA-CANALES-BLU	58AN
LOBBERECHT	7100	450.0	23.0	TIJERINA-CANALES-BLU	60AN
VANDRA	7100	450.0	25.0	TIJERINA-CANALES	61AN
Z21-B (VKB-FRIO)	7109	1311.0	28.0	TIJ. CAN. BLUCHER	A 670
Z1-B ZONE	7109	985.0	27.0	TIJERINA-CANALES-BLV	67AH
1-A	7109		20.0	TIJERINA-CANALES-BL.	248D
SECOND TIJERINA	7109		24.6	TIJERINA-CANALES-BL.	250D
Z1-B4 ZONE	7160	1583.0	30.8	TIJERINA-CANALES-BLV	68AH
Z21-B (VKB-FRIO)	7170	450.0	28.0	TIJERINA	A0371
Z1-B (VKB-FRIO)	7175	985.0	27.0	TIJERINA-CAN.-BLUCH.	A 869
ZONE 21-B	7200	900.0	27.0	TIJERINA-CANALES-BL.	257D
Z1-B4 ZONE	7221	1377.0	28.0	TIJERINA-CANALES-BLU.	63AG
ARITHMETIC AVERAGE	6024	572.4	24.8		
GEOMETRIC AVERAGE		409.9			
MEDIAN VALUE		408.0	24.4		
MODE		476.3	23.7		
IDEAL SPECIFIC FLOW RATE =	76.5 GPM/FT				
VICKSHURG GROUP					
BIERSTADT	5070	800.0	30.0	LITTLE ROSE, SOUTH	35AF
5700 FT. SD VICKSB.	5668	500.0	28.0	QUINTO CREEK	A1069
ZONE 22(5)	6585	872.0	24.9	SEELIGSON	46AN
ZONE 21G(7)	6600	3925.0	25.0	SEELIGSON	45AN
Z 20-F	6720	338.0	21.6	SEELIGSON	39AP
ZONE 21G(5)	6732	3925.0	25.0	SEELIGSON	44AN
ZONE 21D(7)	6930	1314.0	25.0	SEELIGSON	43AN
R-13 SAND	7000	763.0		STRATTON	54AH
ZONE 21B	7090	1687.0	25.9	SEELIGSON	41AN

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VICKSBURG GROUP					
CONRAD	7100	1052.0	27.0	TIJERINA-CANALES-BLU	59AN
ZONE 21C	7147	334.0	25.4	SEELIGSON	42AN
ARITHMETIC AVERAGE	6604	1410.0	25.8		
GEOMETRIC AVERAGE		1007.0			
MEDIAN VALUE		872.0	25.4		
MODE		797.2	25.4		
IDEAL SPECIFIC FLOW RATE =	154.9 GPM/FT				
JACKSON GROUP					
HOCKLEY	4800	211.0	29.0	ROWENA, NORTH	46AG
HOCKLEY SAND	5183	742.0	29.5	STEHLE	51AI
ARITHMETIC AVERAGE	4991	476.5	29.2		
GEOMETRIC AVERAGE		395.7			
MEDIAN VALUE		742.0	29.5		
MODE		225.1	29.0		
IDEAL SPECIFIC FLOW RATE =	25.7 GPM/FT				
CLAIBORNE GROUP					
CORCORAN ZONE	6133	213.0	25.4	LA GLORIA	133D
LOMA BLANCA	6603	111.0	24.2	LA GLORIA	A 370
ARITHMETIC AVERAGE	6368	162.0	24.8		
GEOMETRIC AVERAGE		153.8			
MEDIAN VALUE		213.0	25.4		
MODE		114.7	24.3		
IDEAL SPECIFIC FLOW RATE =	20.2 GPM/FT				
CLEARFORK GROUP					
ZONE (VKB-FRI ₀)	6197	166.0	23.7	SEELIGSON	A 370
ARITHMETIC AVERAGE	6197	166.0	23.7		
GEOMETRIC AVERAGE		166.0			
MEDIAN VALUE		166.0	23.7		
MODE		166.0	23.7		
IDEAL SPECIFIC FLOW RATE =	24.1 GPM/FT				

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WOLFCAMP SERIES UNDIFFERENTIATED					
TANNEHILL	1400	300.0	16.0	MONTGOMERY	196G
BLUFF CREEK SAND	1650	80.0	21.0	JONES COUNTY REGULAR	A1170
BLUFF CREEK (1600)	1650	25.0	20.0	JONES COUNTY REGULAR	152G
TANNEHILL	1652	25.0	21.0	JONES COUNTY REGULAR	166G
BLUFF CREEK SAND	1658	80.0	21.0	JONES COUNTY REG.	A 569
SADDLE CREEK SAND	1694	25.0	20.0	JONES CO. REGULAR	A 469
BLUFF CREEK	1700	225.0	21.0	JONES COUNTY REGULAR	165G
BLUFF CREEK SAND	1700	83.0	18.7	JONES COUNTY REGULAR	167G
TANNEHILL	1769	433.0	26.0	PHANTOM LAKE	A 671
WOLFCAMP	1769	433.0	26.0	JONES CO. REGULAR	A 671
TANNEHILL	1775	400.0	21.0	SAYLES	246G
TANNEHILL	1800	210.0	18.0	FLO-MAR	68AK
FLIPPEN LIME	1815	50.0	9.1	LEWIS=STEFFENS	187G
TANNEHILL SAND	1820	25.0	18.0	JONES COUNTY REGULAR	A0970
BLUFF CREEK	1833	58.0	18.0	LEWIS STEFFENS	A 769
BLUFF CREEK	1850	120.0	15.0	JONES COUNTY REGULAR	158G
BLUFF CREEK	1886	50.0	17.0	LEWIS=STEFFENS	186G
BLUFF CREEK SAND	1890	130.0	17.0	JONES COUNTY REGULAR	168G
FLIPPEN SAND	1900	534.0	26.0	SAYLES	A0371
FLIPPEN SAND	1900	534.0	26.0	SAYLES	A 571
BLUFF CREEK	1900	200.0	20.0	DOTY (BLUFF CREEK)	110G
BLUFF CREEK	1900	200.0	17.0	LEWIS=STEFFENS	185G
BLUFF CREEK	1900	213.0	17.3	DOTY	103AN
FLIPPEN	1900	534.0	23.0	SAYLES	245G
FLIPPEN	1916	100.0	20.0	SAYLES	247G
FLIPPEN SAND	1925	150.0	19.0	JONES COUNTY REGULAR	153G
FLIPPEN	1950	460.0	22.5	SAYLES	243G
FLIPPEN	1950	1034.0	24.0	SAYLES	244G
FLIPPEN + HOPE	1985	209.0	21.0	JONES COUNTY REGULAR	A0371
FLIPPEN SAND	1990	254.0	20.4	JONES COUNTY REGULAR	170G
FLIPPEN SAND	2000	250.0	20.7	JONES COUNTY REGULAR	A1270
FLIPPEN LIME	2000		15.0	JONES COUNTY REGULAR	160G
TANNEHILL SAND	2026	25.0	15.0	JONES COUNTY REGULAR	154G
TANNEHILL SAND	2070	48.0	18.1	JONES COUNTY REGULAR	156G
FLIPPEN SAND	2192	90.0	19.0	JONES CO. REGULAR	A 469
FLIPPEN	2200	257.0	19.0	HATCHETT (FLIPPEN)	145G
FLIPPEN SAND	2275		20.0	JONES COUNTY REGULAR	161G
2400 FT NOODLE CREEK	2400		13.0	NOODLE, SOUTH	208G
TANNEHILL	2433	189.0	19.1	JONES CO. REGULAR	A 869
COOK SAND	2450	94.0	17.0	ANSON, NORTH	96AN
TANNEHILL	2464	150.0	18.5	SLC	68AR

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WOLFCAMP SERIES UNDIFFERENTIATED					
NOODLE CREEK	255.0	287.0	11.4	NOODLE, WEST	74AK
ARITHMETIC AVERAGE		219.6	19.2		
GEOMETRIC AVERAGE	194.0	143.5			
MEDIAN VALUE		189.0	19.1		
MODE		197.0	18.4		
IDEAL SPECIFIC FLOW RATE =	5.1 GPM/FT				
CISCO GROUP					
KING SAND	2179		19.0	MONCRIEF	111AJ
KING SAND	2190	500.0	19.0	MONCRIEF	A0570
GUNSIGHT LIME	2360		8.0	JONES COUNTY REGULAR	157G
KING	2400	50.0	18.0	JONES COUNTY REGULAR	162G
KING SAND	2700	300.0	18.0	JONES COUNTY REGULAR	159G
GUNSITE	2731	250.0	20.0	MEAD, SOUTHEAST	89AM
2760 FT. KING SAND	2758	250.0	24.0	TUXEDO	A0870
KING	2760		22.0	TUXEDO	46AP
KING SAND	3000	119.0	16.7	AMY, EARL	95AN
SWASTIKA	3000	25.0	16.6	CRESLINN-SWASTIKA	103G
SWASTIKA	3100	80.0	16.5	BARTLETT, EAST	7G
SWASTIKA SAND	3100	80.0	16.5	BARTLETT, EAST	8G
SWASTIKA SAND	3100	55.0	14.2	CRESLINN (SWASTIKA)	104G
SWASTIKA SAND	3240	158.0	17.0	MILSAP (SWASTIKA)	195G
3500 FT	3500	64.0	15.2	NOODLE N. (LOW CISCO)	207G
SWASTIKA SAND	3555	337.0	20.0	HAMLIN, EAST	34AQ
SWASTIKA	3560	124.0	18.4	HAMLIN	107AJ
LOWER CISCO	3600	10.0	15.0	HUDDLESTON	108AJ
CISCO SAND	3600	19.0	12.9	HORTON CISCO	148G
LOWER CISCO SAND	3750	5.0	14.5	NOODLE, NORTH	206G
LOWER CISCO	4785	85.0	17.2	HORTON	72AF
ARITHMETIC AVERAGE	3094	139.5	17.1		
GEOMETRIC AVERAGE		79.7			
MEDIAN VALUE		85.0	17.0		
MODE		102.4	16.8		
IDEAL SPECIFIC FLOW RATE =	4.9 GPM/FT				
CANYON GROUP					
PALO PINTO	3200		20.0	GRIFFIN	86AH
CANYON SAND	3550	50.0	12.0	ANSON	2G
PALO PINTO	4650	35.0	16.0	CALHAM	80AG
CANYON REEF	3200	100.0	6.5	NOODLE	A0371
ARITHMETIC AVERAGE	765.0	61.7	13.6		
GEOMETRIC AVERAGE		55.9			
MEDIAN VALUE		50.0	16.0		
MODE		36.9	7.2		
IDEAL SPECIFIC FLOW RATE =	2.3 GPM/FT				

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STRAWN GROUP					
STRAWN	3250	53.0	10.8	TRUBY	125AN
STRAWN	4300	68.0	12.1	TRUBY, NORTH	386G
STRAWN SAND	4475	12.0	11.0	HEAD	JPT71
STRAWN	4480	15.6	8.9	HEAD	53AS
KELSO SAND	4500	65.0	11.5	TRUBY	385G
STRAWN (B)	4500	2.0	9.5	HEAD (STRAWN)	194G
STRAWN SAND	4557	68.0	12.1	TRUBY, NORTH	A 669
STRAWN	4600	16.0	11.0	BALL KUEHN	98AN
STRAWN SAND	4660	30.5	11.7	PITZER	A1069
STRAWN	4700	200.0	14.0	LARGENT WEST	91AH
STRAWN SAND	4700	74.0	13.7	LARGENT WEST	181G
STRAWN SAND	4715	74.0	13.7	LARGENT, WEST	A0570
MIDDLE STRAWN	4905	67.0	12.6	NOODLE	193AL
STRAWN	5100		12.0	PITZER (5100 SAND)	222G
ARITHMETIC AVERAGE	4532	57.3	11.8		
GEOMETRIC AVERAGE		36.6			
MEDIAN VALUE		65.0	12.0		
MODE		64.9	12.2		
IDEAL SPECIFIC FLOW RATE =	5.5 GPM/FT				

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GUEYDAN=CATAHOULA GROUP					
9R=A ZONE (FH10)	6145	504.0	31.4	WEST RANCH	BAK
ARITHMETIC AVERAGE	6145	504.0	31.4		
GEOMETRIC AVERAGE		504.0			
MEDIAN VALUE		504.0	31.4		
MODE		504.0	31.4		
IDEAL SPECIFIC FLOW RATE #	97.3 GPM/FT				
CLAIBORNE GROUP					
PETTUS	4095	141.0	31.0	JANSSEN	32B
REKLAW SAND	6514	16.0	20.0	BURNELL	A0271
REKLAW SAND	6550	15.0	18.0	BURNELL	3AJ
REKLAW (WILCOX)	6550	25.0	20.4	BURNELL (REKLAW)	6R
REKLAW	6750	100.0	25.0	CHOATE, S.E.	A0170
ARITHMETIC AVERAGE	6092	59.4	22.9		
GEOMETRIC AVERAGE		38.5			
MEDIAN VALUE		25.0	20.4		
MODE		16.9	20.0		
IDEAL SPECIFIC FLOW RATE #	3.2 GPM/FT				
CARRIZO GROUP					
CARRIZO (WILCOX)	4000	800.0	30.0	HOBSON	29B
ARITHMETIC AVERAGE	4000	800.0	30.0		
GEOMETRIC AVERAGE		800.0			
MEDIAN VALUE		800.0	30.0		
MODE		800.0	30.0		
IDEAL SPECIFIC FLOW RATE #	74.7 GPM/FT				
CARRIZO=WILCOX GROUP					
CARRIZO WILCOX SAND	3950	2796.0	32.0	HOBSON	A1170

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CARRIZO-WILCOX GROUP					
LOWER PAWELEK	6050	371.0	25.2	FALLS CITY	16H
ARITHMETIC AVERAGE	5000	1583.5	28.6		
GEOMETRIC AVERAGE		1018.5			
MEDIAN VALUE		2796.0	32.0		
MODE		412.5	25.5		
IDEAL SPECIFIC FLOW RATE =	56.5 GPM/FT				
WILCOX GROUP					
SLICK	6300	313.0	21.0	BURNELL	6AL
LULING	6400	527.0	21.0	BURNELL	7AL
MASSIVE	6550	275.0	22.0	BURNELL	8AL
SLICK (WILCOX)	6770	313.0	20.5	BURNELL (SLICK)	7B
SLICK SAND	6778	313.0	21.0	BURNELL	4AI
LULING SAND	6778	527.0	21.0	BURNELL	5AI
ARITHMETIC AVERAGE	6596	378.0	21.1		
GEOMETRIC AVERAGE		364.4			
MEDIAN VALUE		313.0	21.0		
MODE		303.3	21.0		
IDEAL SPECIFIC FLOW RATE =	68.3 GPM/FT				
FREDERICKSBURG (EDWARDS UNDIVIDED) GROUP					
Upper EDWARDS A	10740	2.0	13.0	LABUS	10AD
UPPER EDWARDS	10800	3.1	14.9	PERSON	9AG
EDWARDS LIME	10864		10.0	PANNA MARIA	15AF
EDWARDS LIME	10890	.0	10.0	BIG JOHN	4AF
ARITHMETIC AVERAGE	10823	1.7	12.0		
GEOMETRIC AVERAGE		.4			
MEDIAN VALUE		2.0	13.0		
MODE		2.4	10.2		
IDEAL SPECIFIC FLOW RATE =	1.3 GPM/FT				

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WOODBINE GROUP					
WOODBINE	3253	950.0	24.0	HAM GOSSETT, EAST	172AL
LEWISVILLE SAND	3258	900.0	21.3	HAM GOSSETT WILLIAMS	171AL
LEWISVILLE	3400	566.0	24.0	HAM GOSSETT	65AN
LEWISVILLE	3400	2368.0	27.8	HAMM GOSSETT	70AM
LEWISVILLE SAND	3404	566.0	24.0	HAM GOSSETT	169AL
WOODBINE	3610	1350.0	25.0	HAM GOSSETT	65AG
UPPER DEXTER	3950	419.0	24.2	HAM GOSSETT	168AL
WOODBINE SAND	4150	1044.0	27.6	WALTER FAIR	177AL
WOODBINE	4155	1044.0	27.6	WALTER FAIR	70AN
LEWISVILLE	3400	950.0	24.0	HAM GOSSETT	64AN
ARITHMETIC AVERAGE	3598	1015.7	24.9		
GEOMETRIC AVERAGE		907.7			
MEDIAN VALUE		950.0	24.2		
MODE		916.9	24.2		
IDEAL SPECIFIC FLOW RATE =	72.3 GPH/FT				
FREDERICKSBURG (EDWARDS UNDIVIDED) GROUP					
PALUXY	4900	1240.0	20.8	WALTER FAIR	69AN
PALUXY	4950	1240.0	20.8	WALTER FAIR	176AL
PALUXY SAND	4964	500.0	20.8	WALTER FAIR	A057D
ARITHMETIC AVERAGE	4938	993.3	20.8		
GEOMETRIC AVERAGE		916.1			
MEDIAN VALUE		1240.0	20.8		
MODE		1186.2	20.8		
IDEAL SPECIFIC FLOW RATE =	156.1 GPH/FT				
TRINITY GROUP					
UPPER RODESSA	6220	486.0	20.4	HAM GOSSETT	66AN
UPPER RODESSA	6233	486.0	20.4	HAM GOSSETT	170AL
ARITHMETIC AVERAGE	6226	486.0	20.4		
GEOMETRIC AVERAGE		486.0			
MEDIAN VALUE		486.0	20.4		
MODE		486.0	20.4		
IDEAL SPECIFIC FLOW RATE =	96.4 GPH/FT				

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JURASSIC UPPER SERIES UNDIFFERENTIATED					
SHACKOVER	9927	39.0	15.0	TAWAKONI	41AP
ARITHMETIC AVERAGE	9927	39.0	15.0		
GEOMETRIC AVERAGE		39.0			
MEDIAN VALUE		39.0	15.0		
MODE		39.0	15.0		
IDEAL SPECIFIC FLOW RATE =	19.4 GPM/FT				

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GUEYDAN-CATAHOULA GROUP					
5-KLM-D	4492	270.0	23.0	SARITA	36AP
7-B-E	5371	380.0	22.0	SARITA	37AP
11-A+B-E	6196	351.0	23.0	SARITA	38AP
5-KLM(C)	4675	560.0	19.4	SARITA	193D
7-B(E)	5388	380.0	20.0	SARITA	194D
G0-5	6050	130.0	22.5	EL PAISTLE CO-5	75D
9-B SAND (FRIO)	6200	40.0	22.5	SARITA	A107D
G-22	6200	99.0	23.0	CANDELAEIA	63D
11-A AND B(E)	6215	205.0	22.2	SARITA	195D
FRIO 7	6967	206.0	22.5	SARITA	25AN
17-1 SAND (FRIO)	8025	150.0	20.0	SARITA	A107D
21-A (FRIO)	8124	100.0	20.0	JULIAN (21-A)	A 27D
ZONE-18 B	8173	288.0	20.0	SARITA	65AD
ARITHMETIC AVERAGE	6314	243.0	21.5		
GEOMETRIC AVERAGE		198.0			
MEDIAN VALUE		206.0	22.2		
MODE		380.2	19.9		
IDEAL SPECIFIC FLOW RATE =	58.5 GPM/FT				

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GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES	1520	.5	15.0	COGDELL (SAN ANDRES)	24J
ARITHMETIC AVERAGE	1520	.5	15.0		
GEOMETRIC AVERAGE		.5			
MEDIAN VALUE		.5	15.0		
MODE		.5	15.0		
IDEAL SPECIFIC FLOW RATE =	.0 GPM/FT				
WOLFCAMP SERIES UNDIFFERENTIATED					
NOODLE CREEK	3796			WALLACE RANCH	138AC
NOODLE CREEK	4103	30.0	8.5	NORTH ROUGH DRAW	A 671
ARITHMETIC AVERAGE	3949	30.0	8.5		
GEOMETRIC AVERAGE		30.0			
MEDIAN VALUE		30.0	8.5		
MODE		30.0	8.5		
IDEAL SPECIFIC FLOW RATE =	1.6 GPM/FT				
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENNSYLVANIAN REEF	6600	59.0	8.5	BOOMERANG	77AI
LOWER PENNSYLVANIAN	6622	3.5	8.4	SALT CREEK, SOUTH	129AM
PENNSYLVANIAN, LOWER	6700	37.0	9.9	CLAIREMONT	80AI
LOWER PENNSYLVANIAN	6700	36.0	25.0	CLAIREMONT	20J
PENNSYLVANIAN	6742	14.8	8.4	CLAIREMONT	116AH
LOWER PEN.	6742	25.0	6.5	CLAIREMONT	159AN
PENN LOWER	6822	37.0	10.0	CLAIREMONT, SOUTH	55A0
LOWER PENN REEF	6740	2.0	7.6	CLAIRMONT	A1270
ARITHMETIC AVERAGE	6708	26.8	10.5		
GEOMETRIC AVERAGE		17.2			
MEDIAN VALUE		36.0	8.5		
MODE		36.0	9.3		
IDEAL SPECIFIC FLOW RATE =	4.1 GPM/FT				

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CISCO GROUP					
4900	4900		13.0	COGDELL (4900)	23J
ARITHMETIC AVERAGE	4900		13.0		
GEOMETRIC AVERAGE					
MEDIAN VALUE			13.0		
MODE			13.0		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				
CANYON GROUP					
CANYON SAND	6100	117.0	19.0	S-M-S	94J
CANYON SAND	6100	170.0	19.0	S-M-S	128AM
CANYON	6413	10.5	9.5	SALT CREEK	A 671
CANYON	6850	14.0	16.6	COGDELL, EAST	118AH
CANYON REEF	6200	13.2	9.0	SALT CREEK	202AN
CANYON REEF	6400	11.0	9.0	SALT CREEK	96J
CANYON REEF	6796	18.0	10.0	COGDELL	A 269
CANYON REEF	6796	17.6	10.0	COGDELL	A0870
CANYON REEF	6796	17.6	10.0	COGDELL	A0970
CANYON REEF	6796	17.6	10.0	COGDELL AREA	A1070
CANYON REEF	6796	17.6	10.0	COGDELL FIELD AREA	A1169
CANYON REEF	6800		7.0	COGDELL AREA	160AN
CANYON REEF	6800	17.6	10.0	COGDELL AREA	139AJ
CANYON REEF	6826	17.6	10.0	COGDELL AREA	A1269
ARITHMETIC AVERAGE	6605	35.3	11.4		
GEOMETRIC AVERAGE		21.6			
MEDIAN VALUE		17.6	10.0		
MODE		16.1	10.0		
IDEAL SPECIFIC FLOW RATE =	1.8 GPM/FT				
STRAWN GROUP					
STRAWN	6466	5.5	5.0	JAYTON, WEST	116AF
STRAWN	6475		10.0	CLAIREMONT, NORTH	21J
STRAWN	6494	37.0	8.5	CLAIREMONT, EAST	93AE
STRAWN SAND	6500	12.0	16.0	JAYTON, WEST	108AC
STRAWN	6726	17.7	9.0	SPIRES	A 569
STRAWN	6950	1846.0	10.0	ELZON, WEST	64AP
STRAWN C-1	7150	135.0	13.0	SPIRES WEST	A0470
STRAWN	7580	20.0		FULLERVILLE	56AQ
CANYON PENN. REEF	6800	17.6	10.0	COGDELL	81AI
ARITHMETIC AVERAGE	6793	261.3	10.2		
GEOMETRIC AVERAGE		37.4			
MEDIAN VALUE		20.0	10.0		
MODE		13.7	10.0		
IDEAL SPECIFIC FLOW RATE =	1.6 GPM/FT				

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WOLFCAMP SERIES UNDIFFERENTIATED					
TANNEHILL	3492	200.0	20.5	SPRINGER	127AS
ARITHMETIC AVERAGE	3492	200.0	20.5		
GEOMETRIC AVERAGE		200.0			
MEDIAN VALUE		200.0	20.5		
MODE		200.0	20.5		
IDEAL SPECIFIC FLOW RATE =	9.3 GPM/FT				
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENN SAND	5300	75.0	16.0	BURNETT RANCH (PENN)	16J
PENNSYLVANIAN	5354	75.0	16.0	BURNETT RANCH	92AE
PENNSYLVANIAN LIME	5354	16.0	8.5	BURNETT RANCH	113AD
PENNSYLVANIAN	5500	6.6	11.1	TAP	240AL
ARITHMETIC AVERAGE	5377	43.1	12.9		
GEOMETRIC AVERAGE		27.8			
MEDIAN VALUE		75.0	16.0		
MODE		66.9	15.6		
IDEAL SPECIFIC FLOW RATE =	5.6 GPM/FT				
CISCO GROUP					
3700 FT. ZONE	3700	115.0	16.5	BATEMAN RANCH	112AH
BUNGER SAND	4000	241.0	14.2	TOM B.	72AO
BUNGER	4100	241.0	14.2	TOM B -BUNGER SAND	A 269
5100 FT. ZONE	5100	103.0	11.0	BATEMAN RANCH	111AH
ARITHMETIC AVERAGE	4225	175.0	14.0		
GEOMETRIC AVERAGE		162.0			
MEDIAN VALUE		241.0	14.2		
MODE		231.2	14.0		
IDEAL SPECIFIC FLOW RATE =	13.9 GPM/FT				
CANYON GROUP					
5100 CANYON LIME	5100	103.0	11.0	BATEMAN RANCH	6J

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CANYON GROUP					
5100 FT. CANYON LIME	5114	103.0	11.0	BATEMAN RANCH	A 669
ARITHMETIC AVERAGE	5107	103.0	11.0		
GEOMETRIC AVERAGE		103.0			
MEDIAN VALUE		103.0	11.0		
MODE		103.0	11.0		
IDEAL SPECIFIC FLOW RATE =	8.0 GPM/FT				
STRAWN GROUP					
STRAWN LIMESTONE	5100	19.0	10.0	ROSS RANCH	65AA
STRAWN 5250	5258	40.0	15.0	BIG N (STRAWN 5250)	A0171
STRAWN LIME	5300	172.0	7.7	BATEMAN RANCH	97AF
5300 FT STRAWN	5300	172.0	7.7	BATEMAN RANCH	7J
STRAWN LIME	5345	172.0	7.7	BATEMAN RANCH	1AA
ARITHMETIC AVERAGE	5261	115.0	9.6		
GEOMETRIC AVERAGE		82.7			
MEDIAN VALUE		172.0	7.7		
MODE		155.0	8.1		
IDEAL SPECIFIC FLOW RATE =	12.5 GPM/FT				

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GUEYDAN-CATAHOULA GROUP					
ZONE B-3	4350	59.0	21.4	BORREGOS (ZONE B-3)	270
COMBINED ZONES	4410	66.3	21.0	BORREGOS	A0570
B-5	4410	66.0	24.4	BORREGOS (ZONE B-5)	280
B-7	4440	80.0	21.7	BORREGOS (ZONE B-7)	290
COMBINED ZONES	4745	89.0	23.6	BORREGOS	A0870
ZONE 13A-02	4755	196.0	23.6	SEELIGSON (COMBINED)	1970
D-3	4840	20.0	20.2	BORREGOS (ZONE D-3)	300
D-5	4878	80.0	25.6	BORREGOS (D-5)	310
F-5 SAND (FRIO)	5035	143.0	26.9	BORREGOS	A0171
F-5 (FRIO)	5043	143.0	27.0	BORREGOS (COMBINED)	A 270
ZONE 14B	5073	423.0	25.2	SEELIGSON (COMBINED)	1980
F-5,NORTH	5148	50.0	20.5	BORREGOS (F-5)	320
F-5	5148	50.0	20.5	BORREGOS (F-5)	330
ZONE F-5	5148	350.0	28.8	BORREGOS	86AL
F-5 ZONE	5148	350.0	28.8	BORREGOS	59AM
F-6	5200	24.0	22.0	BORREGOS (F-6)	340
N-4-5-6 ZONES	5212	700.0	25.0	BORREGOS	60AM
J-3	5446	21.0	23.0	BORREGOS (J-3)	350
ZONE 16D	5475	214.0	21.6	SEELIGSON (COMBINED)	2000
J-9	5496	50.0	22.0	BORREGOS (ZONE J-9)	360
J-19	5730	300.0	22.5	BORREGOS (ZONE J-19)	370
Z-19B-03 (FRIO)	5882	260.0	24.1	SEELIGSON	A1070
19B -03 (FRIO)	5894	473.0	24.1	SEELIGSON COMBINED	A 869
ZONE 20B-03	5930	413.0	24.7	SEELIGSON (COMBINED)	2080
ZONE 19C-08	5957	585.0	22.8	SEELIGSON (COMBINED)	2040
COMBINED ZONES	5963	240.0	20.0	BORREGOS	A1270
COMBINED ZONES	5970	240.0	20.0	BORREGOS	A 171
COMBINED ZONES	6000	410.0	23.4	BORREGOS	A1270
L-5 EAST	6000	410.0	23.4	BORREGOS (L-5)	400
COMBINED ZONES	6005	410.0	23.4	BORREGOS	A 770
L-3 FRIO	6040	238.0	33.0	BORREGOS (ZONE L-3)	380
ZONE L-5	6040	302.0	24.3	BORREGOS	90AL
L-5	6044	263.0	21.3	BORREGOS (L-5)	390
L-4	6050	221.0	18.2	STRATTON (L-4)	2270
ZONE 19B-03	6089	530.0	24.1	SEELIGSON (COMBINED)	2020
ZONE 20A-03	6100	321.0	24.4	SEELIGSON (COMBINED)	2060
20B-07	6100	133.0	20.0	SEELIGSON (20B-07)	2100
L-4 (FRIO)	6108	314.0	21.8	STRATTON	A 671
L-9 + 11 SE SEG.	6118	243.0	21.7	BORREGOS (L-9 + 11)	410
ZONE L-9 + 11	6118	197.0	22.3	BORREGOS (L-9 + 11)	420
L-9 + 11 NE SEG.	6118	240.0	20.0	BORREGOS (L-9 + 11)	430

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GUEYDAN-CATAHOULA GROUP					
L-9 + 11 SW SEG.	6118	249.0	21.8	BORREGOS (L-9 + 11)	44D
ZONE L-9 - 11	6118	280.0	25.1	BORREGOS	91AL
COMBINED ZONES	6200	224.0	21.0	BORREGOS	A0570
COMBINED ZONES	6200	224.0	21.0	BORREGOS	A1270
N-4X7 SAND (FRIO)	6200	224.0	21.0	BORREGOS	A0371
N-4+5+6 AND 7 (FRIO)	6209	224.0	21.0	BORREGOS (COMBINED)	A 569
N-4+5+6+7	6212	466.0	25.6	BORREGOS (N-4+5+6+7)	45D
N-21 (FRIO)	6235	150.0	25.6	BORREGOS (COMBINED)	A 270
N-11	6287	85.0	20.0	BORREGOS (N-11)	47D
ZONE N-21	6290	468.0	25.6	BORREGOS	38AG
N 21 M (FRIO)	6296	468.0	25.6	BORREGOS (COMBINED)	A 869
ZONE N-21	6300	468.0	25.6	BORREGOS	31AE
L-12	6350	277.0	26.8	STRATTON	44AS
BERTRAM (E)	6350	200.0	21.0	STRATTON	220D
L-16	6357	177.0	17.6	STRATTON	221D
N-21	6364	43.0	23.8	BORREGOS (N-21)	49D
ZONE N-21	6364	468.0	25.6	BORREGOS	92AL
N-17	6365	50.0	21.6	BORREGOS (N-17)	48D
N-10	6367	128.0	37.1	BORREGOS (ZONE N-10)	46D
SELLERS 4	6370	40.0	23.7	STRATTON	222D
N-25	6396	300.0	22.3	BORREGOS (N-25)	51D
N-23 SAND (FRIO)	6400	153.0	24.0	BORREGOS	A0970
SELLERS 3-E	6410	191.0	24.5	STRATTON (SELLERS 3E)	231D
N-24	6420	200.0	24.0	BORREGOS (N-24)	50D
L-12(S)	6445		26.8	STRATTON (L-12,S)	228D
BERTRAM	6450	220.0	21.0	STRATTON	219D
	6500	220.0	21.0	STRATTON	54AR
WARDNER RESERVOIR	6500	220.0	21.0	STRATTON	45AE
P-5M SAND (FRIO)	6510	150.0	27.0	BORREGOS	A0371
P-5 FRIO	6550	198.0	18.0	BORREGOS (ZONE P-5)	52D
WARDNER	6604	220.0	21.0	STRATTON	223D
ZONE SELLERS 3(E)	6650	191.0	24.5	STRATTON	A0271
SELLERS 3(E)	6650	191.0	24.5	STRATTON	A0570
P-9,UPPER	6685	394.0	21.6	BORREGOS (P-9,UPPER)	54D
R-3(E)	6840	379.0	22.5	STRATTON (R-3,E)	229D
R-13	6880		26.1	STRATTON (R-13)	230D
COMBINED ZONES	6915	150.0	23.0	BORREGOS	A 671
R-7	6916	1802.0	27.8	BORREGOS (R-7)	57D
21-D-7	6930	150.0	30.6	SEELIGSON (21-D-7)	213D
R-13	6946	1085.0	26.8	BORREGOS (ZONE R-13)	58D
COMBINED ZONES	6950	263.0	24.6	BORREGOS	A0570
COMBINED ZONES	6958	263.0	21.6	BORREGOS	A 770
P-5,S	7000	150.0	23.0	BORREGOS (ZONE P-5,S)	53D
H-02 SAND	7060	135.0	24.0	ALAZAN NORTH H-02 SD	6D
T-9	7063	100.0	23.9	BORREGOS	59D
ZONE H-02	7077	135.0	24.0	ALAZAN, NORTH	35AG
21-B	7090	1687.0	28.6	SEELIGSON (21-B)	212D
T-9,SOUTH	7121	100.0	23.9	BORREGOS ZONE T-9,S	60D

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KLEBERG COUNTY

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GUEYDAN-CATAHOLA GROUP					
R-5	7127	811.0	25.1	BORREGOS (ZONE R-5)	55D
U-4	7140	200.0	20.6	BORREGOS	61D
H-20 SAND	7172	81.0	21.6	ALAZAN (H-20 SD)	4D
H-21 SAND	7180	566.0	23.0	ALAZAN NORTH H-21 SD	7D
R-5,S	7180	811.0	25.1	BORREGOS (R-5,S)	56D
H-21 SD (FRIO)	7186	380.0	24.8	ALAZAN, NORTH	A0570
H-21 SD (FRIO)	7193	566.0	23.0	ALAZAN, NORTH	A 569
H-21 SD (FRIO)	7193	380.0	24.8	ALAZAN, NORTH	A 370
S-1 SAND	7204	146.0	22.2	ALAZAN (J-1 SD)	5D
10-A SEGMENT A	7210	889.0	31.3	BIRD ISLAND	26AJ
ZONE H-21	7230	566.0	23.0	ALAZAN, NORTH	36AG
UPPER PFLUEGER	7300	500.0	26.0	BIG CAESAR	25D
PFLUEGER,UPPER	7315	500.0	25.0	BIG CAESAR	46AR
PFLUEGER	7376	626.0	29.7	BIG CAESAR	13AQ
H-46 SAND	7400	244.0	22.7	ALAZAN NORTH H-46 SD	8D
H-46 SD (FRIO)	7423	244.0	22.7	ALAZAN N.(ALL ZONES)	A 869
H-46 SD (FRIO)	7423	244.0	22.7	ALAZAN NORTH	A 569
UPPER PFLUEGER SAND	7440	193.0	26.0	BIG CAESAR	A1170
LOWER PFLUEGER SAND	7450	168.0	25.2	BIG CAESAR	A1170
SEG.C LOW PFLUEGER	7465	168.0	25.2	BIG CAESAR	31AP
ZONE H-46	7470	244.0	26.0	ALAZAN, NORTH	37AG
H-53 SAND	7515	481.0	23.3	ALAZAN NORTH H-53 SD	9D
H-57 SAND	7555	102.0	19.1	ALAZAN NORTH H-57 SD	10D
A-3 FRIO	7661	863.0	33.5	CHEVRON	31AH
A-3 FRIO SAND	7661	863.0	33.5	CHEVRON	30AK
A-13 FRIO	7711	654.0	30.6	CHEVRON	32AH
A-13 FRIO SAND	7711	654.0	30.9	CHEVRON	31AK
7760 FT. FRIO	7771	654.0	30.6	CHEVRON	33AH
FRIO SAND	7771	654.0	30.6	CHEVRON	29AK
H-86 SAND	7840	277.0	20.0	ALAZAN NORTH H-86 SD	11D
H-86 SAND	7891	277.0	20.0	ALAZAN, NORTH	47AD
A-11 FRIO	7966		31.0	CHEVRON	37AF
A-19 FRIO	8060		18.0	CHEVRON	34AH
WILSON SAND	8350		27.3	MAY, WEST	53AD
H-3 FRIO	8414		30.0	CHEVRON	35AH
FRIO LOWER 2 ZONE	9350	59.0	20.8	MAY	30AJ
FRIO LOWER 3 ZONE	9352	46.0	21.4	MAY	31AJ
Z20-E (VKB-FRIO)	6192	166.0	23.7	SEELIGSON	A1169
ZONE 21-B SAND	7000	212.0	25.0	TIJERINA	A0471
21-B (VKB-FRIO)	7011	212.0	25.0	TIJ. CANALES BLUCH.	A1269
21-B	7011	212.0	25.0	TIJERINA-CAN.-BLUCH.	A 569
ZONE 21-B	7011	212.0	25.0	TIJ. CAN. BLUCHER	A 671
Z21-B (VKB-FRIO)	7011	212.0	25.0	TIJ. CAN. BLUCHER	A 770
1-B	7109	99.0	20.0	TIJERINA-CANALES-BL.	249D
ZONE 7	7109		18.2	TIJERINA-CANALES-BL.	251D
21-B	7109	1015.0	27.6	TIJERINA-CANALES-BL.	255D
Z21-B (VKB-FRIO)	7172	212.0	25.0	TIJERINA	A0271
ZONE 21-B (VKB-FRIO)	7250	212.0	25.0	TIJERINA	A0970
ARITHMETIC AVERAGE	6560	315.0	24.1		
GEOMETRIC AVERAGE		226.8			
MEDIAN VALUE		224.0	23.9		
MODE		243.8	24.4		
IDEAL SPECIFIC FLOW RATE =	43.7 GPM/FT				

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VICKSBURG GROUP					
Z21-D-7 (VICKSBURG)	6693	692.0	25.7	SEELIGSON	A0371
ZONE S-7 (VICKSBURG)	6735	400.0	21.8	BORREGOS	A 671
R-7 SAND (VICKSBURG)	6745	1802.0	27.8	BORREGOS	A0171
R-7 (VICKSBURG)	6751	1802.0	27.8	BORREGOS (COMBINED)	A 670
R-13 (VICKSBURG)	6808	1385.0	28.0	BORREGOS (COMBINED)	A 469
R-5(S) (VICKSBURG)	6819	811.0	15.1	BORREGOS (COMBINED)	A 670
Z21-B (VICKSBURG)	6925	614.0	24.7	SEELIGSON	A0271
Z21-B (VICKSBURG)	6925	614.0	24.7	SEELIGSON	A0271
ZONE Z10-7	6930	1314.0	30.6	SEELINGSON	50AI
ZONE R-13	6946	1385.0	28.0	BORREGOS	89AL
R-13 ZONE	6946	1400.0	28.0	BORREGOS	62AM
R-13	6968	26.3	21.6	BORREGOS (COMBINED)	A 569
R-5(S) (VICKSBURG)	7040	178.0	21.1	BORREGOS	A1270
R-5(S) (VICKSBURG)	7049	940.0	27.1	BORREGOS (COMBINED)	A 469
R-5(S) (VICKSBURG)	7049	178.0	21.0	BORREGOS (COMBINED)	A 469
R-5 ZONE	7127	940.0	27.1	BORREGOS	61AM
ZONE R-SOUTH	7180	940.0	27.1	BORREGOS	88AL
ARITHMETIC AVERAGE	6920	907.1	25.1		
GEOMETRIC AVERAGE		650.6			
MEDIAN VALUE		940.0	27.1		
MODE		1491.4	28.3		
IDEAL SPECIFIC FLOW RATE =	302.1 GPM/FT				
CLEARFORK GROUP					
ZONE Z1-B	7000	212.0	25.0	TIJERINA	A 571
ARITHMETIC AVERAGE	7000	212.0	25.0		
GEOMETRIC AVERAGE		212.0			
MEDIAN VALUE		212.0	25.0		
MODE		212.0	25.0		
IDEAL SPECIFIC FLOW RATE =	44.2 GPM/FT				

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KNOX COUNTY

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WOLFCAMP SERIES UNDIFFERENTIATED					
VOSS (TANNEHILL SAND	491	15.0	2.5	VOSS TANNEHILL	A 469
TANNEHILL	1617	150.0	25.0	GOREE	390K
TANNEHILL SAND	1700	93.0	21.4	EARL WISDOM	368K
TANNEHILL	1700	32.5	21.5	GOREE	391K
TANNEHILL	1710	181.0	23.0	TEXOMA	702K
TANNEHILL SAND	1725	300.0	25.0	GOREE	A1070
TANNEHILL SAND	1740	400.0	25.0	GOREE	394K
1750 FT TANNEHILL	1750	100.0	23.0	GOREE	389K
1750 FT TANNEHILL	1750	100.0	23.0	GOREE	395K
TANNEHILL	1816	307.0	23.0	J. R. K.	133AI
FIRST TANNEHILL	1890	45.0	20.0	PLUMLEE	654K
TANNEHILL	1903	300.0	20.0	PERMAYES	136AI
TANNEHILL	1920	250.0	24.0	VOSS, SOUTH	715K
TANNEHILL	1928	250.0	24.0	VOSS S.	A 770
TANNEHILL	1940	218.0	23.4	VOSS	714K
UPPER VOSS SAND	1950	218.0	23.4	VOSS	713K
TANNEHILL SAND	2000	285.0	22.0	VOSS	A1069
SECOND TANNEHILL	2000	121.0	22.0	PLUMLEE	655K
TANNEHILL	2000		24.5	HACKATHORN, EAST	147AS
TANNEHILL	2012	285.0	22.0	VOSS	A 770
TANNEHILL SAND	2020	275.0	22.0	PLUMLEE 2ND	A1170
SECOND TANNEHILL	2025	275.0	22.0	PLUMLEE	A 671
TANNEHILL SAND	2060	221.0	21.1	JARVIS	467K
TANNEHILL	2065	221.0	21.1	JARVIS	A 770
TANNEHILL	2067	175.0	20.5	JARVIS	162AH
TANNEHILL	2300	20.0	13.0	KNOX CITY	560K
TANNEHILL	2400	.1	23.0	HENRY-HAMILTON	408K
TANNEHILL SAND	2500	153.0	21.4	BENJAMIN, SOUTHWEST	250AL
TANNEHILL	2570	150.0	24.0	TWO TEE	162AG
ARITHMETIC AVERAGE	1915	183.6	21.6		
GEOMETRIC AVERAGE		115.2			
MEDIAN VALUE		219.0	22.0		
MODE		287.3	23.9		
IDEAL SPECIFIC FLOW RATE =	6.4 GPM/FT				
CANYON GROUP					
CANYON	4175	811.0	4.7	KNOX CITY, NORTH	163A _w

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CANYON GROUP					
CANYON	4200	13.0	4.7	KNOX CITY	561K
CANYON	4240	13.0	4.7	KNOX CITY NORTH	A 669
ARITHMETIC AVERAGE	4205	279.0	4.7		
GEOMETRIC AVERAGE		51.6			
MEDIAN VALUE		13.0	4.7		
MODE		16.3	4.7		
IDEAL SPECIFIC FLOW RATE =	1.0 GPM/FT				
STRAWN GROUP					
STRAWN	4161	50.0	17.5	WYLIE	168AH
ARITHMETIC AVERAGE	4161	50.0	17.5		
GEOMETRIC AVERAGE		50.0			
MEDIAN VALUE		50.0	17.5		
MODE		50.0	17.5		
IDEAL SPECIFIC FLOW RATE =	2.9 GPM/FT				
BEND GROUP					
MARBLE FALLS	5918	6.0	15.0	BENJAMIN, WEST	139AS
ARITHMETIC AVERAGE	5918	6.0	15.0		
GEOMETRIC AVERAGE		6.0			
MEDIAN VALUE		6.0	15.0		
MODE		6.0	15.0		
IDEAL SPECIFIC FLOW RATE =	.6 GPM/FT				

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LAMB COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES	3960	1.6	15.2	LITTLEFIELD	75J
SAN ANDRES	4100	2.8	13.3	ILLUISION LAKE	45J
SAN ANDRES	4100	2.8	13.3	ILLUISION LAKE	46J
SAN ANDRES	4115	2.8	13.3	ILLUISION LAKE	A 769
SAN ANDRES	4116	2.5	14.0	ILLUISION LAKE	149AJ
ARITHMETIC AVERAGE	4078	2.5	13.8		
GEOMETRIC AVERAGE		2.4			
MEDIAN VALUE		2.8	13.3		
MODE		2.7	13.4		
IDEAL SPECIFIC FLOW RATE =	.2 GPM/FT				
LEONARD (SUB-DIVIDED) SERIES UNDIFFERENTIATED					
CLEARFORK	5600	18.8	10.0	ANTON-IRISH	A1070
ARITHMETIC AVERAGE	5600	18.8	10.0		
GEOMETRIC AVERAGE		18.8			
MEDIAN VALUE		18.8	10.0		
MODE		18.8	10.0		
IDEAL SPECIFIC FLOW RATE =	1.9 GPM/FT				

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LA SALLE COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
JACKSON GROUP					
SHALLOW SAND	400	250.0	25.8	RODRIGUEZ	3AL
MIRANDO	412	1013.0	32.8	RODRIGUEZ (SHALLOW)	44A
ARITHMETIC AVERAGE	406	631.5	29.3		
GEOMETRIC AVERAGE		503.2			
MEDIAN VALUE		1013.0	32.8		
MODE		268.8	26.2		
IDEAL SPECIFIC FLOW RATE =	1.1 GPM/FT				
CLAIBORNE GROUP					
CROCKETT	1270	344.0	29.2	JACK FROST	4AD
ARITHMETIC AVERAGE	1270	344.0	29.2		
GEOMETRIC AVERAGE		344.0			
MEDIAN VALUE		344.0	29.2		
MODE		344.0	29.2		
IDEAL SPECIFIC FLOW RATE =	5.5 GPM/FT				
CARRIZO GROUP					
4800 FT. SAND	4800	23.0	22.7	WASHBURN, EAST	6AC
ARITHMETIC AVERAGE	4800	23.0	22.7		
GEOMETRIC AVERAGE		23.0			
MEDIAN VALUE		23.0	22.7		
MODE		23.0	22.7		
IDEAL SPECIFIC FLOW RATE =	2.7 GPM/FT				
WILCOX GROUP					
WILCOX (W) SAND	4700	294.0	26.5	WASHBURN, NORTH	3AH
5050 FT. WILCOX	5050	126.0	26.7	TWO FINGERS, SOUTH	3AE
5500 SAND	5500	214.0	20.0	WASHBURN RANCH (5500)	53A
ARITHMETIC AVERAGE	5083	211.3	24.4		
GEOMETRIC AVERAGE		199.4			
MEDIAN VALUE		214.0	26.5		
MODE		131.6	26.4		
IDEAL SPECIFIC FLOW RATE =	16.8 GPM/FT				

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LAVACA COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CLAIBORNE GROUP					
YEGUA	5250	200.0	32.0	PROVIDENT CITY	A1269
6000 FT. SAND	6000	494.0	32.0	PROVIDENT CITY, NE	12AE
ARITHMETIC AVERAGE	5625	347.0	32.0		
GEOMETRIC AVERAGE		314.3			
MEDIAN VALUE		494.0	32.0		
MODE		209.5	32.0		
IDEAL SPECIFIC FLOW RATE =	31.9 GPM/FT				

T E X A S W A T E R D E V E L O P M E N T B O A R D

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S A L I N E W A T E R R E S O U R C E S S U R V E Y

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S T A T E O F T E X A S

A Q U I F E R R O C K P R O P E R T I E S

L E O N C O U N T Y

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
EAGLE FORD GROUP					
SUB-CLARKSVILLE	5100	1200.0	26.4	LONG LAKE	26A0
SUB-CLARKSVILLE	7130	54.0	17.5	LEONA	55AF
SUB CLARKSVILLE	6642	53.0	17.6	LEONA	A 270
ARITHMETIC AVERAGE	6291	435.7	20.5		
GEOMETRIC AVERAGE		150.9			
MEDIAN VALUE		54.0	17.6		
MODE		62.7	17.9		
IDEAL SPECIFIC FLOW RATE =	12.3 GPM/FT				
WOODBINE GROUP					
WOODBINE	6039	39.0	26.0	BUFFALO, SOUTH	A 370
WOODBINE	7806	3.5	15.7	O. S. R.	50AE
WOODBINE	7855	16.0	15.0	OSR (WOODBINE)	A 669
ARITHMETIC AVERAGE	7233	19.5	18.9		
GEOMETRIC AVERAGE		13.0			
MEDIAN VALUE		16.0	15.7		
MODE		4.0	15.6		
IDEAL SPECIFIC FLOW RATE =	1.0 GPM/FT				

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LIBERTY COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
MIOCENE SERIES UNDIFFERENTIATED					
MIOCENE	1620	500.0	37.0	HULL	A1269
MIOCENE -FRIO	2350	708.0	30.0	HULL	A 369
MIOCENE (L) SAND	3438	830.0	31.3	ESPERDON DOME	A0371
FB-6, M-26 (MIOCENE)	3865	2369.0	36.0	HANKAMER (MIOCENE)	A 869
ARITHMETIC AVERAGE	2818	1101.7	33.6		
GEOMETRIC AVERAGE		913.4			
MEDIAN VALUE		830.0	36.0		
MODE		542.1	30.4		
IDEAL SPECIFIC FLOW RATE =	26.8 GPM/FT				
VICKSBURG GROUP					
VICKSBURG	5473	200.0	30.2	ESPERSON DOME	A 869
VICKSBURG	7550	3214.0	34.1	RAYWOOD	25AK
ARITHMETIC AVERAGE	6511	1707.0	32.1		
GEOMETRIC AVERAGE		801.7			
MEDIAN VALUE		3214.0	34.1		
MODE		232.0	30.4		
IDEAL SPECIFIC FLOW RATE =	45.7 GPM/FT				
CLAIBORNE GROUP					
EY-3 YEGUA	4545	113.0	30.2	HULL	A 569
DY YEGUA SAND	5312	29.0	25.3	HULL	A 569
EY-1	5700	200.0	30.0	HULL	39C
5785 FT. SAND	5785	695.0	30.0	CLEVELAND, NORTH	44AL
EY-2 FB-5	6100	400.0	30.0	HULL	40C
YEGUA NO. 1 SAND	6200	200.0	20.0	HULL	37C
WILLEY SAND	6528	1505.0	31.5	MOSS HILLS NORTH	58C
COCKFIELD	6586	1500.0	31.5	MOSS HILL NORTHWEST	26AI
COCKFIELD	6628	1505.0	31.5	MOSS HILL, NORTH	25AI
NODOSARIA MEXICANA	6770	300.0	25.0	LIBERTY SOUTH	49C
YEGUA A-1	6848	764.0	32.0	MOSS HILL, SOUTH	28AF
YEGUA (A)	6914	570.0	27.0	MOSS HILL	20AG
MIDDLE YEGUA	7200	220.0	28.0	KIRBY	48C

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CLAIBORNE GROUP					
FRAZIER SAND	7616		25.0	HARDIN	19AI
FRAZIER	7970	360.0	28.0	HARDIN, SOUTHWEST	29AR
YEGUA	7975	250.0	25.0	MARTHA	A1069
FLOWERS	8100	122.0	25.0	MARTHA	20AI
S. PALMER SAND	8200	162.0	26.5	MARTHA	21AI
YEGUA EY-1	8396	300.0	26.5	DAYTON, NORTH	53AM
FLOWERS	8448	127.0	27.4	MARTHA, SOUTH	23AI
PALMER	8466	175.0	27.6	MARTHA, SOUTH	22AI
EY-1B FLT BLK	8900	150.0	30.0	HULL	38C
EY-1B YEGUA	8919	229.0	28.1	MERCHANT (EY-1B RES)	A 569
EY-2B SAND ZONE	10488	115.0	20.0	HATHAWAY	25AC
Y-3 SAND	11085	100.0	24.0	RICH RANCH	28AE
CROCKETT	7440	236.0	25.0	EPERSON DOME	22C
COOK MOUNTAIN	9667	8.2	21.2	HULL FIELD	20AP
ARITHMETIC AVERAGE	7511	397.5	27.1		
GEOMETRIC AVERAGE		232.1			
MEDIAN VALUE		229.0	27.4		
MODE		251.1	25.4		
IDEAL SPECIFIC FLOW RATE =	61.8 GPM/FT				
WILCOX GROUP					
KOVACH 9000 SAND	9019	40.0	22.0	LICK BRANCH	A 469
ARITHMETIC AVERAGE	9019	40.0	22.0		
GEOMETRIC AVERAGE		40.0			
MEDIAN VALUE		40.0	22.0		
MODE		40.0	22.0		
IDEAL SPECIFIC FLOW RATE =	14.1 GPM/FT				

T E X A S W A T E R D E V E L O P M E N T B O A R D
S A L I N E W A T E R R E S O U R C E S S U R V E Y

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O F T H E
S T A T E O F T E X A S
A Q U I F E R R O C K P R O P E R T I E S
L I M E S T O N E C O U N T Y

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
	TRINITY GROUP				
RODESSA	6678	300.0	20.0	SOUTHWEST OLETHA	A 370
ARITHMETIC AVERAGE	6678	300.0	20.0		
GEOMETRIC AVERAGE		300.0			
MEDIAN VALUE		300.0	20.0		
MODE		300.0	20.0		
IDEAL SPECIFIC FLOW RATE =	69.7 GPM/FT				

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LIPSCOMB COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
DOUGLAS GROUP					
TONKAWA	5900	12.3	14.2	KIOWA CREEK	17AB
TONKAWA	6100		14.0	BECHTOLD	150AF
TONKAWA	6100		14.0	BECHTOLD	165AG
TONKAWA	6200	8.0	15.0	FRASS	15AB
TONKAWA	6200	25.0	14.6	FRASS	152AF
TONKAWA	6202	53.0	17.0	FRASS, WEST	145AR
TONKAWA	6255	500.0	15.0	DARROUZETT, NW	164AS
TONKAWA SAND	6330	17.0	15.5	DARROUZETT	176AC
TONKAWA	6470		13.0	BRADFORD	1L
TONKAWA	6480	20.0	16.9	BRADFORD	166AG
TONKAWA	6616	7.0	14.6	MAMMOTH CREEK	166AS
TONKAWA	7050	37.0	17.3	KELLN	16AB
TONKAWA	7066	8.5	14.0	TROSPER	170AS
TONKAWA	7294	8.0	10.9	KELLN	182AD
TONKAWA	7300	11.0	11.0	KELLN	156AF
TONKAWA	7558	1.5	11.5	HIGGINS, WEST	76AQ
TONKAWA	7573	6.0	11.8	FELDMAN	151AF
ARITHMETIC AVERAGE	6629	51.0	14.1		
GEOMETRIC AVERAGE		15.3			
MEDIAN VALUE		12.3	14.2		
MODE		6.7	11.2		
IDEAL SPECIFIC FLOW RATE =	.8 GPM/FT				
MARMATON GROUP					
MARMATON	7620	.5	12.2	PERRY	179AE
ARITHMETIC AVERAGE	7620	.5	12.2		
GEOMETRIC AVERAGE		.5			
MEDIAN VALUE		.5	12.2		
MODE		.5	12.2		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
MORROW SERIES UNDIFFERENTIATED					
UPPER MORROW-OIL	8935	50.0	15.0	KIOWA CREEK	165AS

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LIPSCOMB COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
MORROW SERIES UNDIFFERENTIATED					
MORROW _u UPPER	9743	100.0		BEAL	71AP
MORROW _s LOWER	10379	10.0	13.0	BEAL	70AP
MORROW _w LOWER	10838	3.8	10.5	CNB	161AS
ARITHMETIC AVERAGE	9974	40.9	12.8		
GEOMETRIC AVERAGE		20.9			
MEDIAN VALUE		50.0	13.0		
MODE		4.5	10.7		
IDEAL SPECIFIC FLOW RATE =	1.1 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUEYDAN-CATAHOULA GROUP					
MCIVER SAND	3722	800.0	34.0	MT. LUCAS MCIVER SD	418
ARITHMETIC AVERAGE	3722	800.0	34.0		
GEOMETRIC AVERAGE		800.0			
MEDIAN VALUE		800.0	34.0		
MODE		800.0	34.0		
IDEAL SPECIFIC FLOW RATE =	65.0 GPM/FT				
VICKSBURG GROUP					
MCIVER SAND	3722	1000.0	34.0	MT. LUCAS	33AH
VICKSBURG V-1 SAND	3748	450.0	31.0	MT. LUCAS	34AH
MCIVER SAND	3750	800.0	34.0	MOUNT LUCAS	6AH
ARITHMETIC AVERAGE	3740	750.0	33.0		
GEOMETRIC AVERAGE		711.4			
MEDIAN VALUE		800.0	34.0		
MODE		468.7	33.9		
IDEAL SPECIFIC FLOW RATE =	39.4 GPM/FT				
JACKSON GROUP					
LOMA NOVA	1500		30.0	EZZELL	30A
HOCKLEY C	1662	874.0	25.8	WHITE CREEK, EAST	15AS
HOCKLEY C SAND	1662	1686.0	30.0	WHITE CREEK, EAST	17AC
HOCKLEY	2130	320.0	30.4	MOUNTAIN VIEW	13AC
CHERNOSKY	2250	1282.0	34.2	TEXAS EAST CHERNOSKY	50H
CHERNOSKY	2260	2500.0	34.2	TEXAS, EAST	14AS
CHERNOSKY	2260	1282.0	34.2	TEXAS, EAST	15AC
CHERNOSKY	2600	67.0	26.0	TEXAS EAST	49H
HOCKLEY, UPPER	3237	224.0	30.1	LUCILLE	12AI
UPPER HOCKLEY	3900	750.0	30.0	BUCKEYE KNOLL	4AH
LOWER HOCKLEY	3979	483.0	32.2	BUCKEYE KNOLL	A 369
JACKSON	4250	792.0	31.8	HAMIRENA SW	45H
HOCKLEY (UPPER)	4322	197.0	28.5	SWINNEY SWITCH	48R
JACKSON	4500	618.0	30.0	HAMIRENA, SOUTHWEST	35AH
ARITHMETIC AVERAGE	2894	851.9	30.5		
GEOMETRIC AVERAGE		588.5			
MEDIAN VALUE		750.0	30.1		
MODE		715.9	29.6		
IDEAL SPECIFIC FLOW RATE =	38.1 GPM/FT				

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LIVE OAK COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CLAIBORNE GROUP					
YEGUA 3	5400	200.0	27.0	HAMIRENA, SOUTHWEST	A0470
QUEEN CITY	5000	23.0	25.5	CLAYTON-N.E.	A 269
QUEEN CITY (B)	5040	147.0	32.0	CLAYTON	6A1
QUEEN CITY B	5050	98.0	27.0	CLAYTON (QUEEN CTY B	9B
QUEEN CITY (D)	6643	205.0	28.0	CLAYTON	A 469
ARITHMETIC AVERAGE	5427	134.6	27.9		
GEOMETRIC AVERAGE		106.3			
MEDIAN VALUE		147.0	27.0		
MODE		184.9	27.1		
IDEAL SPECIFIC FLOW RATE =	28.3 GPM/FT				
CARRIZO GROUP					
4250 FT. (CARRIZO)	3821	300.0	28.0	ATKINSON	A 671
ARITHMETIC AVERAGE	3821	300.0	28.0		
GEOMETRIC AVERAGE		300.0			
MEDIAN VALUE		300.0	28.0		
MODE		300.0	28.0		
IDEAL SPECIFIC FLOW RATE =	26.0 GPM/FT				
WILCOX GROUP					
LULING	7250	469.0	21.4	KARON	A0970
LULING (WILCOX)	7270	391.0	21.4	KARON LULING SAND	34B
LULING SAND	7270	469.0	21.4	KARON	174H
7600 FT. SAND	7600	57.0	22.7	MAXINE	144F
ARITHMETIC AVERAGE	7347	346.5	21.7		
GEOMETRIC AVERAGE		264.6			
MEDIAN VALUE		469.0	21.4		
MODE		424.4	21.5		
IDEAL SPECIFIC FLOW RATE =	115.8 GPM/FT				

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LOVING COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
DELAWARE MOUNTAIN GROUP					
UPPER DELAWARE	3162	40.0	2.2	TUNSTILL	73AA
DELAWARE SAND	3305	30.0	20.0	TUNSTILL	A 370
DELAWARE	3460	30.0	20.0	TUNSTILL	492I
DELAWARE SAND	3650	11.0	23.0	TUNSTILL, EAST	146AG
DELAWARE	4000	47.0	24.6	MASON, NORTH	348I
DELEWARE SAND	4055	52.0	.7	MASON NORTH	187AN
DELAWARE	4300	19.0	21.0	WHEAT	582I
DELAWARE	4312	19.0	21.0	WHEAT	A 369
DELAWARE SAND	4350	25.0	16.0	EL MAR	A0570
DELAWARE	4400	25.0	18.8	WHEAT	581I
DELAWARE	4406	25.0	18.8	WHEAT	A 569
BELL CANYON	4500	25.0	22.0	GRICE	94AA
DELEWARE	4510		24.0	GRACE	147AJ
DELAWARE SAND	4515	40.0	24.0	GRICE (DELAWARE)	A1269
DELEWARE	4532	18.0	21.0	EL MAR	123AH
BELL CANYON	4540	24.0	20.0	EL MAR	15AA
DELAWARE SAND	4637	44.0	22.4	GRICE	153I
DELAWARE	4820	33.0	20.3	TUNSTILL	494I
DELAWARE	4828	33.0	20.3	TWOFREDS (DELAWARE)	A1269
DELAWARE	4993	54.0	21.0	MERIDIAN (DEL)	376I
DELAWARE	4993	50.0	22.0	MERIDIAN	90AE
ARITHMETIC AVERAGE	4298	32.2	19.2		
GEOMETRIC AVERAGE		29.8			
MEDIAN VALUE		30.0	21.0		
MODE		26.5	21.0		
IDEAL SPECIFIC FLOW RATE =	1.4 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
LEONARD (SUB-DIVIDED) SERIES UNDIFFERENTIATED					
CLEARFORK	4700	1.7	13.6	LEE HARRISON	A1170
CLEARFORK	4715	1.7	13.6	LEE HARRISON	A 569
CLEARFORK	4750	1.0	13.0	LEE HARRISON	A0170
CLEARFORK	5100	1.0	8.6	EDMISSION	123AG
CLEARFORK	5150	1.0	8.0	EDMISSION	32J
CLEARFORK	5565	2.0	5.0	BROADVIEW*WEST	112AR
ARITHMETIC AVERAGE	4997	1.4	10.3		
GEOMETRIC AVERAGE		1.3			
MEDIAN VALUE		1.7	13.0		
MODE		1.0	13.2		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				

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LYNN COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES	3800	16.5	13.7	SUNILAND	167AJ
SAN ANDRES, LOWER	4000	17.3	13.7	SUNILAND	168AJ
SAN ANDRES	4120	14.0	15.2	BLOCK L	A 269
SAN ANDRES	4950	3.7	11.5	WELCH	175J
GLORIETA	4300	11.3	9.2	SUNILAND	166AJ
ARITHMETIC AVERAGE	4234	12.6	12.7		
GEOMETRIC AVERAGE		11.1			
MEDIAN VALUE		14.0	13.7		
MODE		16.1	13.7		
IDEAL SPECIFIC FLOW RATE =	1.0 GPM/FT				

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 MCMULLEN COUNTY

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
JACKSON GROUP					
GOVERNMENT WELLS	1054	800.0	30.0	DRAGOON CREEK SW	A 56g
1200 FT SAND	1200	418.0	28.5	WHEELER-MAG	4AR
LOMA NOVIA	3030	343.0		CAMPANA, SOUTH	1AR
CALLIHAM SAND	700	232.0	39.0	CALLIHAM	3A
MIRANDO SAND	490	1000.0	33.0	FOSS	2AS
ARITHMETIC AVERAGE	1295	558.6	32.6		
GEOMETRIC AVERAGE		484.2			
MEDIAN VALUE		418.0	33.0		
MODE		250.2	29.0		
IDEAL SPECIFIC FLOW RATE =	4.0 GPM/FT				
CLAIBORNE GROUP					
PETTUS	3020	229.0	37.5	CAMPANA, SOUTH	1AF
PETTUS SAND	3020	229.0	37.5	CAPANA, SOUTH	1AI
ARITHMETIC AVERAGE	3020	229.0	37.5		
GEOMETRIC AVERAGE		229.0			
MEDIAN VALUE		229.0	37.5		
MODE		229.0	37.5		
IDEAL SPECIFIC FLOW RATE =	12.2 GPM/FT				
CARRIZO GROUP					
CARRIZO B-2	3526	733.0	28.0	HENRY	1AG
CARRIZO B-3	3560	232.0	29.0	HENRY	2AF
CARRIZO B-4	3568	193.0	24.7	HENRY	2AG
LOWER CARRIZO	4785	106.0	25.4	CALLIHAM	1AC
ARITHMETIC AVERAGE	3860	316.0	26.8		
GEOMETRIC AVERAGE		242.9			
MEDIAN VALUE		232.0	28.0		
MODE		117.3	24.9		
IDEAL SPECIFIC FLOW RATE =	9.4 GPM/FT				

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MADISON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOODBINE GROUP					
UPPER WOODBINE	8604	30.0	23.0	MADISONVILLE, NORTH FORT TRINIDAD	33AD 25AS
DEXTER C	8660		18.0		
ARITHMETIC AVERAGE	8632	30.0	20.5		
GEOMETRIC AVERAGE		30.0			
MEDIAN VALUE		30.0	23.0		
MODE		30.0	18.3		
IDEAL SPECIFIC FLOW RATE =	11.4 GPM/FT				
TRINITY GROUP					
GLEN ROSE C	10576		10.3	FORT TRINIDAD	24AE
GLEN ROSE C	10642	350.0	33.0	FORT TRINIDAD, EAST	25AE
UPPER GLEN ROSE	10444	10.0	10.0	FORT TRINIDAD	A 569
ARITHMETIC AVERAGE	10554	180.0	17.8		
GEOMETRIC AVERAGE		59.2			
MEDIAN VALUE		350.0	10.3		
MODE		12.1	11.2		
IDEAL SPECIFIC FLOW RATE =	6.2 GPM/FT				

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MARION COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
AUSTIN GROUP					
GRAY TOKIO	2300	99.0	30.9	MARION CO. SHALLOW	33F
TOKIO SAND	2302	65.0	30.9	MARION CO. (SHALLOW)	A 370
TOKIO (DAVIS-SMITH)	2340	90.0	24.7	MARION CO. SHALLOW	34F
ARITHMETIC AVERAGE	2314	84.7	28.8		
GEOMETRIC AVERAGE		83.4			
MEDIAN VALUE		90.0	30.9		
MODE		66.4	30.6		
IDEAL SPECIFIC FLOW RATE =	2.3 GPM/FT				
FREDERICKSBURG (EDWARDS UNDIVIDED) GROUP					
PALUXY	2353	87.0	24.0	MARION CO. (SHALLOW)	A 670
PALUXY	2367	87.0	23.9	MARION CO. SHALLOW	A 269
ARITHMETIC AVERAGE	2360	87.0	23.9		
GEOMETRIC AVERAGE		87.0			
MEDIAN VALUE		87.0	24.0		
MODE		87.0	23.9		
IDEAL SPECIFIC FLOW RATE =	3.1 GPM/FT				
TRINITY GROUP					
LOWER ANHYDRITE	6050	8.0	16.1	FRIENDSHIP	21F
HAYNES (RODESSA ZON)	5900	21.0	15.4	HAYNES (MITCHELL)	24F
HAYNES (RODESSA ZON)	5950	7.0	12.4	HAYNES (MITCHELL)	25F
RODESSA	5979	11.0	19.0	VICKI LYNN (RODESSA)	64F
HILL RODESSA	6002	21.0	20.0	VICKI LYNN (RODESSA)	A 670
VICKI LYNN RODESSA	6002	21.0	20.0	VICKI LYNN RODESSA	A 671
HILL	6057	21.0	20.0	VICKI LYNN (RODESSA)	62F
HILL	6057	21.0	20.0	VICKI LYNN (RODESSA)	63F
RODESSA	6057	25.0	21.8	VICKIE LYNN	100AJ
ARITHMETIC AVERAGE	6006	17.3	18.3		
GEOMETRIC AVERAGE		15.8			
MEDIAN VALUE		21.0	20.0		
MODE		20.7	20.4		
IDEAL SPECIFIC FLOW RATE =	3.2 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
SLIGO (PETTET) GROUP					
PETTET	6265	8.0	16.0	GREEN FOX	52AC
UPPER PETTET	7330	11.0	12.4	LAKE FERRELL	31F
ARITHMETIC AVERAGE	6797	9.5	14.2		
GEOMETRIC AVERAGE		9.4			
MEDIAN VALUE		11.0	16.0		
MODE		8.1	12.6		
IDEAL SPECIFIC FLOW RATE =	1.8 GPM/FT				
HOSSTON (TRAVIS PEAK) GROUP					
SMITH	5980	50.0	16.9	GREEN FOX	33A0
SMITH ZONE	6174	50.0	16.9	GREEN FOX	42AP
ARITHMETIC AVERAGE	6077	50.0	16.9		
GEOMETRIC AVERAGE		50.0			
MEDIAN VALUE		50.0	16.9		
MODE		50.0	16.9		
IDEAL SPECIFIC FLOW RATE =	9.0 GPM/FT				

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MARTIN COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
LEONARD (UNDIVIDED) SERIES UNDIFFERENTIATED					
SPRAYBERRY	7100	1.0	12.0	SPRABERRY TREND AREA	A0570
SPRAYBERRY	7615	.5	8.0	SPRAYBERRY (TREND)	A 669
SPRAYBERRY	7905	.1	10.0	GLASS (SPRAYBERRY)	A 469
SPRABERRY	8350		12.0	BREEDLOVE	112AD
ARITHMETIC AVERAGE	7742	.5	10.5		
GEOMETRIC AVERAGE		.4			
MEDIAN VALUE		.5	12.0		
MODE		.1	11.8		
IDEAL SPECIFIC FLOW RATE =	.0 GPM/FT				
DEVONIAN SYSTEM UNDIFFERENTIATED					
DEVONIAN	12078	200.0	4.0	BREEDLOVE	A0170
DEVONIAN	12078	62.0	9.0	BREEDLOVE	106AM
DEVONIAN	12100		9.0	BREEDLOVE	3AA
DEVONIAN	12280	300.0	6.0	BLOCK 7	71AS
ARITHMETIC AVERAGE	12134	187.3	7.0		
GEOMETRIC AVERAGE		154.9			
MEDIAN VALUE		200.0	9.0		
MODE		67.3	8.8		
IDEAL SPECIFIC FLOW RATE =	22.4 GPM/FT				
SILURIAN LOW-MID SERIES UNDIFFERENTIATED					
FUSSELMAN	13000		4.5	RUEBEN	128AC
ARITHMETIC AVERAGE	13000		4.5		
GEOMETRIC AVERAGE					
MEDIAN VALUE			4.5		
MODE			4.5		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				
ELLENBURGER GROUP					
ELLENBURGER	13400		2.5	RUEBEN	127AC
ARITHMETIC AVERAGE	13400		2.5		
GEOMETRIC AVERAGE					
MEDIAN VALUE			2.5		
MODE			2.5		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD

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SALINE WATER RESOURCES SURVEY

OF THE

STATE OF TEXAS

AQUIFER ROCK PROPERTIES

MATAGORDA COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUEYDA _N -CATAHOULA GROUP					
CAMP SAND	65.0	100.0	32.0	NORTHERN RANCH	22AG
6650 FT. SAND	6650	1000.0	28.0	GANADO DEEP	14AK
CARLSON SAND	6727	400.0		NORTHERN RANCH	27AE
F-6 RESERVOIR	6976	500.0	33.0	BLESSING, NORTH	18AE
F-3 SAND (FRIO)	7010	102.0	27.8	BLESSING	A0271
F-3 SAND (FRIO)	7010	102.0	27.5	BLESSING	A0271
F-3 SAND	7023	53.0	30.0	BLESSING	19AF
7000 FT. FRIO	7057	119.0	23.2	BAY CITY FRIO	A 370
F-10 SAND	7542	1000.0	31.0	BLESSING	20AF
CORNELIUS	7700	467.0	29.0	MARKHAM N BAY CITY	54C
CAYCE	7798	1387.0	28.0	MARKHAM N BAY CITY	53C
PARKER SAND	7914		28.0	BAY CITY, EAST	21AS
F-14 RESERVOIR	8100	55.0	27.0	BLESSING	16AE
FRIO SAND	8128	590.0	30.4	PHEASANT, SOUTH	35AD
F-14B (FRIO)	8140	102.0	27.0	BLESSING	A0171
F-14 B SAND (FRIO)	8140	102.0	17.0	BLESSING	A0970
8150 B-1 SAND	8150	450.0	30.0	PHEASANT, SOUTHWEST	31AF
C-2 SAND	8165	110.0	26.0	COLLEGEPORT, NORTH	15AI
F-14-B SAND	8209	212.0	30.0	BLESSING	21AF
F-15	8252	63.0	31.0	BLESSING	22AF
LIVE OAK SAND	8448	400.0	18.0	TIDEHAVEN	72AL
8500 BADOUGH	8500		24.0	BAY CITY	7AP
HEFFELFINGER SAND	8536	300.0	20.0	TIDEHAVEN	73AL
SARTWELLE SAND	8560	300.0	20.0	TIDEHAVEN	74AL
F-18 RESERVOIR	8572	250.0	30.0	BLESSING	17AE
8650 FRIO	8650	502.0	29.9	BAY CITY	19AS
8700 FRIO	8700	120.0	23.0	BAY CITY	20AS
EHERSTEIN	8758	78.0	29.2	PHEASANT	30AF
MELBOURN E-3 SEG. C	9024		25.0	PALACIOS	29AF
WEST ZONE	9040	2600.0	25.0	MIDFIELDS	57C
MELBOURN E-4 SEG. E	9073		25.0	PALACIOS	23AG
FRIO	9500	60.0	23.0	FAITH-MAG	14AJ
LEWIS SAND	10458	150.0	27.5	CANEY	19AE
FRIO 4	10615	266.0	27.3	DUNCAN SLOUGH	21AE
FRIO 5	10637	1772.0	27.3	DUNCAN SLOUGH	22AF
UPPER HARDY HORN	19562	300.0	25.0	LUCKY, WEST	A 769
ARITHMETIC AVERAGE	8553	437.9	26.7		
GEOMETRIC AVERAGE		244.5			
MEDIAN VALUE		266.0	27.5		
MODE		96.8	27.4		
IDEAL SPECIFIC FLOW RATE =	25.4 GPM/FT				

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MAVERICK COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
NAVARRO GROUP					
SAN MIGUEL	1400	800.0	28.0	SANER RANCH	48A
SAN MIGUEL-1	1691	3.6	24.0	SACATOSA	A 569
SAN MIGUEL	1700	4.0	26.0	JACKPOT	2A1
SAN MIGUEL NO. 1	1890	4.0	25.0	SACATOSA SAN MIGUEL	45A
ARITHMETIC AVERAGE	1670	202.9	25.7		
GEOMETRIC AVERAGE		14.7			
MEDIAN VALUE		4.0	26.0		
MODE		4.9	24.2		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD

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AQUIFER ROCK PROPERTIES

MEDINA COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GULF SERIES UNDIFFERENTIATED					
NAVARRO	250		29.0	TAYLOR-INA	50A
ARITHMETIC AVERAGE	250		29.0		
GEOMETRIC AVERAGE			29.0		
MEDIAN VALUE			29.0		
MODE			29.0		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				
NAVARRO GROUP					
NAVARRO	457	38.0	22.0	CHICON LAKE	14A
ARITHMETIC AVERAGE	457	38.0	22.0		
GEOMETRIC AVERAGE		38.0	22.0		
MEDIAN VALUE		38.0	22.0		
MODE		38.0	22.0		
IDEAL SPECIFIC FLOW RATE =	.2 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD
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HENARD COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CISCO GROUP					
1650 FT. KING SAND	1632	92.0	18.0	FERRIS	A 469
KING SAND	1654	92.0	18.0	FERRIS KING SAND	A 669
CISCO SAND	2620	161.0	19.8	F+H (CISCO)	19H
ARITHMETIC AVERAGE	1969	115.0	18.6		
GEOMETRIC AVERAGE		110.9			
MEDIAN VALUE		92.0	18.0		
MODE		94.6	18.1		
IDEAL SPECIFIC FLOW RATE =	2.7 GPM/FT				
CANYON GROUP					
CANYON SAND	3100	48.0	13.7	WILHELM	105H
CANYON	3335	48.0	13.7	WILHELM LANE	105AG
ARITHMETIC AVERAGE	3217	48.0	13.7		
GEOMETRIC AVERAGE		48.0			
MEDIAN VALUE		48.0	13.7		
MODE		48.0	13.7		
IDEAL SPECIFIC FLOW RATE =	2.8 GPM/FT				
STRAWN GROUP					
3700 FT. SAND	3700	5.2	16.0	TUCKMAR, SOUTH	101AD
ARITHMETIC AVERAGE	3700	5.2	16.0		
GEOMETRIC AVERAGE		5.2			
MEDIAN VALUE		5.2	16.0		
MODE		5.2	16.0		
IDEAL SPECIFIC FLOW RATE =	.4 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD
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MIDLAND COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WHITEHORSE GROUP					
QUEEN SAND	4425	54.9	17.1	CONCHO BLUFF NORTH	A0170
GRAYBURG	3940	50.0	19.6	GERMANIA (GRAYBURG)	1281
GRAYBURG	4070	4.0	12.0	AZALEA	80AA
ARITHMETIC AVERAGE	4145	36.3	16.2		
GEOMETRIC AVERAGE		22.2			
MEDIAN VALUE		50.0	17.1		
MODE		48.6	12.4		
IDEAL SPECIFIC FLOW RATE =	2.9 GPM/FT				
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES	3399	17.0	19.0	PEGASUS (SAN ANDRES)	A 869
SAN ANDRES	5600	13.5	18.5	PEGASUS	157AJ
ARITHMETIC AVERAGE	4499	15.2	18.7		
GEOMETRIC AVERAGE		15.1			
MEDIAN VALUE		17.0	19.0		
MODE		13.7	18.5		
IDEAL SPECIFIC FLOW RATE =	.9 GPM/FT				
LEONARD (UNDIVIDED) SERIES UNDIFFERENTIATED					
UPPER SPRABERRY	4000	1.0	11.5	SPRABERRY (TREND)	478I
SPRABERRY	6950		14.0	SPRABERRY (TREND)	469I
SPRABERRY	7000	1.0	12.0	SPRABERRY (TREND)	A0271
SPRAYBERRY	7000	1.0	12.0	SPRAYBERRY TREND	A 469
SPRABERRY	7000	1.0	11.2	SPRABERRY (TREND)	461I
SPRABERRY	7000		14.0	SPRABERRY (TREND)	465I
SPRABERRY	7000		14.0	SPRABERRY (TREND)	466I
UPPER SPRABERRY	7040	.3	8.4	SPRABERRY	A0570
SPRABERRY	7050		14.0	SPRABERRY (TREND)	464I
SPRABERRY	7050		14.0	SPRABERRY (TREND)	467I
SPRABERRY	7050		14.0	SPRABERRY (TREND)	468I
SPRABERRY	7050		14.0	SPRABERRY (TREND)	470I
SPRABERRY	7050		14.0	SPRABERRY (TREND)	473I
SPRAYBERRY	7100	1.0	12.0	SPRABERRY TREND AREA	A0570

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
LEONARD (UNDIVIDED) SERIES UNDIFFERENTIATED					
UPPER SPRABERRY	7100	.1	12.0	SPRABERRY (TREND)	475I
UPPER SPRABERRY	7100	1.0	9.0	SPRABERRY (TREND)	482I
SPRABERRY	7145	1.0	8.0	SPRABERRY TREND AREA	A 370
SPRAYBERRY	7155	1.0	14.0	SPRAYBERRY TREND	A 469
SPRABERRY	7170	1.0	12.0	SPRAYBERRY (TREND)	A1069
SPRABERRY	7200		14.0	SPRABERRY (TREND)	471I
SPRABERRY	7200		14.0	SPRABERRY (TREND)	472I
UPPER SPRABERRY	7200	.1	11.0	SPRABERRY (TREND)	474I
UPPER SPRABERRY	7200	.1	12.0	SPRABERRY (TREND)	476I
UPPER SPRABERRY	7200	.1	12.0	SPRABERRY (TREND)	477I
UPPER SPRABERRY	7200	1.0	11.0	SPRABERRY (TREND)	481I
ARITHMETIC AVERAGE	6968	.7	12.3		
GEOMETRIC AVERAGE		.5			
MEDIAN VALUE		1.0	12.0		
MODE		.9	13.7		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
WOLFCAMP SERIES UNDIFFERENTIATED					
WOLFCAMP ₁ LOWER	9795	20.0	11.0	WAR-SAN	136AS
ARITHMETIC AVERAGE	9795	20.0	11.0		
GEOMETRIC AVERAGE		20.0			
MEDIAN VALUE		20.0	11.0		
MODE		20.0	11.0		
IDEAL SPECIFIC FLOW RATE =	4.5 GPM/FT				
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENNSYLVANIAN	10116	5.4	4.2	DORA ROBERTS	106AK
PENNSYLVANIAN	10116	3.6	3.7	DORA ROBERTS	86AS
PENNSYLVANIAN	10188	4.9	9.5	VIKEY	130AS
LOWER PENNSYLVANIAN	10342	11.0	17.2	SWEETIE PECK	209AN
PENNSYLVANIAN	10470	9.0	6.7	PEGASUS	103AG
PENNSYLVANIAN	10490	9.0	6.7	PEGASUS	073H
PENNSYLVANIAN	10500	3.0	6.7	PARKS (PENN)	391I
PENNSYLVANIAN	10780	5.0	9.5	WAR-SAN	134AS
ARITHMETIC AVERAGE	10375	6.4	8.0		
GEOMETRIC AVERAGE		5.8			
MEDIAN VALUE		5.4	6.7		
MODE		4.7	7.1		
IDEAL SPECIFIC FLOW RATE =	1.2 GPM/FT				

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MIDLAND COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAWN GROUP					
STRAWN	10260		9.7	AZALEA	131AJ
STRAWN	10320	7.0	8.0	AZALEA	81AA
STRAWN	10560		8.0	HALLANAN	113AM
ARITHMETIC AVERAGE	10380	7.0	8.6		
GEOMETRIC AVERAGE		7.0			
MEDIAN VALUE		7.0	8.0		
MODE		7.0	8.1		
IDEAL SPECIFIC FLOW RATE =	1.7 GPM/FT				
DEVONIAN SYSTEM UNDIFFERENTIATED					
DEVONIAN	8010		10.0	G - W	126AG
DEVONIAN	11460	6.3	3.7	AZALEA	82AA
DEVONIAN	11700	1.0	12.0	PEGASUS	069H
DEVONIAN	11900		5.8	HEADLEE DEVONIAN	171I
DEVONIAN	12010	1.0	6.6	DORA ROBERTS	73I
ARITHMETIC AVERAGE	11016	2.8	7.6		
GEOMETRIC AVERAGE		1.8			
MEDIAN VALUE		1.0	6.6		
MODE		1.1	4.1		
IDEAL SPECIFIC FLOW RATE =	.3 GPM/FT				
SILURIAN LOW-MID SERIES UNDIFFERENTIATED					
FUSSELMAN	12133	15.0	2.1	DORA ROBERTS	87AS
FUSSELMAN	12234	15.0	2.2	VIKEY	131AS
FUSSELMAN	12500		7.7	MIDLAND, SOUTHWEST	135AD
FUSSELMAN	12504	31.0	7.7	MIDLAND, SW	105AS
FUSSELMAN	12514	7.7	2.6	WAR-SAN	135AS
ARITHMETIC AVERAGE	12377	17.2	4.5		
GEOMETRIC AVERAGE		15.2			
MEDIAN VALUE		15.0	2.6		
MODE		14.4	2.4		
IDEAL SPECIFIC FLOW RATE =	4.9 GPM/FT				
ELLENBURGER GROUP					
ELLENBURGER	12530	8.7	1.9	PEGASUS	102AG
ELLENBURGER	12835	211.0	2.9	DORA ROBERTS	88AS

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MIDLAND COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
ELLENBURGER GROUP					
ELLENBURGER	12968	6.8	5.5	MIDLAND SW	103AS
ELLENBURGER	13000	2.0	2.8	PEGASUS	071H
ELLENBURGER	13000	630.0	3.2	PORA ROBERTS	216AL
ELLENBURGER	13070	51.0	1.8	WAR-SAN	214AL
ELLENBURGER	13100	29.0	1.9	VIREY (ELLENBURGER)	500I
ELLENBURGER	13276	28.6	1.8	VIREY	132AS
ELLENBURGER	13276	30.0	1.6	VIREY	246AL
ELLENBURGER	13310	214.0	2.4	DORA ROBERTS	A 569
ARITHMETIC AVERAGE	13036	121.0	2.6		
GEOMETRIC AVERAGE		36.4			
MEDIAN VALUE		30.0	2.4		
MODE		27.7	1.8		
IDEAL SPECIFIC FLOW RATE =	9.9 GPM/FT				

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MITCHELL COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WHITEHORSE GROUP					
YATES SAND	1195	30.0	18.7	ALBAUCH	130AJ
SEVEN RIVERS	1200	27.0	20.0	HOWARD-GLASSCOCK	198I
ARITHMETIC AVERAGE	1197	28.5	19.4		
GEOMETRIC AVERAGE		28.5			
MEDIAN VALUE		30.0	20.0		
MODE		27.1	18.8		
IDEAL SPECIFIC FLOW RATE =	.4 GPM/FT				
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES	1510	3.5	14.0	SHARON RIDGE	99J
SAN ANDRES DOLOMITE	1543	3.5	14.5	SHARON RIDGE 1700 FT	A 769
SAN ANDRES	1550	3.4	14.0	SHARON RIDGE	100J
SAN ANDRES	1700	2.0	16.0	SHARON RIDGE	104J
SAN ANDRES	2364	10.0	7.3	IATAN (SAN ANDRES)	237I
SAN ANGELO-CLEARFORK	2600	5.0	7.5	IATAN-EAST HOWARD	223I
GLORIETA-CLEARFORK	2600	2.0	12.0	IATAN-EAST HOWARD	218I
GLORIETA-CLEARFORK	2600	4.0	10.0	IATAN-EAST HOWARD	233I
SAN ANGELO-CLEARFORK	2524	5.0	7.5	IATAN E. HOWARD	A 569
SAN ANGELO-CLEARFORK	2524	5.0	7.5	IATAN E. HOWARD	A 869
SAN ANGELO CLEARFORK	2524	5.0	7.5	IATAN E. HOWARD	A1269
SAN ANGELO CLEARFORK	2615	5.0	7.5	IATAN E. HOWARD	A1269
ARITHMETIC AVERAGE	2221	4.4	10.4		
GEOMETRIC AVERAGE		4.1			
MEDIAN VALUE		5.0	10.0		
MODE		4.9	7.7		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
LEONARD (SUB-DIVIDED) SERIES UNDIFFERENTIATED					
CLEARFORK, UPPER	2350	4.0	5.8	WESTBROOK	77AA
CLEARFORK, LOWER	2400	5.0	6.3	WESTBROOK	78AA
CLEARFORK	2450	7.8	5.0	WESTBROOK	A0570
UPPER CLEARFORK	2500	.6	7.0	COLEMAN RANCH	A0570
CLEARFORK	2548	5.0	7.5	IATAN EAST HOWARD	A 469

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MITCHELL COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
LEONARD (SUB-DIVIDED) SERIES UNDIFFERENTIATED					
CLEARFORK	2650	5.0	8.0	TURNER-GREGORY	A 571
CLEAR FORK	2668	3.0	7.3	TURNER-GREGORY	74AA
CLEARFORK	2668	3.1	7.3	TURNER-GREGORY	158AD
CLEARFORK	2730	2.0	10.0	IATAN-EAST HOWARD	A 369
CLEARFORK	2850	3.9	7.1	WESTBROOK	578I
CLEARFORK	2960	3.0	8.0	WESTBROOK	A 669
CLEARFORK	3000	7.8	8.0	WESTBROOK	579I
ARITHMETIC AVERAGE	2648	4.2	7.3		
GEOMETRIC AVERAGE		3.5			
MEDIAN VALUE		4.0	7.3		
MODE		3.2	7.3		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENNSYLVANIAN	6010	5.0	13.5	MC CAHE	121AM
ARITHMETIC AVERAGE	6010	5.0	13.5		
GEOMETRIC AVERAGE		5.0			
MEDIAN VALUE		5.0	13.5		
MODE		5.0	13.5		
IDEAL SPECIFIC FLOW RATE =	.6 GPM/FT				
STRAWN GROUP					
STRAWN	6250	3.0	11.3	JAMESON (STRAWN)	31H
STRAWN	6887	7.1	6.7	NENA LUCIA	A0471
STRAWN	6900	2.0	12.5	JAMESON (STRAWN)	29H
STRAWN REEF	6910	7.1	6.7	NENA LUCIA	A 671
ARITHMETIC AVERAGE	6737	4.8	9.3		
GEOMETRIC AVERAGE		4.2			
MEDIAN VALUE		7.1	11.3		
MODE		6.7	7.0		
IDEAL SPECIFIC FLOW RATE =	.9 GPM/FT				

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MONTAGUE COUNTY

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PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
ABC LEASE	1410	435.0	23.0	MONTAGUE CO. REGULAR	A 670
CONGLOMERATE	5854		14.0	EANES	145AS
CONGLOMERATE	6350	4.3	11.7	SAINT JO, WEST	189AJ
ARITHMETIC AVERAGE	4538	219.6	16.2		
GEOMETRIC AVERAGE		43.2			
MEDIAN VALUE		435.0	14.0		
MODE		5.6	12.3		
IDEAL SPECIFIC FLOW RATE =	0.4 GPM/FT				
CISCO GROUP					
NEWBLOCK SAND	836	100.0	25.0	MONTAGUE CO. REGULAR	626K
NEWBLOCK (CISCO) SAND	865	186.0	25.0	MONTAGUE CO. REGULAR	A1269
CISCO SAND	900	147.0	25.9	MONTAGUE CO. REGULAR	630K
900 FT SAND	900	180.0	26.0	MONTAGUE CO. REGULAR	636K
900 FT CISCO	900	150.0	26.0	MONTAGUE CO. REGULAR	612K
900 FT CISCO	900	150.0	27.0	MONTAGUE CO. REGULAR	613K
900 FT CISCO	900	150.0	20.0	MONTAGUE CO. REGULAR	614K
CISCO SAND 950 FT	949	612.0	27.1	MONTAGUE CO. REGULAR	628K
CISCO SAND	950	705.0	26.9	MONTAGUE CO. REGULAR	592K
JONES SAND	950	150.0	25.0	MONTAGUE CO. REGULAR	627K
950 FT CISCO	950	612.0	27.0	MONTAGUE CO. REGULAR	611K
JONES SAND	950	150.0	25.0	MONTAGUE CO. REGULAR	625K
CISCO SAND	1375	421.0	23.8	MONTAGUE CO. REGULAR	620K
HOLT SAND	1700	207.0	20.7	MONTAGUE CO. REGULAR	588K
HOLT SAND	1700	207.0	20.7	MONTAGUE CO. REGULAR	588K
ARITHMETIC AVERAGE	1048	275.1	24.7		
GEOMETRIC AVERAGE		223.9			
MEDIAN VALUE		180.0	25.0		
MODE		163.7	25.3		
IDEAL SPECIFIC FLOW RATE =	1.9 GPM/FT				
CANYON GROUP					
1900 FT. CANYON SAND	1800	479.0	24.6	MONTAGUE COUNTY REG.	A1069
ARITHMETIC AVERAGE	1800	479.0	24.6		
GEOMETRIC AVERAGE		479.0			
MEDIAN VALUE		479.0	24.6		
MODE		479.0	24.6		
IDEAL SPECIFIC FLOW RATE =	10.7 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS

MONTAGUE COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAWN GROUP					
800 FT STRAWN	800	85.0	20.0	MONTAGUE CO., REGULAR	606K
800 FT STRAWN	800	150.0	20.0	MONTAGUE CO., REGULAR	607K
800 FT STRAWN	800	85.0	20.0	MONTAGUE CO., REGULAR	608K
800 FT STRAWN	800	150.0	20.0	MONTAGUE CO., REGULAR	610K
840 FT STRAWN	840	150.0	20.0	MONTAGUE CO., REGULAR	609K
645 FT STRAWN	845	150.0	20.0	MONTAGUE CO., REGULAR	615K
925 FT STRAWN	925	80.0	20.0	MONTAGUE CO., REGULAR	616K
1600 FT STRAWN	1600	70.0	24.0	MONTAGUE CO., REGULAR	618K
1600 FT	1600	125.0	24.0	MONTAGUE CO., REGULAR	619K
CRINOIDAL	1700	60.0	23.0	SPANISH FORT	695K
DAVENPORT STRAWN	2400	240.0	21.5	MONTAGUE CO., REGULAR	605K
2850 FT STRAWN	2580	75.0	18.0	MONTAGUE CO., REGULAR	617K
STRAWN	3360	19.0	17.0	ALMA	149AG
4500 FT. (STRAWN)	4500	20.0	20.0	DODSON	A1270
4600 FT STRAWN	4600	50.0	20.0	ROGERS + ROGERS	672K
STRAWN	4610		22.0	DYEMOUND, SOUTH	153AG
STRAWN	4613	25.0	18.7	ROGERS AND ROGERS	A 671
4600 FT. (STRAWN)	4652	25.0	18.7	ROGERS + ROGERS	A0970
5200 FT STRAWN SAND	5200	50.0	13.0	HUNDLEY, EAST	441K
CADDO CONGLOMERATE	5685	5.0	12.0	EANES (CADDO)	A 569
CADDO CONGLOMERATE	5704	10.0	10.8	EANES (CADDO)	A 569
CADDO CONGLOMERATE	5708	10.0	10.8	EANES (CADDO)	A 569
ENGL STRAWN	5762	1.0	14.0	ENGL	374K
STRAWN	5800	25.0	14.5	ENGL	375K
CADDO	5800		14.0	EANES	111AE
CADDO	5855	5.0	12.0	EANES (CADDO)	A 569
CADDO CONGLOMERATE	5863	200.0	15.8	YOUNGER, W	A 769
CADDO	5908	10.0	10.8	EANES (CADDO)	A 569
CADDO	5933	15.0	15.0	FRUITLAND	140AF
CADDO LIME	5957	5.0	10.0	FRUITLAND, CADDO	A 869
CADDO LIME	5957	5.0	10.0	FRUITLAND (CADDO)	A 869
CADDO	6100		5.9	ARIES, WEST	128AI
CADDO	6100	14.0	6.2	ARIES	139AM
CADDO LIME	6112	9.5	10.5	RICHARDSON=MUELLER	176AM
CADDO B CONGLOMERATE	6200	4.7	14.4	CARAVAN	A0870
COTTON	6200	55.0	12.0	ENGL	373K
CADDO B	6207	86.0	13.4	CARAVAN	155AC
CADDO CONGLOMERATE	6275		13.0	MILAM,NW,	67AP
CADDO	6280	3.0	10.0	KENNEDY	547K
CONGLOMERATE, CADDO	6350	7.0	15.0	BOWIE, NORTHEAST	148AC
ARITHMETIC AVERAGE	4325	57.8	15.7		
GEOMETRIC AVERAGE		27.3			
MEDIAN VALUE		25.0	15.0		
MODE		63.3	19.5		
IDEAL SPECIFIC FLOW RATE =	4.6 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS

MONTAGUE COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
BEND GROUP					
CONGLOMERATE	5050		15.0	AN-SON	15K
UPPER CONGLOMERATE	5600	70.0	15.0	RITCHIE	179AM
2ND CONGLOMERATE	5664	250.0	19.0	RINGGOLD, EAST	177AM
CONGLOMERATE	5680		19.5	SEAY	190AJ
UPPER CONGLOMERATE	5780	126.0	15.6	ETTER	155AM
BEND CONGLOMERATE	5807	52.0	14.5	ETTER	154AM
5TH CONGLOMERATE	5830	150.0	14.0	RINGGOLD, EAST	178AM
UPPER CONGLOMERATE	5877	126.0	15.6	MC NABB	171AM
FIRST BEND CONG.	5900	1.0	14.0	HILDRETH	416K
CONGLOMERATE	5900			BOEDECKER, SOUTH	106AE
UPPER CONGLOMERATE	5910	5.0	10.5	SUNSET	175AD
FIRST BEND CONG.	5950	1.0	14.0	HILDRETH	411K
FIRST BEND CONG.	5950	1.0	14.0	HILDRETH	415K
CONGLOMERATE	6000		14.0	UNDERWOOD-RAY	183AM
NO. 2 CONGLOMERATE	6108	256.0	14.0	HILDRETH	A 869
FIRST BEND CONG.	6229	26.2	14.7	HILDRETH	409K
2ND CONGLOMERATE	6235	72.0	12.1	MINOR, WEST	172AM
BASAL CONGLOMERATE	6235	4.5	9.8	MINOR, WEST	173AM
BEND CONGLOMERATE	6330	250.0	13.0	HUNDLEY	439K
DAVIS CONGLOMERATE	6334	150.0	14.5	HILDRETH	161AM
BEND CONGLOMERATE	6335	17.0	11.2	QUEEN PEAK	175AM
BEND CONGLOMERATE	6625	28.0	14.0	DYEMOUND	252AL
BEND CONGLOMERATE	6700	162.0	25.5	DYEMOUND, SOUTH	181AJ
CONGLOMERATE	6825	162.0	25.5	DYE CREEK	180AJ
ARITHMETIC AVERAGE	6036	95.5	15.2		
GEOMETRIC AVERAGE		35.7			
MEDIAN VALUE		72.0	14.0		
MODE		201.5	13.7		
IDEAL SPECIFIC FLOW RATE =	25.2 GPM/FT				
MISSISSIPPIAN SYSTEM UNDIFFERENTIATED					
MISSISSIPPIAN	6686		10.0	EANES, NORTHWEST	158AC
MISSISSIPPIAN	6808		13.1	BOWIE	128AR
ARITHMETIC AVERAGE	6747		11.6		
GEOMETRIC AVERAGE					
MEDIAN VALUE			13.1		
MODE			10.2		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				
OROVUCIAN MIDDLE SERIES UNDIFFERENTIATED					
VIOLA	6295		2.0	EANES	112AE

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MONTAGUE COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
ORDOVICIAN MIDDLE SERIES UNDIFFERENTIATED					
VIOLA LIME	6700	5.0	10.0	DIMOCK	157AC
VIOLA LIMESTONE	6750	4.0	13.0	BOEDECKER	105AE
VIOLA	6750	15.0	10.0	BRITE	165AD
VIOLA	6900	3.5	7.5	BOWIE, NORTHEAST	149AC
ARITHMETIC AVERAGE	6679	6.9	8.5		
GEOMETRIC AVERAGE		5.7			
MEDIAN VALUE		5.0	10.0		
MODE		3.8	10.3		
IDEAL SPECIFIC FLOW RATE =	.5 GPM/FT				
ELLENBURGER GROUP					
ELLENBURGER	6658		13.0	M P S	119AE
6900 ELLENBURGER	6957	160.0	7.0	NOCONA, SOUTH	137AR
ELLENBURGER	7223		13.0	MUELLER	136AR
7400 ELLENBURGER	7400	20.0	15.0	GRONON	69AQ
ARITHMETIC AVERAGE	7059	90.0	12.0		
GEOMETRIC AVERAGE		56.6			
MEDIAN VALUE		160.0	13.0		
MODE		22.3	13.0		
IDEAL SPECIFIC FLOW RATE =	3.4 GPM/FT				

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MONTGOMERY COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CLAIBORNE GROUP					
CONROE	4893	125.0	27.0	CONROE	A 670
COCKFIELD 1 ST MAIN	5000	1000.0	29.0	CONROE TOWNSITE	20C
UPPER COCKFIELD	5050	1055.0	32.0	CONROE UPPER COKFLD	19C
1ST MAIN CONROE SAND	5125	750.0	32.0	CONROE	A0870
FIRST MAIN CONROE	5150	1000.0	32.0	CONROE	17C
FIRST MAIN COCKFIELD	5150	750.0	32.0	CONROE	18C
COCKFIELD	5383	775.0	32.0	CONROE TOWNSITE	47AL
COCKFIELD	5383	410.0	32.0	CONROE TOWNSITE	52AM
COCKFIELD	5711	230.0	28.0	BENDER COCKFIELD	8C
COCKFIELD	5810	489.0	32.3	BENDER	26AL
COCKFIELD	5811	255.0	33.5	BENDER	51AM
Y-2 RESERVOIR	5960	400.0	32.0	BENDER	15AE
YEGUA Y-5 SAND	5978	1200.0	24.0	BENDER	6AN
YEGUA Y-5	5978	1200.0	30.0	BENDER (YEGUA Y-5)	9C
YEGUA Y-5 SAND	6075	905.0	32.0	BENDER	27AL
ARITHMETIC AVERAGE	5497	702.9	30.7		
GEOMETRIC AVERAGE		588.6			
MEDIAN VALUE		750.0	32.0		
MODE		1078.5	32.1		
IDEAL SPECIFIC FLOW RATE =	157.6 GPM/FT				

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MOTLEY COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PERMO-PENN.	4100		8.5	ROARING SPRINGS, W.	140AH
PERMO PENNSYLVANIAN	4450	39.0	9.9	ROARING SPRINGS	159AJ
PERMO-PENN REEF	4160	67.0	7.8	ROARING SPRINGS	A 369
ARITHMETIC AVERAGE	4237	53.0	8.7		
GEOMETRIC AVERAGE		51.1			
MEDIAN VALUE		67.0	8.5		
MODE		40.1	7.9		
IDEAL SPECIFIC FLOW RATE =	2.5 GPM/FT				

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NACOGDOCHES COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
TRINITY GROUP					
RODESSA	674.0	200.0	19.0	TRAWICK (RODESSA)	A 769
ARITHMETIC AVERAGE	674.0	200.0	19.0		
GEOMETRIC AVERAGE		200.0			
MEDIAN VALUE		200.0	19.0		
MODE		200.0	19.0		
IDEAL SPECIFIC FLOW RATE =	39.4 GPM/FT				

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SALINE WATER RESOURCES SURVEY

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NAVARRO COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUEYDAN-CATAHOULA GROUP					
6800 FT. SAND	6832	329.0	18.6	REKA	175AL
ARITHMETIC AVERAGE	6832	329.0	18.6		
GEOMETRIC AVERAGE		329.0			
MEDIAN VALUE		329.0	18.6		
MODE		329.0	18.6		
IDEAL SPECIFIC FLOW RATE =	79.7 GPM/FT				
NAVARRO GROUP					
NACATOOH	22	1200.0	38.0	CORSICANA (SHALLOW)	3E
NACATOOH	730	925.0	30.0	CORSICANA (SHALLOW)	5E
WOLFE CITY SAND	750	102.0	7.0	CORSICANA SHALLOW	A0471
NACATOOH	760	2695.0	33.7	CORSICANA (SHALLOW)	4E
WOLFE CITY	807	40.0	30.0	CORSICANA (SHALLOW)	A 569
NACATOOH MILDRED	830	400.0	32.0	CORSICANA SHALLOW	A1269
NACATOOH	850	800.0	33.0	CORSICANA (SHALLOW)	8E
NACATOOH	875	1000.0	35.0	CORSICANA (SHALLOW)	7E
NACATOOH SAND	890	1244.0	32.0	CORSICANA	A 571
NACATOOH	975	1700.0	39.2	CORSICANA SHALLOW	A1169
WOLFE CITY	1000	40.0	28.0	CORSICANA SHALLOW	A 769
SHALLOW	1090	200.0	31.0	CORSICANA	A 671
CORSICANA SHALLOW	1200	20.0	25.0	CORSICANA (SHALLOW)	A 769
PECAN GAP	1271	100.0	20.0	CORSICANA (SHALLOW)	A 370
ARITHMETIC AVERAGE	861	747.6	29.6		
GEOMETRIC AVERAGE		322.6			
MEDIAN VALUE		800.0	32.0		
MODE		814.9	31.2		
IDEAL SPECIFIC FLOW RATE =	8.2 GPM/FT				
WOODBINE GROUP					
WOODBINE	3376	505.0	26.4	KERENS, SOUTH	67AN
WOODBINE	3400	505.0	26.4	KERENS, SOUTH	173AL
ARITHMETIC AVERAGE	3388	505.0	26.4		
GEOMETRIC AVERAGE		505.0			
MEDIAN VALUE		505.0	26.4		
MODE		505.0	26.4		
IDEAL SPECIFIC FLOW RATE =	36.1 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS

NAVARRO COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
SLIGO (PETTET) GROUP					
6800 FT. SAND	6832	945.0	20.0	REKA	72AM
ARITHMETIC AVERAGE	6832	945.0	20.0		
GEOMETRIC AVERAGE		945.0			
MEDIAN VALUE		945.0	20.0		
MODE		945.0	20.0		
IDEAL SPECIFIC FLOW RATE =	251.8 GPM/FT				

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NEWTON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUEYDAN-CATAHOULA GROUP					
HACKBERRY SAND	7200	2642.0	32.1	GIST	55AL
NODOSARIA	7203	2360.0	31.7	CAMPTOWN	29AL
MORGAN SAND	7517	1100.0	31.6	HARTBURG	A 769
ARITHMETIC AVERAGE	7307	2034.0	31.8		
GEOMETRIC AVERAGE		1900.0			
MEDIAN VALUE		2360.0	31.7		
MODE		1150.4	31.6		
IDEAL SPECIFIC FLOW RATE =	228.0 GPM/FT				
CLAIBORNE GROUP					
QUINN SAND	7183	529.0	29.4	NEWTON, SOUTH	28AI
KURTH SAND	7297	476.0	31.7	NEWTON, NORTH	27AI
COCKFIELD (II)	7354	330.0	26.0	SABINE TRAM	23AJ
KURTH SAND	7554	1123.0	33.6	NEWTON, SOUTH	29AI
COCKFIELD	7700	325.0	26.0	SABINE TRAM	32AR
7736 FT. YEGUA	7736	86.0	24.1	SABINE TRAM, WEST	37AD
YEGUA	7793	344.0	29.0	LAYDEN'S CREEK	38AI
ARITHMETIC AVERAGE	7517	459.0	28.5		
GEOMETRIC AVERAGE		367.0			
MEDIAN VALUE		344.0	29.0		
MODE		356.3	25.5		
IDEAL SPECIFIC FLOW RATE =	73.7 GPM/FT				
WILCOX GROUP					
1 ST WILCOX WILCOX A	9397	50.0	18.5	BLUE MARSH WCOX 9400	12C
10260 FT WILCOX	10200	39.0	20.0	QUICKSAND CREEK	65C
10400 FT WILCOX	10313	39.0	20.0	QUICKSAND CREEK	66C
ARITHMETIC AVERAGE	9970	42.7	19.5		
GEOMETRIC AVERAGE		42.4			
MEDIAN VALUE		39.0	20.0		
MODE		39.5	19.9		
IDEAL SPECIFIC FLOW RATE =	14.0 GPM/FT				

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NOLAN COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOLFCAMP SERIES UNDIFFERENTIATED					
TANNEHILL SAND	3558	44.0	18.0	BECKHAM HYLTON, NORTHWEST	A1270 73AF
FRY SAND	5330	90.0	12.5		
ARITHMETIC AVERAGE	4444	67.0	15.2		
GEOMETRIC AVERAGE		62.9			
MEDIAN VALUE		90.0	18.0		
MODE		45.6	12.8		
IDEAL SPECIFIC FLOW RATE =	3.4 GPM/FT				
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENN REEF	6200	10.0	7.2	ROWAN AND HOPE ROWAN - HOPE ROWAN-HOPE PENN REEF	236G 195AL A 269
PENNSYLVANIAN REEF	6224	4.6	7.6		
PENN REEF	6200	10.0	7.2		
ARITHMETIC AVERAGE	6208	8.2	7.3		
GEOMETRIC AVERAGE		7.7			
MEDIAN VALUE		10.0	7.2		
MODE		9.6	7.2		
IDEAL SPECIFIC FLOW RATE =	1.2 GPM/FT				
CISCO GROUP					
CISCO REEF	3680	85.0	16.0	J.A.M. GROUP GROUP (4000) GROUP (4000) GROUP (4000) GROUP (4000)	66AR 106AJ 138G A 569 A 569 A 669
4000 FT. SAND	4000	300.0	22.0		
CISCO SAND	4000	38.0	17.7		
CISCO	4004	38.0	17.7		
CISCO	4005	27.0	18.0		
CISCO	4105	27.0	18.0		
ARITHMETIC AVERAGE	3966	85.8	18.2		
GEOMETRIC AVERAGE		54.7			
MEDIAN VALUE		38.0	18.0		
MODE		30.7	17.5		
IDEAL SPECIFIC FLOW RATE =	1.9 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CANYON GROUP					
CANYON SAND	5050	20.3	11.7	SOUTH LAKE TRAMMEL	A1170
CANYON	5150	12.0	13.0	LAKE TRAMMEL	112AN
CANYON SAND	5200	7.0	15.0	LAKE TRAMMEL, WEST	180G
PALO PINTO	5700	5.0	8.0	EV8	60AC
CANYON SAND	5900	2.0	8.0	ROWAN AND HOPE NW	235G
CANYON	6232		18.0	NENA LUCIA, WESR	63AC
CANYON REEF	4500	84.0	10.8	HYLTON, NORTHWEST	191AL
CANYON REEF	4512	83.7	10.8	HYLTON NW	A 469
ARITHMETIC AVERAGE	5280	30.6	11.9		
GEOMETRIC AVERAGE		14.3			
MEDIAN VALUE		12.0	11.7		
MODE		70.9	8.5		
IDEAL SPECIFIC FLOW RATE =	6.9 GPM/FT				
STRAWN GROUP					
FRY SAND	5330	90.0	12.5	HYLTON	A1169
GARDNER	5360		14.0	WATTS, SOUTH	49A0
GARDNER SAND	5430	10.0	12.0	B. A.	56AI
GARDNER LIME	5432	50.0	12.0	WATTS	200AL
STRAWN	5450	59.0	9.0	HYLTON, NORTHWEST	108AN
CADDO	5880	10.0	7.7	DORA, NORTH	82AM
ODOM	6004	3.0	5.8	DORA, NORTH	49AS
ODOM	6026	3.4	3.2	DORA, NORTHWEST	62AE
STRAWN LIME	6085		11.3	GROUP WEST	33AQ
STRAWN SAND	6735	3.0	13.9	ROSCOE (STRAWN)	232G
ODOM LIME	6930	6.5	5.8	NENA LUCIA	72AK
STRAWN REEF	6950	5.5	4.5	NENA LUCIA	73AK
STRAWN REEF	6180	15.0	5.4	ROWAN AND HOPE	120AN
STRAWN REEF	6200	14.5	5.0	ROWAN AND HOPE	64AI
STRAWN REEF	6750	6.7	7.3	VENAMADRE	199AL
STRAWN REEF	6843	7.2	7.4	NENA LUCIA	A 669
STRAWN REEF	6884	7.0	7.4	NENA LUCIA	203G
STRAWN REEF	6884	7.0	6.7	NENA LUCIA	204G
STRAWN REEF	6887	7.1	6.7	NENA LUCIA	A0471
STRAWN REEF	6910	7.1	6.7	NENA LUCIA	A 270
STRAWN REEF	6956	20.0	10.0	NENA LUCIA, WESR	62AC
ARITHMETIC AVERAGE	6291	17.5	8.3		
GEOMETRIC AVERAGE		10.2			
MEDIAN VALUE		7.1	7.4		
MODE		7.1	7.0		
IDEAL SPECIFIC FLOW RATE =	.9 GPM/FT				

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NOLAN COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
ELLENBURGER GROUP					
WLLWNVUEGER	6595	80.0	5.0	BLACKWELL, NORTH	100AN
ELLENBURGER	6758	12.0	10.0	WHITE HAT	A 670
ARITHMETIC AVERAGE	6676	46.0	7.5		
GEOMETRIC AVERAGE		31.0			
MEDIAN VALUE		80.0	10.0		
MODE		13.3	5.3		
IDEAL SPECIFIC FLOW RATE =	1.8 GPM/FT				
CAMBRIAN SYSTEM UNDIFFERENTIATED					
CAMBRIAN SAND	5967	142.0	13.9	HYLTON, NORTHWEST	190AL
CAMBRIAN	6000	581.0	14.4	DORA, NORTH	83AM
CAMBRIAN	6100	133.0	10.2	E. A.	84AM
CAMBRIAN	6368	35.0	6.7	DORA, NORTHWEST	65AK
ARITHMETIC AVERAGE	6109	272.7	11.3		
GEOMETRIC AVERAGE		174.4			
MEDIAN VALUE		342.0	13.9		
MODE		40.7	14.0		
IDEAL SPECIFIC FLOW RATE =	4.8 GPM/FT				

T E X A S W A T E R D E V E L O P M E N T B O A R D

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SALINE WATER RESOURCES SURVEY

OF THE

STATE OF TEXAS

AQUIFER ROCK PROPERTIES

NUECES COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
FLEMING GROUP					
SECOND OAKVILLE	3074	500.0	32.0	RAMADA	33AJ
ARITHMETIC AVERAGE	3074	500.0	32.0		
GEOMETRIC AVERAGE		500.0			
MEDIAN VALUE		500.0	32.0		
MODE		500.0	32.0		
IDEAL SPECIFIC FLOW RATE =	26.1 GPM/FT				
GUEYDAN-CATAHOULA GROUP					
4000 FT. SAND	4000	182.0	26.8	NUECES BAY, SOUTH	54AD
SANDERS	4000	929.0	30.8	CODY	32AK
4000 FT. SAND	4000	811.0	31.7	CODY	36AH
GALLAGHER	4200	692.0	31.2	CODY	33AK
UPPER OODY	4230	671.0	30.9	CODY	34AK
LOWER OODY	4240	1382.0	31.9	CODY	35AK
CATAHOULA	4540	1000.0	33.0	LONDON, SOUTHEAST	65AM
DAUGHTY SAND	4500	1698.0	31.8	LONDON GIN	120AL
FRIO	4900	118.0	24.2	LONDON S.W.	A 269
4900 FT SAND	4916	118.0	24.2	LONDON, SW	32AP
5000 FT. (FRIO)	5000	175.0	28.0	CLARA DRISCOLL SOUTH	A0470
5000 FT. SAND	5000	700.0	26.0	RIVERSIDE, EAST	21AN
5000 FT. SAND	5000	700.0	26.0	RIVERSIDE, EAST	147AL
WEINER	5100	700.0	29.0	PETRONILLA CREEK, S	62AD
	5200	574.0	28.0	LUBY	25AO
FRIO (BANQUETTE)	5230	125.0	25.0	ROBSTOWN, NORTH	191D
5250 FT SAND	5250	500.0	28.0	LUBY	39AS
UPPER KING SAND	5450	292.0	25.4	BAILEY (5450)	20D
5590 FT SAND	5590	156.0	26.0	MINNIE BOCK NORTH	20AQ
5600 FT SAND	5600		24.0	ARNOLD DAVID	35AF
5600 FT SAND	5600		30.0	ROBSTOWN, EAST	190D
5600 FT. SAND	5600	460.0	29.9	ROBSTOWN SOUTH	149AL
5600 FT SAND	5620	45.0	20.4	ARNOLD DAVID 5600 SD	18D
5600 FT. SAND (FRIO)	5645	500.0	30.0	ROBSTOWN E.	A 569
ARNOLD DAVID 5600 SD	5666		24.0	ARNOLD DAVID 5600 SD	17D
5600 FT SAND	5666		24.0	ARNOLD DAVID 5600 SD	19D
G SAND	5680	900.0	25.0	LUBY	125AL
5800 FT. SAND	5800		25.0	STRATTON	49AG
5800 FT. SAND	5800	3000.0	30.0	ROBSTOWN	148AL

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NUECES COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUEYDAN-CATAHOULA GROUP					
EICHELBERGER	6056	83.0	26.8	ARNOLD DAVID	30AE
CHAPMAN SAND	6090	917.0	29.6	ARNOLD DAVID	36AF
6100 FT. SAND	6100	220.0	27.4	MINNIE BOCK, NE	42AF
BERTRAM SAND	6275	220.0	21.0	STRATTON	217D
L-12 RESERVOIR	6303	277.0	26.8	STRATTON	54AG
BERTRAM RESERVOIR	6350	220.0	21.0	STRATTON	55AG
E SAND	6400	593.0	25.0	LUBY	124AL
WARDNER SAND	6470	250.0	20.0	STRATTON	218D
BERTRAM SAND	6500	21.4	21.4	STRATTON	48AG
6500 FT	6500	420.0	27.8	BALDWIN,NW	30AP
BERTRAM	6500	200.0	21.1	STRATTON	224D
6500 FT FRIO	6504	97.7	26.0	RIVERSIDE, WEST	42AS
WARDNER	6550	200.0	21.0	STRATTON	225D
WARDNER	6550	200.0	21.0	STRATTON	226D
SELLERS 4 SAND	6575	404.0	23.7	STRATTON	53AG
OCKER SAND	6602	1286.0	32.6	RIVERSIDE, SOUTH	45AG
WARDNER	6604	220.0	21.0	STRATTON	52AG
6700 FT. SAND	6700	27.0	27.0	ARNOLD-DAVID	48AD
J-1 SAND	6756	200.0	27.0	FLOUR BLUFF, EAST	97AL
G-1 SAND	6769	350.0	32.0	FLOUR BLUFF, EAST	96AL
WEBB	6777	250.0	26.0	FLOUR BLUFF, EAST	100AL
DUNCAN	6800	500.0	24.0	FLOUR BLUFF, EAST	95AL
PHILLIPS	6896	26.0	26.0	FLOUR BLUFF, EAST	99AL
6900 FT. SAND (FRIO)	6900	947.0	24.0	PETRONILLA	A127D
6900 FT	6900	947.0	24.0	PETRONILLA	34AP
6900 FT. (FRIO)	6910	947.0	24.0	PETRONILLA	A047D
LOWER K	6943	71.0	25.0	LUBY	24A0
6950 FT. SAND	6950	1313.0	30.9	MINNIE BOCK, NE	43AF
7062 FT. SAND	7062	160.0	30.0	MINNIE BOCK, NE	44AF
SAND 9	7250	213.0	26.0	MUSTANG ISLAND	160D
9 SAND	7250	200.0	25.0	MUSTANG ISLAND	132AL
SAND 7-A	7300	500.0	30.0	MUSTANG ISLAND	159D
UPPER PFLEUGER	7315	750.0	28.0	BIG CAESAR	12A0
7-A SAND	7320	804.0	32.6	MUSTANG ISLAND	130AL
R SAND	7345	435.0	26.8	MUSTANG ISLAND	131AL
ZONE-9	7350	200.0	26.0	RED FISH BAY	63AD
U PFLEUGER	7384	300.0	30.5	BIG CAESAR, E (SEG.C)	21A0
FRIO SAND	7500	1075.0	25.0	CALALLEN, WEST	28AK
SAND 6	7550	190.0	25.0	MUSTANG ISLAND	158D
7800 FT. SAND	7800	949.0	28.9	BALDWIN	30AH
ZONE 5A	7850	237.0	25.7	RED FISH BAY	181D
11 SAND	7917	222.0	22.5	MUSTANG ISLAND	133AL
ZONE 5-B	7960	483.0	31.7	RED FISH BAY	18AN
5-B ZONE (FRIO)	7960	483.0	31.7	RED FISH BAY	68AM
ZONE 5-B	7960	483.0	31.7	RED FISH BAY	142AL
ZONE UJ	8200	250.0	24.0	RED FISH BAY ZONE 14	143AL
ZONE UJ	8276	611.0	30.6	RED FISH BAY ZONE 15	144AL
ZONE 15	8310	611.0	30.6	RED FISH BAY	19AN

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GUEYDAN-CATAHOULA GROUP					
ZONE F-15-A	8370	175.0	26.0	RED FISH BAY	40AS
ZONE-17	8500	550.0	26.0	RED FISH BAY	64AD
J-55 (PRIO)	9491	130.0	29.0	EAST FLOUR BLUFF	A 569
ARITHMETIC AVERAGE	6381	524.6	26.8		
GEOMETRIC AVERAGE		377.6			
MEDIAN VALUE		435.0	26.0		
MODE		200.0	24.6		
IDEAL SPECIFIC FLOW RATE =	34.1 GPM/FT				

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OCHILTREE COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
PLEASANTON GROUP					
CLEVELAND	6800	.5	8.5	PERYTON	157AF
UPPER CLEVELAND SAND	6950	.4	13.7	ELLIS HANCH	18AB
CLEVELAND	7293	10.0	14.4	DUTCHER	177AE
CLEVELAND	7500		17.0	HORIZON	170AH
ARITHMETIC AVERAGE	7136	3.6	13.4		
GEOMETRIC AVERAGE		1.3			
MEDIAN VALUE		.5	14.4		
MODE		.5	14.0		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
DES MOINES SERIES UNDIFFERENTIATED					
UPPER DES MOINES	6500		12.0	SHARE	171AG
DES MOINES	6716	.8	5.3	FARNSWORTH-CONNER	140AI
DES MOINES	6990		12.5	CREST	163AS
ARITHMETIC AVERAGE	6735	.8	9.9		
GEOMETRIC AVERAGE		.8			
MEDIAN VALUE		.8	12.0		
MODE		.8	12.1		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
MARMATON GROUP					
MARMATON	6534	.3	8.0	FARNSWORTH, NORTH	144AR
MARMATON	6538		10.0	SPICER	183AD
MARMATON	6767	1000.0	7.0	PERRYTON W. MARMATON	A 869
MARMATON	6850		12.0	PERRYTON W. MARMATON	A 269
MARMATON	6980	.1	2.5	ALLEN-PARKER	81AO
MARMATON	6980		4.5	ALLEN-PARKER	75AO
OSWEGO	6700	17.0	3.7	FARNSWORTH	193AJ
OSWEGO	7030		9.0	HORIZON	181AD
OSWEGO	7030		9.0	HORIZON	155AF
ARITHMETIC AVERAGE	6823	254.3	7.3		
GEOMETRIC AVERAGE		4.8			
MEDIAN VALUE		17.0	8.0		
MODE		.7	8.7		
IDEAL SPECIFIC FLOW RATE =	.0 GPM/FT				

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OCHILTREE COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
ATOKA GROUP UNDIFFERENTIATED					
ATOKA	7700	3.0	13.0	AYWOOD	169AJ
ATOKA SAND	8835	19.0	13.2	PAUL-HARBAUGH	194AJ
ARITHMETIC AVERAGE	8267	11.0	13.1		
GEOMETRIC AVERAGE		7.5			
MEDIAN VALUE		19.0	13.2		
MODE		3.3	13.0		
IDEAL SPECIFIC FLOW RATE =	.6 GPM/FT				
MORROW SERIES UNDIFFERENTIATED					
SECTION UPPER MORROW	5050	20.6	15.4	R.H.F.	110L
UPPER MORROW	7300	13.0	16.5	SHADE	22AB
GEORGE MORROW	7510	65.0	16.6	PERRYTON, NORTH	169AG
MORROW	7600	69.0	13.5	SHIPS	195AJ
UPPER MORROW	7700	26.0	14.1	FARNSWORTH	137AK
MORROW, UPPER A	7740	5.0	10.7	DUDE WILSON	180AD
7750 FT. U. MORROW	7750		13.0	WAKA, WEST	182AE
UPPER MORROW	7810	69.0	13.5	WAKA, WEST	198AJ
UPPER MORROW	7889	48.2	14.5	FARNSWORTH	2L
MORROW, UPPER	7889	48.2	14.5	FARNSWORTH	A0970
UPPER MORROW	7900	48.2	14.5	FARNSWORTH	A 869
UPPER MORROW	7900	48.2	14.5	FARNSWORTH	A1269
LOWER MORROW	7941	9.0	11.0	PERRYTON, WEST	146AR
UPPER MORROW	7950	45.0	13.7	R. H. F.	20AB
UPPER MORROW SAND	8000	68.0	14.2	FARNSWORTH	136AK
MORROW SAND	8050	50.0	15.2	R. H. F.	143AI
MORROW SAND	8100	20.0	10.0	PERRYTON, WEST	142AI
8100 FT MORROW SAND	8100	23.0	13.0	PERRYTON, WEST	109L
UPPER MORROW	8100	14.5	12.0	WEST PERRYTON	21AB
UPPER MORROW	8124	26.2	14.0	FARNSWORTH	19AB
LOWER MORROW	8308	30.0	12.0	SMITH-PERRYTON	179AC
UPPER MORROW	9520		13.7	PERRYTON	168AG
ARITHMETIC AVERAGE	7829	37.3	13.6		
GEOMETRIC AVERAGE		30.3			
MEDIAN VALUE		45.0	14.0		
MODE		46.9	14.3		
IDEAL SPECIFIC FLOW RATE =	8.2 GPM/FT				
SIMPSON GROUP					
OIL CREEK	8070	20.0	14.0	BARLOW	176AE
ARITHMETIC AVERAGE	8070	20.0	14.0		
GEOMETRIC AVERAGE		20.0			
MEDIAN VALUE		20.0	14.0		
MODE		20.0	14.0		
IDEAL SPECIFIC FLOW RATE =	4.0 GPM/FT				

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ORANGE COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUEYDAN-CATAHOULA GROUP					
MARGINULINA	5870	2000.0	33.0	PORT NACHES	64C
A-ZONE	7800	1078.0	31.5	PHOENIX LAKE	21AK
B-ZONE	7981	650.0	32.7	PHOENIX LAKE	22AK
8100 FT. SAND	8100	4650.0	37.1	ROSE CITY	67AL
E-ZONE	8500	1460.0	31.8	PHOENIX LAKE	23AK
ARITHMETIC AVERAGE	7650	1967.6	33.2		
GEOMETRIC AVERAGE		1569.2			
MEDIAN VALUE		1460.0	32.7		
MODE		720.7	31.8		
IDEAL SPECIFIC FLOW RATE =	155.0 GPM/FT				

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PALO PINTO COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAWN GROUP					
STRAWN	745	49.9	16.5	PALO PINTO CO. REG	A 770
STRAWN	1506	41.0	16.5	PALO PINTO CO. REG	A 671
ALLEN-RITCHIE	1700	300.0	20.0	PALO PINTO CO. REG.	218G
STRAWN	1825		20.0	FOX HOLLOW	A 369
STRAWN	1830	40.0	17.0	BELDING	81AM
STRAWN	1850	45.0	20.0	BELDING (STRAWN)	10G
ARITHMETIC AVERAGE	1576	95.2	18.3		
GEOMETRIC AVERAGE		64.4			
MEDIAN VALUE		45.0	20.0		
MODE		44.5	19.8		
IDEAL SPECIFIC FLOW RATE =	1.0 GPM/FT				
BEND GROUP					
MARBLE FALLS	3500		14.0	STRAWN, NORTHWEST	94AG
ARITHMETIC AVERAGE	3500		14.0		
GEOMETRIC AVERAGE			14.0		
MEDIAN VALUE			14.0		
MODE			14.0		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				

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PANOLA COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
TRINITY GROUP					
JENKINS SAND	3683	100.0	22.0	BETHANY	67AG
JENKINS	3696	174.0	22.0	BETHANY, NORTHEAST	A0470
JENKINS SAND	3700	300.0	21.0	BETHANY, NORTHEAST	68AG
38501 MOORINGSPOUT	3850	28.0	17.7	BETHANY, NE 3850 LIME	4F
3850 FT. LIME	3850	44.0	18.2	BETHANY, NORTHEAST	92AJ
3850 FT. LIME GLNRSE	3855	28.2	17.7	BETHANY NORTHEAST	A 869
3850 FT. LIME GLNRSE	3855	28.2	17.7	BETHANY NORTHEAST	A 569
3850 FT. LIME GLNHS	3855	28.2	17.7	BETHANY, NORTHEAST	A 270
ARITHMETIC AVERAGE	3793	91.8	19.2		
GEOMETRIC AVERAGE		59.5			
MEDIAN VALUE		48.0	18.2		
MODE		31.7	17.9		
IDEAL SPECIFIC FLOW RATE =	2.5 GPM/FT				
SLIGO (PETTET) GROUP					
UPPER PETTIT	6229	150.0		CARTHAGE, SOUTH	72AH
LOWER PETTET	6794	26.0	18.0	TATUM	55F
LOWER PETTIT	6794	27.0	18.2	TATUM	77AH
ARITHMETIC AVERAGE	6606	67.7	18.1		
GEOMETRIC AVERAGE		47.2			
MEDIAN VALUE		27.0	18.2		
MODE		28.5	18.0		
IDEAL SPECIFIC FLOW RATE =	6.7 GPM/FT				
HOSSTON (TRAVIS PEAK) GROUP					
ALEXANDER SAND	6074	70.0	16.3	WASKOM	79AD
TRAVIS PEAK	6350	18.0	37.4	CARTHAGE	57AK
TRAVIS PEAK	6400		13.2	CARTHAGE	58AK
ARITHMETIC AVERAGE	6275	43.0	22.3		
GEOMETRIC AVERAGE		33.5			
MEDIAN VALUE		70.0	16.3		
MODE		17.3	14.4		
IDEAL SPECIFIC FLOW RATE =	3.7 GPM/FT				

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PECOS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
TRINITY GROUP					
TOBORG SAND	350		33.0	TOBORG	490I
TOBORG SAND	410	200.0	30.0	TOBORG	A 469
TOBORG	440	2.8	21.0	TOBORG	A 669
TOBORG SAND	450	200.0	30.0	TOBORG	488I
TOBORG SAND	465	200.0	30.0	TOBORG	A 869
TOBORG SAND	605	200.0	30.0	TOBORG	A1269
TOBORG SAND	623	200.0	30.0	TOBORG	A 370
TOBORG SAND	2000	2800.0	21.0	TOBORG	487I
TOBORG SAND	2000	2800.0	21.0	TOBORG	487I
TOBORG SAND	2000	2800.0	21.0	TOBORG	489I
TOBORG SAND	2000		20.0	TOBORG	491I
ARITHMETIC AVERAGE	1031	1044.8	26.1		
GEOMETRIC AVERAGE		300.0			
MEDIAN VALUE		200.0	30.0		
MODE		264.6	20.7		
IDEAL SPECIFIC FLOW RATE =	2.7 GPM/FT				
WHITEHORSE GROUP					
O'BRIEN B SAND	2682		22.6	LEON VALLEY EAST	A 369
SMITH SAND	965	53.9	22.8	YATES (SMITH SAND)	587I
SMITH SAND	1000	28.0	19.0	YATES (SMITH SAND)	586I
YATES SAND	1400	50.0	20.7	PECOS VALLEY	413I
YATES SAND	1500	20.0	19.7	PECOS VALLEY	403I
YATES SAND	1500	24.0	20.0	PECOS VALLEY	404I
YATES	1500	3.0	19.5	PECOS VALLEY	408I
YATES	1600	29.0	18.0	PECOS VALLEY	400I
YATES	1600	200.0	27.0	PECOS VALLEY	401I
YATES	1600	100.0	24.0	PECOS VALLEY	412I
YATES	1625	30.0	20.0	PECOS VALLEY SEC.34	405I
YATES	1625	30.0	20.0	PECOS VALLEY	411I
YATES	1658	60.0	19.0	PECOS VALLEY	A 669
YATES	1800	25.0	19.0	PECOS VALLEY	402I
SMITH SAND	1850	500.0	17.0	YATES (SMITH SAND)	589I
YATES	1850	30.0	20.0	PECOS VALLEY	407I
YATES	2225	9.0	19.9	NETTERVILLE	389I
YATES	2300	9.0	19.9	NETTERVILLE	A 269
YATES	2400	7.0	19.0	NETTERVILLE	387I

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WHITEHORSE GROUP					
YATES	2790	24.0	14.0	FORT STOCKTON	117I
YATES SAND	2800	50.0	14.0	FORT STOCKTON	A1270
YATES	2800	30.0	15.0	FORT STOCKTON	123I
YATES	2810	50.0	14.0	FORT STOCKTON	A1269
YATES	2900	50.0	14.0	FORT STOCKTON	116I
YATES	2900	20.0	20.0	FORT STOCKTON	118I
YATES	2900	31.0	18.0	FORT STOCKTON	119I
YATES	2900	31.0	18.0	FORT STOCKTON	120I
YATES SAND	2902	43.0	17.0	FORT STOCKTON	A 67I
YATES	2992	43.0	17.0	FT STOCKTON S. UNIT	A 17I
YATES	3050	47.0	23.0	PECOS VALLEY	406I
LOWER YATES	3300	35.0	21.0	FORT STOCKTON	89AC
QUEEN SAND	900	40.0	18.0	WALKER	506I
QUEEN SAND	1000	50.0	21.0	WHITE,BAKER	584I
QUEEN AND GRAYBURG	1400	27.0	20.0	TAYLOR-LINK	483I
QUEEN SAND	1425	31.0	18.0	LEHN-APCO (QUEEN)	329I
QUEEN	1549	75.0	21.5	LEHN-APCO (1600)	331I
QUEEN SAND	1600	25.0	18.5	LEHN-APCO (1600)	330I
QUEEN	1650	24.0	20.0	WALKER	A 269
QUEEN SAND	1700		16.0	MILLARD	116AC
QUEEN SAND	1800	35.0	19.8	FROMME	115I
QUEEN SAND	1800	124.0	19.0	SHEARER	443I
QUEEN	1800	124.0	19.0	SHEARER	444I
QUEEN	1825	10.0	17.0	PECOS-SHEARER	416I
QUEEN	1828	10.0	17.0	PECOS SHEARER	A 369
QUEEN SAND	1900	10.0	19.0	LEHN-APCO,NORTH-1600	332I
QUEEN SAND	1930	10.0	15.4	LEHN APCO 1600 FT.NO	A1069
QUEEN SAND	1940	70.0	17.0	MASTEKSON	349I
QUEEN	1950	10.0	15.5	LEHN-APCO,NORTH-1600	333I
QUEEN	1950	10.0	19.0	MALICKY	346I
QUEENS	1966	80.0	27.0	WALKER	505I
QUEEN SAND	2000	100.0	20.0	WALKER	503I
QUEEN	2050	10.0	20.3	MALICKY-QUEEN	A 269
QUEEN	2070	8.0	18.5	MALICKY	A 369
QUEEN	2110	15.0	15.0	PRIEST AND BEAVERS	A 469
QUEEN SAND	2120		17.0	WALKER	504I
QUEEN SAND	2180	22.5	14.5	PRIEST AND BEAVERS	114AI
QUEEN	2180	22.0	14.6	PRIEST - BEAVERS	51AA
QUEEN	2422	20.0	13.0	HINYARD	25AA
GRAYBURG	1350		12.0	CHARLES	18I
GRAYBURG	2238	10.0	11.0	ABELL, SOUTH	93AF
ARITHMETIC AVERAGE	2006	47.0	18.4		
GEOMETRIC AVERAGE		29.1			
MEDIAN VALUE		30.0	19.0		
MODE		31.0	18.2		
IDEAL SPECIFIC FLOW RATE =		.7 GPM/FT			

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PECOS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
DELAWARE MOUNTAIN GROUP					
DELAWARE SAND	4786		16.0	COYANOSA	8AA
DELAWARE SAND	4793	3.2	14.8	COYANOSA	103AF
DELAWARE	4809		20.0	COYANOSA, NORTH	63AO
DELAWARE	4809	3.0	12.0	COYANOSA	57I
ARITHMETIC AVERAGE	4799	3.1	15.7		
GEOMETRIC AVERAGE		3.1			
MEDIAN VALUE		3.2	16.0		
MODE		3.0	12.4		
IDEAL SPECIFIC FLOW RATE =	.2 GPM/FT				
LEONARD (SUB-DIVIDED) SERIES UNDIFFERENTIATED					
CLEARFORK	2000	26.0	9.0	M - M	88AE
CLEARFORK	2430	19.0	12.0	WENTB	221AN
CLEARFORK	2994	7.0	14.0	BROWN AND THORP	A1269
CLEARFORK	3000	13.0	12.0	BROWN AND THORP	14I
CLEARFORK	3082	3.0	14.9	BROWN AND THORP, N.	15I
CLEARFORK	3100	3.0	13.4	BROWN - THORP, NORTH	101AF
ARITHMETIC AVERAGE	2768	11.8	12.5		
GEOMETRIC AVERAGE		8.6			
MEDIAN VALUE		13.0	13.4		
MODE		3.4	12.2		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
CLEARFORK GROUP					
TU _{BB} DOLOMITE	3045	4.0	11.0	BROWN AND THORP EAST	A 270
ARITHMETIC AVERAGE	3045	4.0	11.0		
GEOMETRIC AVERAGE		4.0			
MEDIAN VALUE		4.0	11.0		
MODE		4.0	11.0		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
WOLFCAMP SERIES UNDIFFERENTIATED					
WOLFCAMP CONG.	9672	73.0	13.0	COYANOSA	9AA
WOLFCAMP 10050 FT	10050	9.0	10.0	COYANOSA	58I
10900 FT WOLFCAMP	11263	5.5	10.0	ATHEY	60AO
WOLFCAMP	11500	5.8	10.1	ATHEY	55AP

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 PECOS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOLFCAMP SERIES UNDIFFERENTIATED					
11500 FT WOLFCAMP	11508	5.0	11.0	ATHEY, EAST	59A0
WOLFCAMP	9850	9.0	10.0	COYANUSA	A0371
ARITHMETIC AVERAGE	10640	17.9	10.7		
GEOMETRIC AVERAGE		9.9			
MEDIAN VALUE		9.0	10.1		
MODE		5.0	10.2		
IDEAL SPECIFIC FLOW RATE =	1.2 GPM/FT				
CISCO GROUP					
CISCO	7270	5.0	8.0	SHEFFIELD, SW	60AP
ARITHMETIC AVERAGE	7270	5.0	8.0		
GEOMETRIC AVERAGE		5.0			
MEDIAN VALUE		5.0	8.0		
MODE		5.0	8.0		
IDEAL SPECIFIC FLOW RATE =	.6 GPM/FT				
MORROW SERIES UNDIFFERENTIATED					
MORROW	15040	1.0	5.5	HOJO CABALLOS	60AA
ARITHMETIC AVERAGE	15040	1.0	5.5		
GEOMETRIC AVERAGE		1.0			
MEDIAN VALUE		1.0	5.5		
MODE		1.0	5.5		
IDEAL SPECIFIC FLOW RATE =	.3 GPM/FT				
DEVONIAN SYSTEM UNDIFFERENTIATED					
DETRITAL	5000	14.0	15.0	CROSSETT, SOUTH	A0171
DEVONIAN	5100	11.0	19.0	PECOS VALLEY	136AG
DEVONIAN	5200	4.0	17.3	PECOS VALLEY-PERMAIN	415I
5400 FT DEVONIAN	5400	4.0	20.0	PECOS VALLEY UNIT	397I
DEVONIAN	5400		20.0	PECOS VALLEY	113AI
DEVONIAN	5494	2.5	14.5	TROPORO	152AH
DEVONIAN	5629	1.5	14.3	TROPORO	A 270
DEVONIAN	12235		3.5	GREY RANCH	92AA
DEVONIAN	14500		7.5	OATES, NE	100AA
ARITHMETIC AVERAGE	7196	5.2	14.6		
GEOMETRIC AVERAGE		4.6			
MEDIAN VALUE		4.0	15.0		
MODE		4.1	14.2		
IDEAL SPECIFIC FLOW RATE =	.4 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
SILURIAN LOW-MID SERIES UNDIFFERENTIATED					
FUSSELMAN NO. 2	5151	10.0	13.0	PECOS VALLEY	110AS
ARITHMETIC AVERAGE	5151	10.0	13.0		
GEOMETRIC AVERAGE		10.0			
MEDIAN VALUE		10.0	13.0		
MODE		10.0	13.0		
IDEAL SPECIFIC FLOW RATE =	.7 GPM/FT				
SIMPSON GROUP					
MCKEE	5200	800.0	15.5	ABELL	A0470
MCKEE	5200	80.0	15.5	ABELL	11
MC KEE	5415	995.0	16.3	ABELL, EAST	127AJ
WADDELL	6008	169.0	9.9	ABELL, EAST	128AJ
ARITHMETIC AVERAGE	5456	511.0	14.3		
GEOMETRIC AVERAGE		322.1			
MEDIAN VALUE		800.0	15.5		
MODE		884.2	15.3		
IDEAL SPECIFIC FLOW RATE =	73.5 GPM/FT				
ELLENBURGER GROUP					
ELLENBURGER	9272	7.0	2.5	SHEFFIELD	445I
ELLENBURGER	9272	26.0	2.6	SHEFFIELD	130AK
ELLENBURGER	10580		4.0	BUCKETT, NORTH	52AA
ELLENBURGER	14700		2.5	GREY RANCH	93AA
ELLENBURGER	15000	1.0	1.3	COYANOSA	10AA
ELLENBURGER	15500		4.0	OATES, NE	101AA
ELLENBURGER	19900	67.0	5.0	GOMEZ	89AA
ARITHMETIC AVERAGE	13461	25.2	3.1		
GEOMETRIC AVERAGE		10.5			
MEDIAN VALUE		26.0	2.6		
MODE		1.3	2.6		
IDEAL SPECIFIC FLOW RATE =	.4 GPM/FT				

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POLK COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CLAIBORNE GROUP					
YEGUA	5000		30.0	SEGNO	37AI
ARITHMETIC AVERAGE	5000		30.0		
GEOMETRIC AVERAGE			30.0		
MEDIAN VALUE			30.0		
MODE			30.0		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				
WILCOX GROUP					
WILCOX F-6	7788	55.0	24.0	SCHWAB	26AS
WILCOX F-8	7788	78.0	30.0	SCHWAB	27AS
(C) SAND	9153	98.0	21.6	SEGNO (DEEP)	19AH
ARITHMETIC AVERAGE	8243	77.0	25.2		
GEOMETRIC AVERAGE		74.9			
MEDIAN VALUE		78.0	24.0		
MODE		56.6	22.0		
IDEAL SPECIFIC FLOW RATE =	18.4 GPM/FT				

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REAGAN COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WHITEHORSE GROUP					
GRAYBURG	2250	1.0	9.5	PRICE	075H
GRAYBURG	2250	1.0	9.5	PRICE	076H
GRAYBURG	2250	1.0	9.5	PRICE	077H
GRAYBURG	2250	1.0	9.5	PRICE	078H
GRAYBURG	2457	1.5	15.0	PRICE	A 369
GRAYBURG DOLOMITE	2534	1.6	9.0	JOHN SCOTT	83AF
GRAYBURG	2650	1.0	12.0	JOHN SCOTT	35H
GRAYBURG	2650	.9	11.5	PRICE, NORTHEAST	104AG
GRAYBURG	2700	1.5	15.4	JOHN SCOTT	79AE
GRAYBURG	2707	1.5	15.0	JOHN SCOTT	A 369
GRAYBURG	2739	1.5	15.4	JOHN SCOTT	A 569
GRAYBURG	3266	9.3	17.6	TEXON, SOUTH	53AP
2650 FT. ZONE	2650	.9	11.5	PRICE, NORTHEAST	81AE
ARITHMETIC AVERAGE	2566	1.8	12.3		
GEOMETRIC AVERAGE		1.4			
MEDIAN VALUE		1.0	11.5		
MODE		1.0	9.4		
IDEAL SPECIFIC FLOW RATE =	.0 GPM/FT				
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SA _N A _N DRES	2516	3.3	6.2	V-BAR	97AK
ARITHMETIC AVERAGE	2516	3.3	6.2		
GEOMETRIC AVERAGE		3.3			
MEDIAN VALUE		3.3	6.2		
MODE		3.3	6.2		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
LEONARD (UNDIVIDED) SERIES UNDIFFERENTIATED					
SPRABERRY	5200	1.0	10.0	SPRABERRY TREND AREA	A1170
SPRABERRY	5711	1.0	12.0	SPRABERRY-TREND AREA	088H
SPRABERRY	5820	1.0	12.0	SPRABERRY-TREND AREA	086H
SPRABERRY	6206	4.0	11.0	BIG LAKE	60AS
SPRABERRY	6400	1.0	14.0	SPRABERRY-TREND AREA	097H

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 REAGAN COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
LEONARD (UNDIVIDED) SERIES UNDIFFERENTIATED					
SPRABERRY	6600	1.0	12.0	SPRABERRY-TREND AREA	091H
6800 SPRABERRY	6800	.1	8.5	CALVIN	72AR
SPRABERRY	6870	1.0	14.0	SPRABERRY TREND	A0371
SPRABERRY	6923	1.6	14.0	TEXON WEST	66AS
SPRABERRY	7000	1.0	11.5	SPRABERRY-TREND AREA	093H
DEAN	7050	2.2	12.0	CALVIN	A 571
DEAN	7370	1.0	9.5	CALVIN	71AR
ARITHMETIC AVERAGE	6496	1.3	11.7		
GEOMETRIC AVERAGE		1.0			
MEDIAN VALUE		1.0	12.0		
MODE		1.1	12.1		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
ELLENBURGER GROUP					
ELLENBURGER	9008		3.2	BARNHART	4H
ELLENBURGER	9008		3.2	BARNHART	5H
ELLENBURGER	10500	5.1	3.0	STILES	124AJ
ARITHMETIC AVERAGE	9505	5.1	3.1		
GEOMETRIC AVERAGE		5.1			
MEDIAN VALUE		5.1	3.2		
MODE		5.1	3.2		
IDEAL SPECIFIC FLOW RATE =	1.1 GPM/FT				

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DELAWARE MOUNTAIN GROUP					
DELAWARE	2519	46.0	18.0	SCREWBEAN, NORTHEAST	95AE
DELAWARE	2524	37.5	20.0	SCREWBEAN, N.E.	A 569
DELAWARE SAND	2642	49.0	23.3	GERALDINE FORD	A0371
BELL CANYON (DEL)	2643	38.0	20.0	FORD	21AA
DELAWARE SAND	2665	25.5	19.5	SULLIVAN	118AI
DELAWARE SAND	2700	15.0	18.3	FORD	111AK
BELL CANYON	2700	30.0	22.0	FORD, EAST	18AA
DELAWARE SAND	2705	24.3	19.5	SULLIVAN (DELAWARE)	A1269
DELAWARE SAND	2710	50.0	22.5	EAST FORD DELAWARE	A 769
DELAWARE SAND	2730	20.0	23.0	FORD, EAST	120AD
DELAWARE SAND	2740	6.6	23.3	SULLIVAN (DELAWARE)	A 370
DELAWARE	2748	16.0	19.0	SULLIVAN	A 671
SINDORF	2858	20.0	15.0	SCREWBEAN,NE	119AS
DELAWARE SAND	2900	12.0	20.0	CHAPMAN	82AC
DELAWARE	2945	10.0	20.0	CHAPMAN S (OLDS)	A 869
DELAWARE	2968	57.0	19.0	SABRE	116AI
DELAWARE SAND	2973	17.1	19.9	SABRE	A0470
DELAWARE	3029	18.0	18.1	OLDS	134AG
DELAWARE	3045	20.0	16.0	OLDS UNIT NO.1	A 669
DELAWARE SAND	3250		22.5	TUNSTILL	212AN
DELAWARE	3270	50.0	25.0	TUNSTILL	493I
DELAWARE	3350	300.0	9.0	KEN REGAN	R6AE
DELAWARE SAND	3507	12.0	21.8	SOUTH ORLA	A 671
DELAWARE	3514	12.0	21.8	SOUTH ORLA	A 869
DELAWARE SAND	3926	57.0	21.8	AYLESWORTH	A 569
DELAWARE	4208	30.0	20.0	SANDLAKE (DELAWARE)	A 270
DELAWARE	4950	38.0	17.7	WAHA	132AF
DELAWARE SAND	5158	18.0	19.3	TORO	129AF
DELAWARE SAND	5187	18.0	20.0	TORO	A 671
DELAWARE	5508	16.0	16.1	WAHA, WEST	100AE
ARITHMETIC AVERAGE	3286	36.7	19.7		
GEOMETRIC AVERAGE		25.4			
MEDIAN VALUE		20.0	20.0		
MODE		17.5	19.4		
IDEAL SPECIFIC FLOW RATE =		.7 GPM/FT			

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUEYDAN-CATAHOULA GROUP					
MASSIVE CATAHOULA	3575	300.0	30.0	GRETA	7AI
4400 SAND	4390	317.0	31.5	TOM O CONNOR 4400 FT	53H
4400 FOOT	4400	1000.0	33.0	GRETTA (4400)	18B
H-440 SAND (FRIO)	4470	1197.0	32.7	LAKE PASTURE	A0171
H-440 SAND	4491	1197.0	32.7	LAKE PASTURE H-440	38B
4500 FT. SAND	4500	1900.0	32.2	TOM O CONNOR	27AD
FS-527	5268	1800.0	32.2	LAKE PASTURE	10AF
FS-523 SAND	5270	1052.0	32.4	LAKE PASTURE	9AF
FS-517	5286	233.0	28.4	LAKE PASTURE	11AD
FS-527 SAND	5309	5085.0	32.5	LAKE PASTURE FS-527	35B
5400 FT. SAND (FRIO)	5373	50.0	25.5	TOM O CONNOR	A 569
FS-538	5380	695.0	28.9	LAKE PASTURE	12AF
5400 FT SAND	5400	3700.0	26.1	WOODSBORO	17AR
5400 FT. SAND	5400		30.0	TOM O CONNOR	38AM
5400 SAND	5400	624.0	31.0	TOM O CONNOR 5400 FT	54B
FS-536	5418	2320.0	31.7	LAKE PASTURE	11AF
FS-96	5428	980.0	30.0	MARY ELLEN O CONNOR	19AM
FS-96 SAND	5450	3900.0	32.0	MARY ELLEN O CONNOR	40B
FS-96 SAND	5490	1500.0	31.0	WOODSBORO	9AH
5500 FT. FRIO	5500	1500.0	32.0	TOM O CONNOR	7AH
5500 FT. SAND	5500	1500.0	30.0	TOM O CONNOR	39AH
FS-550 SAND	5527	1781.0	29.4	LAKE PASTURE FS-550	36B
FT-18	5550	2680.0	31.0	MARY ELLEN O CONNOR	20AM
FT-560	5605	800.0	29.2	LAKE PASTURE	13AF
GY-569 SAND	5750	2058.0	35.2	LAKE PASTURE FS-569	37B
FT -569 (FRIO)	5764	1285.0	32.7	LAKE PASTURE	A 669
5800 FOOT SAND	5780	2200.0	31.8	TOM O CONNOR	52B
5800 FT. SAND	5800	1500.0	30.0	TOM O CONNOR	40AM
FG-40 SAND	5856	8200.0	33.0	MARY ELLEN O CONNOR	18AM
FT 570 FT. SAND	5870	971.0	29.4	LAKE PASTURE	11AE
5900 FT. SAND	5900	1682.0	28.9	LA ROSA	8AI
5900 FT SAND	5900	2136.0	31.8	TOM O CONNER	7AQ
5800 FT. SAND	5900	2136.0	31.7	TOM O CONNOR	16AF
5900 FT. SAND	5900	2000.0	32.0	TOM O CONNOR	41AM
6150 FOOT SAND	6150	770.0	29.0	REFUGIO NEW 6150 SD	47B
6200 FOOT SAND	6183	1800.0	31.4	REFUGIO-HERD	46H
6300 FT. SAND	6300	772.0	28.8	LA ROSA	9AI
ROOKE SAND	6300	5500.0	31.0	LA ROSA	8AF
BIRDIE SAND	6831	5500.0	31.0	LA ROSA	9AS
6900 FT. SAND	6900		31.4	LA ROSA	7AG
8200 SAND	8200	214.0	29.0	LA ROSA	10AS

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GUEYDAN-CATAHOULA GROUP					
DRISCOLL	4232	3500.0	33.0	LA ROSA	11AS
FRIO-VICKSBURG	6800	400.0	29.0	ROCHE	36AM
ARITHMETIC AVERAGE	5667	1920.4	30.8		
GEOMETRIC AVERAGE		1305.1			
MEDIAN VALUE		1500.0	31.0		
MODE		2366.3	31.8		
IDEAL SPECIFIC FLOW RATE =	315.5 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WICHITA GROUP					
LR. ALBANY DOLOMITE	3900	50.0	16.0	QUINDUNO	26AB
ARITHMETIC AVERAGE	3900	50.0	16.0		
GEOMETRIC AVERAGE		50.0			
MEDIAN VALUE		50.0	16.0		
MODE		50.0	16.0		
IDEAL SPECIFIC FLOW RATE =	2.9 GPM/FT				
WOLFCAMP SERIES UNDIFFERENTIATED					
BROWN DOLOMITE (PER)	3760	2.0	14.3	CREE - FLOWERS	23AB
ARITHMETIC AVERAGE	3760	2.0	14.3		
GEOMETRIC AVERAGE		2.0			
MEDIAN VALUE		2.0	14.3		
MODE		2.0	14.3		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
VIRGIL SERIES UNDIFFERENTIATED					
LECOMPTON (U. PENN.)	6175	18.0	15.0	QUINDUNO	27AB
LECOMPTON (U. PENN.)	6175	9.0	16.0	QUINDUNO (NORTH)	28AB
LECOMPTON	6200	32.0	16.7	QUINDUNO	139AK
ARITHMETIC AVERAGE	6183	19.7	15.9		
GEOMETRIC AVERAGE		17.3			
MEDIAN VALUE		18.0	16.0		
MODE		9.6	15.1		
IDEAL SPECIFIC FLOW RATE =	1.1 GPM/FT				
LANSING KANSAS CITY GROUP					
LANSING - KAN. CITY	6300	.5	2.0	QUINDUNO	29AB
ARITHMETIC AVERAGE	6300	.5	2.0		
GEOMETRIC AVERAGE		.5			
MEDIAN VALUE		.5	2.0		
MODE		.5	2.0		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				

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ROBERTS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
DES MOINES SERIES UNDIFFERENTIATED					
DES MOINES	7982	68.0	12.0	HODGES	72AP
ARITHMETIC AVERAGE	7982	68.0	12.0		
GEOMETRIC AVERAGE		68.0			
MEDIAN VALUE		66.0	12.0		
MODE		68.0	12.0		
IDEAL SPECIFIC FLOW RATE =	11.6 GPM/FT				
MORROW SERIES UNDIFFERENTIATED					
UPPER MORROW SAND	8200	14.0	13.1	LIPS (OIL)	24AB
UPPER MORROW SAND	8200	30.0	15.1	LIPS (GAS)	25AB
9470 UPPER MORROW	9470	500.0	15.0	MORRISON RANCH	77AQ
UPPER MORROW	9887	18.0	12.0	MATHEWS, NORTH	168AS
ARITHMETIC AVERAGE	8939	140.5	13.8		
GEOMETRIC AVERAGE		44.1			
MEDIAN VALUE		30.0	15.0		
MODE		17.0	14.9		
IDEAL SPECIFIC FLOW RATE =	3.5 GPM/FT				

T E X A S W A T E R D E V E L O P M E N T B O A R D

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AQUIFER ROCK PROPERTIES

ROBERTSON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
	N AVARRO GROUP				
GIBSON SAND	2170	946.0	25.5	CALVERT	A1069
ARITHMETIC AVERAGE	2170	946.0	25.5		
GEOMETRIC AVERAGE		946.0			
MEDIAN VALUE		946.0	25.5		
MODE		946.0	25.5		
IDEAL SPECIFIC FLOW RATE =	30.3 GPM/FT				

SALINE WATER RESOURCES SURVEY

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AQUIFER ROCK PROPERTIES

RUNNELS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CISCO GROUP					
SERRATT	2207	250.0	18.0	ALGERNON FIELD	50A0
SERRATT SAND	2233	100.0	20.0	ALGERNON SERRATT	A 869
SERRATT SAND	2410	300.0	18.0	BALLINGER	3H
SERRATT SAND	2423	12.9	15.5	WESLEY WOOD	A 869
SERRATT	2430	359.0	18.5	ELM CREEK EAST	48AP
MC MILLAN	2450	259.0	16.5	LINDEMANN	139AN
SERRATT SAND	2450	200.0	18.0	ANDERGRAM,SOUTH	1H
KING SAND	2550	106.0	20.0	CHICK-INN	93AD
MCMILLAN	2588		16.0	ELM CREEK EAST	49AP
BRECKENRIDGE	2700	6.7	4.2	FENNEL	86AK
KING SAND	2763	521.0	18.5	FENNEL	88AK
CISCO REEF	2810	7.5	4.5	FENNEL	87AK
KING SAND	2810	913.0	19.2	WINTERS,WEST	112H
KING SAND	2820	255.0	18.0	WINTERS, WEST	105AH
GUNSIGHT	2843	273.0	14.0	WINTERS,NORTH	111H
KING SAND	3000	250.0	19.1	PAUL THOMAS 3000SAND	068H
3000 FT. SAND	3000	260.0	19.0	PAUL THOMAS	72AI
ARITHMETIC AVERAGE	2617	254.6	16.3		
GEOMETRIC AVERAGE		139.5			
MEDIAN VALUE		255.0	18.0		
MODE		275.3	19.2		
IDEAL SPECIFIC FLOW RATE =	10.3 GPM/FT				
CANYON GROUP					
CANYON	3440	164.0	18.1	MOTLEY, NORTHWEST	87AF
CANYON SAND	3455	164.0	18.1	MOTLEY N _w UNIT	A 369
CANYON,UPPER NO.2	3490	270.0	17.5	WINTERS,SW	68AS
CANYON SAND	3691	400.0	17.4	TRITON (CANYON SAND)	A1269
PALO PINTO	3800		13.0	MOTLEY, NORTH	99AG
PALO PINTO	3900	196.0	12.0	NORTON, WEST	80AE
PALO PINTO LOWER	3964		16.0	NORTON E.	063H
ARITHMETIC AVERAGE	3677	338.8	16.0		
GEOMETRIC AVERAGE		263.9			
MEDIAN VALUE		196.0	17.4		
MODE		179.2	17.8		
IDEAL SPECIFIC FLOW RATE =	10.8 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS

RUNNELS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAWN GROUP					
MORRIS SAND	3600	25.0	14.0	ENOCH JOHNSON	17H
LOWER FRY	3650	100.0	15.0	CREWS, SOUTH	13H
MORRIS SAND	3650	100.0	15.0	SYKES (MORRIS SAND)	100H
MORRIS SAND	3650	103.0	15.5	SYKES	146AH
LOWER FRY	3654	200.0	16.0	CREWS, SOUTH	132AH
UPPER CAPPS LIME	3700	93.0	6.5	ROWENA	96AK
GARDNER	3700	97.0	15.6	HULL-DOBBS, NORTH	137AH
CAPPS, LOWER	3783	19.0	5.2	ROWENA	73AI
UPPER GARDNER	3850	75.0	15.0	CREWS, SOUTH	14H
CAPPS LIME	3850	100.0	15.0	DICK RICHARDSON	16H
MORRIS	3850	8.0	13.2	HUSHER	100AH
UPPER GARDNER	3888	100.0	15.0	CREWS, WEST	133AH
UPPER GARDNER	3900	111.0	14.5	CHEE-SYKES	12H
STRAWN	3920	20.0	5.4	WINTERS	150AH
GRAY SAND	3980	150.0	12.0	WILMALEE	106H
UPPER GARDNER	3981	54.0	13.0	HULL-DOBBS	136AH
GARDNER SAND	3990	100.0	14.5	GOLDSBORO	A037I
GARDNER LIME	4050	100.0	14.0	ROWENA, NORTH	73AC
GARDNER	4062	40.0	12.0	ROWENA	142AH
GARDNER	4100	100.0	14.5	GOLDSBORO (GARDNER)	136G
JENNINGS	4162	5.2	13.2	WINTERS	149AH
GARDNER LM	4168	150.0	8.0	DICK RICHARDSON	A097O
GARDNER SAND	4178		11.3	NEVINS, SOUTHWEST	98AD
GARDNER	4239	50.0	13.2	GOLDSBORO (GARDNER)	137G
COEN LIME	4250	78.0	33.7	DORHAN	95AD
HILES	4250	3.6	7.5	URBAN	83AF
FRY SAND	4300	300.0	14.7	LLOYD	43H
COEN LIME	4321	1000.0	12.0	MOTLEY, NORTH	86AF
LOWER FRY SAND	4330	122.0	18.3	NORTON, WEST	95AH
JENNINGS SAND	4340	40.0	6.4	NORTON, NORTH	93AK
LOWER FRY SAND	4350	72.0	16.3	NORTON W.	064H
FRY SAND	4360	182.0	17.0	SNEISE	145AH
GARDNER	4393	57.0	15.0	KUPER	63AS
FRY	4400	144.0	16.0	SUEISE (FRY)	098H
FRAY SAND	4453	71.0	15.8	PACE	143AH
CADDO LIME	4500	100.0	14.5	WINTERS	A 269
FRY SAND	4500	44.0	13.8	SANFORD FRY	082H
GARDNER SAND	4532		14.0	NORTON E.	062H
COEN LIME	5400	20.0	5.0	FORT CHADBOURNE	89AK
COEN	5420	35.0	5.0	FORT CHADBOURNE	21H
ARITHMETIC AVERAGE	4141	109.9	13.3		
GEOMETRIC AVERAGE		65.6			
MEDIAN VALUE		97.1	14.5		
MODE		82.7	15.0		
IDEAL SPECIFIC FLOW RATE =		5.8 GPM/FT			

TEXAS WATER DEVELOPMENT BOARD
SALINE WATER RESOURCES SURVEY

JUL 1971

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AQUIFER ROCK PROPERTIES
RUSK COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOODRINE GROUP					
WOODRINE	3300	2500.0	25.2	EAST TEXAS	11F
WOODRINE	3300	2500.0	25.2	EAST TEXAS	9F
WOODRINE SAND	3550	200.0	23.0	HARVEY UNIT-E, TEXAS	A0870
WOODRINE SAND	3550	200.0	23.0	EAST TEXAS	A1070
WOODRINE SAND	3552	200.0	12.0	EAST TEXAS	A 671
WOODRINE SAND	3552	200.0	18.0	EAST TEXAS	A 671
WOODRINE	3552	200.0	23.0	EAST TEXAS	A 770
WOODRINE	3674	1170.0	27.4	GOOD SPRINGS, W	A 770
WOODRINE	3793	900.0	24.0	BIG BARNETT	55AK
ARITHMETIC AVERAGE	3536	696.7	22.3		
GEOMETRIC AVERAGE		504.2			
MEDIAN VALUE		200.0	23.0		
MODE		228.7	23.6		
IDEAL SPECIFIC FLOW RATE =	16.1 GPM/FT				
TRINITY GROUP					
RODESSA	6060		12.5	CALEDONIA	51AC
KIRKLAND	8340	20.0	18.0	QUITMAN-CATHEY	53AC
ARITHMETIC AVERAGE	7200	20.0	15.2		
GEOMETRIC AVERAGE		20.0			
MEDIAN VALUE		20.0	18.0		
MODE		20.0	12.8		
IDEAL SPECIFIC FLOW RATE =	4.6 GPM/FT				
SLIGO (PETTET) GROUP					
SLIGO (PETTET)	3552	200.0	23.0	HARVEY UNIT E, TEX	A 670
LOWER PETTET-PANOLA	6758	22.0	18.5	CARTHAGE	56AK
UPPER PETTET	6993	124.0	15.3	SHILOH	58AE
UPPER PETTET	6993	172.0	14.9	SHILOH	66AF
UPPER PETTET	7000	124.0	15.3	SHILOH	50F
PETTET	7258	44.0	10.4	HENDERSON, NORTH	74AH
PETTET-OIL	7366	50.0	16.0	PONE	27AQ
BASAL PETTET	7500	63.0	15.0	PONE (BASAL PETTET)	44F
ARITHMETIC AVERAGE	6676	99.9	16.0		
GEOMETRIC AVERAGE		79.6			
MEDIAN VALUE		124.0	15.3		
MODE		47.9	14.8		
IDEAL SPECIFIC FLOW RATE =	11.0 GPM/FT				

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RUSK COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
HOSSTON (TRAVIS PEAK) GROUP					
TRAVIS PEAK	7455	34.5	17.7	HENDERSON, NE	24A0
TRAVIS PEAK	7455	34.5	17.5	HENDERSON, NE	36A0
TRAVIS PEAK	7550	36.0	15.0	HENDERSON	43AP
ARITHMETIC AVERAGE	7487	35.0	16.7		
GEOMETRIC AVERAGE		35.0			
MEDIAN VALUE		34.5	17.5		
MODE		34.6	17.6		
IDEAL SPECIFIC FLOW RATE =	9.8 GPM/FT				

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SAN JACINTO COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WILCOX GROUP					
7875 WILCOX	7875	81.0	28.0	COLD SPRINGS, EAST MERCY	23AS 16AJ
WILCOX	8300	256.0	20.5		
ARITHMETIC AVERAGE	8087	168.5	24.2		
GEOMETRIC AVERAGE		144.0			
MEDIAN VALUE		256.0	28.0		
MODE		85.9	20.9		
IDEAL SPECIFIC FLOW RATE =	26.9 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD
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AQUIFER ROCK PROPERTIES
SAN PATRICIO COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUEYDAN-CATAHOULA GROUP					
CATAHOULA 4000 FT.SD	4000	650.0	27.5	TAFT	41AC
CATAHOULA 4300 FT.SD	4300	650.0	27.5	TAFT	42AC
CATAHOULA 4900 FT.SD	4900	300.0	27.5	TAFT	43AC
4300 FT. ZONE	4300	650.0	30.0	TAFT	61AG
4700 FT SAND (FRIO)	4556	848.0	37.0	N. WILLMAN	A 36V
GRETA STRINGER SAND	4600	720.0	31.0	PLYMOUTH	134AL
MAIN GRETA SAND	4650	898.0	31.1	PLYMOUTH	135AL
4700 FT. SAND	4750	507.0	31.0	WILLMANN, NORTH	63AN
4900 FT. ZONE	4900	300.0	30.0	TAFT	62AG
5000 FT. SAND	5000	341.0	31.0	WHITE POINT, EAST	70AH
5100 FT. SAND	5100	1320.0	32.5	SINTON, WEST	162AL
FRIO	5300	121.0	27.4	PLYMOUTH, EAST	43AG
5300 FT. SAND	5300	760.0	30.9	ODEM	55AD
5400 FT. SAND	5400	580.0	28.7	ODEM	56AD
5400 FT. D SAND	5400	300.0	28.7	ODEM	57AD
FRIO	5470	2000.0	28.0	PLYMOUTH (5470)	166D
FRIO	5470	2000.0	30.0	PLYMOUTH 5470 S SEG.	167D
5500 FT. STRINGER	5500	110.0	25.0	ODEM	58AD
HAVELKA SAND	5546	496.0	30.0	PLYMOUTH, EAST	46AH
KEETON SAND	5550	900.0	27.0	MATHIS, EAST	29AJ
KEETON SAND	5550	290.0	28.0	MATHIS, EAST	156D
TUTT SAND	5507	948.0	32.8	PLYMOUTH, EAST	47AF
HEEP	5600	3300.0	29.0	PLYMOUTH	165D
A-5 SAND	5650		25.0	TAFT	56AG
B-1 SINTON SAND	5700	300.0	28.0	TAFT	57AG
HEEP SAND	5747	2447.0	33.5	WHITE POINT, EAST	167AL
	5800	250.0	30.0	PLYMOUTH	26AD
HEEP UPPER	5820	414.0	33.4	WHITE POINT, EAST	52AI
5900 FT. SAND	5900	116.0	25.6	ENCINO	36AK
6000 FT. C SAND	6000	325.0	29.0	ODEM	59AD
C-2 SAND	6050		30.0	TAFT	58AG
6000 FT. FRIO SAND	6085	1339.0	31.0	PLYMOUTH	136AL
6100 FT. WEST SAND	6100	114.0	29.6	PLYMOUTH	45AF
6100 FT. FRIO SAND	6140	1946.0	32.4	PLYMOUTH	137AL
FRIO	6150	2500.0	33.0	PLYMOUTH	32AI
D-2 SAND	6200	1000.0	31.0	TAFT	59AI
D-2 SAND	6207	52.0	30.4	TAFT BEEP	51AF
6220 FT. SAND	6220	807.0	25.5	PLYMOUTH	46AF
E-1 SAND	6319	661.0	31.0	TAFT BEEP	52AF
6400 SAND (FRIO)	6384	3700.0	33.0	ENCINO (6400 FT.)	A1269
6400 FT. SAND (FRIO)	6400	3723.0	32.0	ENCINO	A0271

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
SAN PATRICIO COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GULFDAN-CATAHOULA GROUP					
6400 FT. SAND	6400	4310.0	32.0	ENCLINO	37AK
F-1 SAND	6400	600.0	31.0	TAFT	60AD
6400 FT. SAND	6400	150.0	29.0	ODEM	60AD
6600 FT. SAND	6614	56.0	21.6	SPARTAN	48AN
7100 FT. SAND	7100	642.0	27.0	PORTILLA	13AN
7100 FT. FRIO SAND (A) SAND	7100	1352.0	28.1	PORTILLA	138AL
7209	7209	230.0	24.8	SALT LAKE	22AN
B-2 SAND	7209	109.0	27.9	SALT LAKE	23AN
(E) SAND	7209	103.0	20.2	SALT LAKE	24AN
7300 FT. SAND	7300	1412.0	29.0	PORTILLA	14AN
7300 FT. FRIO SAND	7300	1412.0	29.0		139AL
7400 FT. SAND	7400	1634.0	28.0	PORTILLA	15AN
7400 FT. FRIO SAND	7400	1634.0	28.0		140AL
7650 FT SAND	7650	1565.0	29.6	GINNY, EAST	48AN
8100 FT. SAND	8100	954.0	25.0	PORTILLA	16AN
8100 FT. FRIO SAND	8100	954.0	25.0	PORTILLA	141AL
LOWER FRIO SAND	8033	950.0	26.5	SPARTAN	47AN
LOWER FRIO SAND	8077	1493.0	31.0	SPARTAN	163AL
ARITHMETIC AVERAGE	6044	1029.0	29.1		
GEOMETRIC AVERAGE		600.3			
MEDIAN VALUE		760.0	29.0		
MODE		964.8	29.4		
IDEAL SPECIFIC FLOW RATE =	149.6 GPM/FT				
VICKSBURG GROUP					
UPPER STILL WELL	4900	520.0	29.0	HOLMES	102D
ARITHMETIC AVERAGE	4900	520.0	29.0		
GEOMETRIC AVERAGE		520.0			
MEDIAN VALUE		520.0	29.0		
MODE		520.0	29.0		
IDEAL SPECIFIC FLOW RATE =	58.2 GPM/FT				
MIDWAY GROUP					
MAIN MIDWAY SAND	5408	4500.0	33.5	MIDWAY	A 469
ARITHMETIC AVERAGE	5408	4500.0	33.5		
GEOMETRIC AVERAGE		4500.0			
MEDIAN VALUE		4500.0	33.5		
MODE		4500.0	33.5		
IDEAL SPECIFIC FLOW RATE =	590.5 GPM/FT				

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SCHLEICHER COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENNSYLVANIAN SAND	3600	136.0	14.2	TILLERY	99AM
PENNSYLVANIAN REEF	5600	43.0	9.4	HULLDALE	24H
PENNSYLVANIAN	6217	8.0	9.9	NEVA WEST	59H
ARITHMETIC AVERAGE	5139	62.3	11.2		
GEOMETRIC AVERAGE		36.0			
MEDIAN VALUE		43.0	9.9		
MODE		9.3	9.6		
IDEAL SPECIFIC FLOW RATE =	1.0 GPM/FT				
CISCO GROUP					
CISCO	2650	165.0	19.0	F + H	101AH
ARITHMETIC AVERAGE	2650	165.0	19.0		
GEOMETRIC AVERAGE		165.0			
MEDIAN VALUE		165.0	19.0		
MODE		165.0	19.0		
IDEAL SPECIFIC FLOW RATE =	6.8 GPM/FT				
CANYON GROUP					
PALO PINTO	3881		8.0	CAHAR	95AG
CANYON SAND	4618	16.0	12.0	OTTO	71AI
HARKEY	4620	12.0	11.5	OTTO	48AA
CANYON SAND	4750	101.0	14.5	OHARROW CANYON	A1070
CANYON SAND	4750	101.0	14.5	O HARROW	065H
CANYON	4775	47.0	14.4	O HARROW	94AK
CANYON	4800		22.0	BUTLER	131AN
CANYON SAND	4808	47.0	14.4	O HARROW	47AA
HENDERSON	6376		12.5	VELREX	85AR
ARITHMETIC AVERAGE	4820	54.0	13.8		
GEOMETRIC AVERAGE		40.4			
MEDIAN VALUE		47.0	14.4		
MODE		48.2	14.3		
IDEAL SPECIFIC FLOW RATE =	4.9 GPM/FT				

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SCHLEICHER COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAWN GROUP					
STRAWN	4104		21.0	TILLERY,NW	54AP
UPPER STRAWN	4105		13.7	CAMAR	39A0
STRAWN SAND	4270		17.0	FORT MC KAVETT	97AG
STRAWN	4324		10.0	CAMAR	96AG
STRAWN	5130		12.0	OTTO	102AH
LOWER STRAWN	5245		17.0	OTTO	100AG
STRAWN	5250	20.0	12.0	TOE NAIL	92AF
STRAWN	5250	15.0	9.0	TOE NAIL	102H
STRAWN	5250	60.0	9.6	TOE NAIL	148AN
STRAWN	5450	21.0	6.0	COX-BROWN (STRAWN)	11H
STRAWN LIME	5550	1.0	7.5	PAGE	067H
STRAWN	5563	21.0	6.0	COX-BROWN (STRAWN)	10H
STRAWN	6300	7.9	9.9	NEVA WEST	A 369
STRAWN	6317	7.8	9.9	NEVA WEST	A 669
STRAWN	6325	3.0	7.0	NEVA, WEST	46AA
STRAWN REEF	5550		7.5	PAGE	101AG
STRAWN REEF	6150	50.0	5.5	NEVA WEST	141AN
ARITHMETIC AVERAGE	5302	20.7	10.6		
GEOMETRIC AVERAGE		12.2			
MEDIAN VALUE		20.0	9.9		
MODE		22.0	9.4		
IDEAL SPECIFIC FLOW RATE =	2.6 GPM/FT				
ELLENBURGER GROUP					
ELLENBURGER	8040	1.0	11.0	UNIVERSITY 101	103H
ARITHMETIC AVERAGE	8040	1.0	11.0		
GEOMETRIC AVERAGE		1.0			
MEDIAN VALUE		1.0	11.0		
MODE		1.0	11.0		
IDEAL SPECIFIC FLOW RATE =	.2 GPM/FT				

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SCURRY COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES DOLOMITE	1650	2.0	16.0	SHARON RIDGE 1700 FT	A0170
SAN ANDRES DOLOMITE	1660	2.0	16.0	SHARON RIDGE 1700	A 669
SAN ANDRES	1700	2.5	16.2	SHARON RIDGE	A0471
SAN ANDRES	1700	2.5	16.2	SHARON RIDGE	A 571
SAN ANDRES	1700	2.0	16.0	SHARON RIDGE	103J
SAN ANDRES	1716	2.5	16.2	SHARON RIDGE	A 370
SAN ANDRES	1760		15.0	SHARON RIDGE	101J
SAN ANDRES	2100	4.6	15.4	CORAZON	116AD
STRAWN (B)	7420	36.0	10.0	SNYDER NORTH	152J
GLORIETA	2624	2.9	10.3	REVILO	12BAK
GLORIETA	2637	2.9	13.0	REVILO	A 770
GLORIETTA	2680	10.0	16.5	VAREL	A1070
SAN ANGELO	2700	5.5	17.0	LOZONE	102AI
GLORIETTA	2700	1.1	9.7	REVILLO GLORIETTA	A1070
GLORIETA	2900	3.0	14.0	REVILO	89J
ARITHMETIC AVERAGE	2510	5.7	14.5		
GEOMETRIC AVERAGE		3.4			
MEDIAN VALUE		2.9	16.0		
MODE		2.7	15.9		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
LEONARD (SUB-DIVIDED) SERIES UNDIFFERENTIATED					
CLEARFORK	2994	12.0	3.4	SHARON RIDGE	237AL
CLEARFORK	2994	14.8	7.3	SHARON RIDGE	207AN
CLEARFORK	3101	2.6	12.0	SHARON RIDGE	106J
CLEARFORK	3115	8.0	10.0	DIAMOND M CLEARFORK	A1169
CLEARFORK	3170	8.0	7.0	DIAMOND M	61I
ARITHMETIC AVERAGE	3075	9.1	7.9		
GEOMETRIC AVERAGE		7.8			
MEDIAN VALUE		8.0	7.3		
MODE		8.1	7.3		
IDEAL SPECIFIC FLOW RATE =	.3 GPM/FT				
WOLF CAMP SERIES UNDIFFERENTIATED					
FULLER SAND	5000	29.0	16.5	FULLER, SOUTHEAST	109AF

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SCURRY COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOLFCAMP SERIES UNDIFFERENTIATED					
FULLER SAND	5100	1700.0	23.0	FULLER	165AN
WOLFCAMP (5310)	5400	350.0	9.5	DIAMOND M	27J
WOLFCAMP	5400	378.0	4.6	DIAMOND M	108AM
ARITHMETIC AVERAGE	5225	614.2	13.4		
GEOMETRIC AVERAGE		284.2			
MEDIAN VALUE		378.0	16.5		
MODE		417.4	5.5		
IDEAL SPECIFIC FLOW RATE =	33.4 GPM/FT				
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENNSYLVANIAN	6797		15.0	COB-RUWE	62AP
CANYON PENN. REEF	6600	43.9	8.8	DIAMOND M	83AI
SACROC UNIT (PENN.)	6807	19.4	7.6	KELLY-SNYDER SACROC	A 171
PENNSYLVANIAN	7442	36.0	9.8	ALLEN HOLIDAY	84AE
ARITHMETIC AVERAGE	6961	33.1	10.3		
GEOMETRIC AVERAGE		31.3			
MEDIAN VALUE		36.0	9.8		
MODE		20.2	8.0		
IDEAL SPECIFIC FLOW RATE =	2.5 GPM/FT				
CISCO GROUP					
5030 FT CISCO	5030	500.0	9.0	TONTO,NE	63A0
CISCO SAND	6100	42.0	17.5	KELLY-SNYDER	51J
CISCO	6175	35.0	18.0	KELLY-SNYDER	177AN
CISCO SAND	6300	20.0	14.0	KELLY-SNYDER	52J
CISCO	6795	30.6	7.1	KELLY-SNYDER	116AR
ARITHMETIC AVERAGE	6080	125.5	13.1		
GEOMETRIC AVERAGE		53.8			
MEDIAN VALUE		35.0	14.0		
MODE		32.8	17.5		
IDEAL SPECIFIC FLOW RATE =	3.3 GPM/FT				
CANYON GROUP					
1700 FT. (CANYON)	1700	2.5	16.2	SHARON RIDGE	A1170
6200 FT. ZONE	6200	4.4	15.2	HERMLEIGE	130AH
CANYON LIME	6569	15.0	9.7	DIAMOND M	60I

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SCURRY COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CANYON GROUP					
CANYON LIME	6569	15.0	6.0	DIAMOND M	162AN
CANYON SAND	6690	1.5	15.0	TONTO	171AJ
CANYON SAND	6690	1.5	15.0	TONTO	151AH
CANYON REEF	6700	15.4	7.6	KELLY-SNYDER	A0970
CANYON REEF	6700	15.4	7.6	KELLY-SNYDER	A1069
CANYON LIME	6700	43.9	9.3	DIAMOND *M*	A1270
CANYON REEF	6796	17.6	10.0	COGDELL	A0870
CANYON LIMESTONE	6800	44.0	8.8	DIAMOND M	142AJ
CANYON REEF	6800	30.0	10.0	KELLY-SNYDER	60AQ
CANYON REEF	4300	30.0	6.0	KELLY-SNYDER	49J
CANYON REEF	6200	31.0	10.0	KELLY-SNYDER AREA	176AN
CANYON REEF	6400	15.0	7.0	KELLY - SNYDER	37AA
CANYON REEF	6700	1.1	14.2	TONTO	A0371
CANYON REEF	6700	19.4	7.6	KELLY SNYDER	A0570
CANYON REEF	6700	19.4	7.6	KELLY-SNYDER	A1270
CANYON REEF	6795	30.6	7.1	KELLY-SNYDER	48J
CANYON REEF	6795	30.6	10.0	KELLY-SNYDER	130AD
CANYON REEF	6796	17.6	10.0	COGDELL	A0970
CANYON REEF	6796	17.6	10.0	COGDELL AREA	A1070
CANYON REEF	6864	30.6	7.1	KELLY-SNYDER	131AH
ARITHMETIC AVERAGE	6346	19.9	9.9		
GEOMETRIC AVERAGE		13.6			
MEDIAN VALUE		19.4			
MODE		17.8			
IDEAL SPECIFIC FLOW RATE =	1.9 GPM/FT				
STRAWN GROUP					
UPPER STRAWN	7095	5.0	15.5	SNYDER, NORTH	123AS
STRAWN LIMESTONE	7487		16.0	SNYDER, NO.	66AA
STRAWN	7877		10.3	FLUVANNA, NORTHEAST	97AE
ARITHMETIC AVERAGE	7486	5.0	13.9		
GEOMETRIC AVERAGE		5.0			
MEDIAN VALUE		5.0	15.5		
MODE		5.0	15.7		
IDEAL SPECIFIC FLOW RATE =	.7 GPM/FT				

OF THE

STATE OF TEXAS

AQUIFER ROCK PROPERTIES

SHACKELFORD COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CLAIBORNE GROUP					
COOK	1400	1400.0	22.0	NAIL, MONTH	90AM
ARITHMETIC AVERAGE	1400.0	1400.0	22.0		
GEOMETRIC AVERAGE	1400.0	1400.0	22.0		
MEDIAN VALUE	1400.0	1400.0	22.0		
MODE	1400.0	1400.0	22.0		
IDEAL SPECIFIC FLOW RATE =	23.7 GPM/FT				
PERMIAN SYSTEM UNDIFFERENTIATED					
PERMIAN	553	150.0	20.0	SHACKELFORD CO. REG.	A 471
PERMIAN	1608	32.0	17.6	SHACKELFORD CO. REG.	A 471
ARITHMETIC AVERAGE	1080	91.0	18.8		
GEOMETRIC AVERAGE		69.3	20.0		
MEDIAN VALUE		150.0	17.7		
MODE		34.7			
IDEAL SPECIFIC FLOW RATE =	4.4 GPM/FT				
WOLF CAMP SERIES UNDIFFERENTIATED					
BLUFF CREEK	140	11.0	15.0	SHACKELFORD CO. REG.	2586
COOK SAND	360	1320.0	75.0	COOK RANCH	966
FRYE SAND	450	150.0	22.0	SHACKELFORD CO. REG.	2806
TANNEHILL SAND	453	40.0	20.0	SHACKELFORD CO. REG.	A0970
COOK SAND	500	120.0	22.0	SHACKELFORD CO. REG.	2946
FRYE SAND	515	24.0	22.0	SHACKELFORD CO. REG.	2956
COOK SAND	530	50.0	23.0	SHACKELFORD CO. REG.	A1070
UPPER FRYE	541	235.0	22.1	SHACKELFORD CO. REG.	3016
LOWER FRYE	550	40.0	20.0	SHACKELFORD CO. REG.	3016
TANNEHILL	550	40.0	18.0	SHACKELFORD CO. REG.	3036
UPPER FRYE	552	235.0	22.1	SHACKELFORD CO. REG.	A 270
COOK SAND	556	128.0	24.0	COUNTY REGULAR	A 769
LOWER TANNEHILL SAND	560	150.0	24.0	SHACKELFORD CO. REG.	2596
FRYE SAND	584	100.0	50.0	SHACKELFORD CO. REG.	A 370
COOK SAND	600	700.0	24.0	SHACKELFORD CO. REG.	2816
COOK SAND	615	120.0	24.0	SHACKELFORD CO. REG.	A 369

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
#OLFCAMP SERIES UNDIFFERENTIATED					
TANNEHILL SAND	62.0	100.0	22.5	SHACKELFORD CO. REG.	2836
FRYE SAND	62.8	42.0	25.2	SHACKELFORD CO. REG.	A 370
TANNEHILL	63.6	45.0	18.0	SHACKELFORD CO. REG.	3106
UPPER FRYE	65.0	19.0	26.0	SHACKELFORD CO. REG.	3096
TANNEHILL SAND	69.0	100.0	22.0	SHACKELFORD CO. REG.	2466
TANNEHILL	72.0	19.0	22.7	SHACKELFORD CO. REG.	3076
TANNEHILL 730 FT	73.0	75.0	18.0	SHACKELFORD CO. REG.	2996
TANNEHILL SAND	78.0	18.0	19.2	SHACKELFORD CO. REG.	2976
COOK SAND	81.0	24.0	18.0	SHACKELFORD CO. REG.	2566
TANNEHILL SAND	90.0	100.0	20.0	SHACKELFORD CO. REG.	2926
TANNEHILL SAND	92.0	180.0	26.0	SHACKELFORD CO. REG.	2906
TANNEHILL	95.0	100.0	20.0	SHACKELFORD CO. REG.	3136
TANNEHILL SAND	95.0	77.0	20.0	SHACKELFORD CO. REG.	A 570
TANNEHILL SAND	98.3	79.0	20.0	SHACKELFORD CO. REG.	A 569
FRYE	100.0	77.0	17.2	SHACKELFORD CO. REG.	2536
BLUFF CREEK SAND	105.0	50.0	12.0	COOK RANCH	976
TANNEHILL	105.0	10.0	16.3	SHACKELFORD CO. REG.	2676
LOWER TANNEHILL SAND	115.0	250.0	20.0	SHACKELFORD CO. REG.	2756
TANNEHILL LOWER SAND	117.1	5.0	16.3	SHACKELFORD CO. REG.	2616
TANNEHILL SAND	120.0	135.0	14.0	COOK RANCH	1006
COOK	120.0	46.0	17.2	SHACKELFORD CO. REG.	2526
UPPER COOK SAND	130.0	360.0	20.0	NAIL (COOK UPPER)	2006
UPPER COOK SAND	130.0		20.0	NAIL (COOK UPPER)	2016
FLIPPEN	130.0	177.0	22.0	SHACKELFORD CO. REG.	2706
FLIPPEN	130.0	225.0	23.0	SHACKELFORD CO. REG.	2716
FRYE	130.0	200.0	20.0	SHACKELFORD CO. REG.	2726
TANNEHILL SAND	136.0	233.0	12.0	COOK RANCH	A0471
TANNEHILL SAND	136.0	233.0	12.0	COOK RANCH	A1069
TANNEHILL SAND	136.0	100.0	12.0	COOK RANCH	996
TANNEHILL SAND	136.0	150.0	14.0	COOK RANCH	1016
TANNEHILL SAND	137.0	191.0	24.0	COOK RANCH	A0970
COOK SAND	137.4	269.0	22.4	COOK RANCH	A0470
TANNEHILL	137.5	155.0	21.0	SWAZER CREEK	3436
TANNEHILL SAND	137.5	160.0	22.0	SWAZER CREEK	1174J
COOK SAND	140.0	127.0	13.0	COOK RANCH	986
COOK SAND	140.0	900.0	24.0	LOW-DAVIS	1104J
TANNEHILL SAND	140.0	277.0	22.0	WINDHAM	3996
COOK + TANNEHILL	140.0	117.0	20.5	SHACKELFORD CO. REG.	2516
BLUFF CREEK	141.3	372.0	26.6	SHACKELFORD CO. REG.	A 669
TANNEHILL SAND	144.0	160.0	23.6	SHACKELFORD CO. REG.	A 270
COOK SAND	145.0	49.0	23.4	CASPER WHISTLER SUR.	736
COOK SAND	147.5	1673.0	24.5	COOK RANCH	A1069
BLUFF CREEK	147.5	1673.0	24.5	COOK RANCH	A1169
FLIPPEN	148.0	40.0	18.0	SHACKELFORD CO. REG.	2736
FLIPPEN SAND	150.0	18.0	23.0	SHACKELFORD CO. REG.	3066
FLIPPEN	150.0	378.0	21.4	ROARK-NAIL	2296
FLIPPEN	150.0	380.0	22.0	ROARK-NAIL	2306
TANNEHILL SAND	150.0	26.0	20.5	SHACKELFORD CO. REG.	2636

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOLFCAMP SERIES UNDIFFERENTIATED					
FLIPPEN SAND	1530	750.0	24.0	MPC	A0171
FLIPPEN SAND	1530	752.0	24.0	MPC (FLIPPEN)	188G
COATES AREA (BLUFF)	1559	200.0	21.0	COATES (BLUFF CREEK)	76G
COOK	1560	168.0	22.0	SHACKELFORD CO. REG.	314G
BLUFF CREEK SAND	1600	100.0	12.0	SHACKELFORD CO. REG.	316G
BLUFF CREEK SAND	1600	120.0	20.1	SHACKELFORD CO. REG.	A1170
BLUFF CREEK	1600	100.0	17.0	SHACKELFORD CO. REG.	254G
BLUFF CREEK	1600	54.0	16.6	SHACKELFORD CO. REG.	269G
BLUFF CREEK	1602	17.0	16.2	SHACKELFORD CO. REG.	304G
BLUFF CREEK SAND	1604	68.0	17.0	BLUFF CREEK	A 869
BLUFF CREEK	1610	250.0	22.0	SHACKELFORD CO. REG.	294G
COOK SAND	1700	450.0	22.0	LEUDERS, E. (COOK)	184G
MORAN SAND	2164	152.0	19.0	SHACKELFORD CO. REG.	A1170
ARITHMETIC AVERAGE	1116	221.6	20.7		
GEOMETRIC AVERAGE		112.5			
MEDIAN VALUE		120.0	21.0		
MODE		127.5	21.5		
IDEAL SPECIFIC FLOW RATE =	1.7 GPM/FT				
CISCO GROUP					
HOPE LIME	885	26.6	16.2	SHACKELFORD CO. REG.	A0570
CISCO SAND	1000	100.0	14.0	SHACKELFORD CO. REG.	315G
HOPE	1050	210.0	23.0	SHACKELFORD CO. REG.	274G
HOPE	1200	160.0	19.0	SHACKELFORD CO. REG.	268G
LOWER HOPE LIME	1375	40.0	20.0	SHACKELFORD CO. REG.	257G
ARITHMETIC AVERAGE	1102	107.3	18.4		
GEOMETRIC AVERAGE		81.4			
MEDIAN VALUE		100.0	19.0		
MODE		29.7	14.5		
IDEAL SPECIFIC FLOW RATE =	0.4 GPM/FT				
CANYON GROUP					
CANYON	1608	32.0	17.6	SHACKELFORD CO. REG.	A 671
MORAN SAND	2150	502.0	18.0	SHACKELFORD CO. REG.	293G
MORAN SAND	2180	100.0	20.0	SHACKELFORD CO. REG.	260G
ARITHMETIC AVERAGE	1979	211.3	18.5		
GEOMETRIC AVERAGE		117.1			
MEDIAN VALUE		100.0	18.0		
MODE		37.1	17.7		
IDEAL SPECIFIC FLOW RATE =	1.0 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAW, GROUP					
FRY SAND	41.0	4.0-8	20.0	SHACKELFORD CO. REG.	A0271
FRY SAND	433	40.0	20.0	SHACKELFORD CO. REG.	A1170
UPPER FRY SAND	465	105.0	24.0	SHACKELFORD CO. REG.	A0870
FRY SAND	540	60.0	20.0	SHACKELFORD CO. REG.	A1170
UPPER FRY	1228	64.0	18.0	NAIL TRACT 2	202G
FRY SAND (UPPER)	1228	64.0	18.0	SHACKELFORD CO. REG.	201G
FRY, UPPER SAND	1300	70.0	18.2	NAIL TRACT 2	62A1
STRAW	2100	250.0	18.9	MOKAN	90AG
STRAW SAND	2977	77.0	15.8	COOK HANCH	102AM
GARDNER SAND	3372	108.0	15.0	SHERRY-ANN	65A1
CADDO	3528	9.6	17.5	SHACKELFORD CO. REG.	A0271
GARDNER	3657	94.0	12.6	V. G., EAST	79AF
GARDNER	3900	62.0	14.0	WINDHAM	92AM
ARITHMETIC AVERAGE	1934	80.9	17.8		
GEOMETRIC AVERAGE		64.7			
MEDIAN VALUE		64.0	18.0		
MODE		59.5	17.7		
IDEAL SPECIFIC FLOW RATE =	1.6 GPM/FT				

LAKES					
LAKE NAME	DEPTH	PERMEABILITY	POROSITY	LOCATION	REF.
LAKES					
LAKE SAND	3910	5.9	16.5	SOUTH SEDWICK	A0871
LAKE SAND	4041	8.0	14.8	RATTLE-SNAKE MT.	223G
ARITHMETIC AVERAGE	3975	6.9	15.6		
GEOMETRIC AVERAGE		6.9			
MEDIAN VALUE		8.0	16.5		
MODE		6.0	14.9		
IDEAL SPECIFIC FLOW RATE =	0.5 GPM/FT				

MISSISSIPPIAN SYSTEM, UNDIFFERENTIATED

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
MISSISSIPPIAN SYSTEM, UNDIFFERENTIATED					
MISSISSIPPIAN REEF	3200	25.0	10.0	GEM, NORTH-EAST	82AD
MISSISSIPPIAN REEF	4370	90.0	8.5	PANNEL	83AD
MISSISSIPPIAN	4478	75.0	13.0	FORT GRIFFIN, EAST	50AS
MISSISSIPPIAN	4495	90.0	12.0	SLOAN, SOUTH	92AG
MISSISSIPPIAN	4500	25.0	12.0	SANDERS-BURCHARD	43AO
MISSISSIPPI	4520	8.0	6.0	RANCH VIEW, SW	45AP
MISSISSIPPIAN	4536		8.0	SCHKAGE	87AD
4500 MISSISSIPPIAN	4558		6.0	DOKOTHY SUE, SE	40AO
MISSISSIPPIAN	4572		3.5	MACKAY	70AE
MISSISSIPPIAN	4700	25.0	8.0	ALHANY	A 269
ARITHMETIC AVERAGE	4395	44.3	9.7		
GEOMETRIC AVERAGE		35.8			
MEDIAN VALUE		25.0	8.5		
MODE		23.9	6.4		
IDEAL SPECIFIC FLOW RATE =	2.1 GPM/FT				

SALINE WATER RESOURCES SURVEY

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SMITH COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOODBINE GROUP					
WOODBINE SAND	4000	439.0	28.2	GOODUMEN	178AL
WOODBINE	3965	840.0	25.0	GOOD OMEN	A 369
WOODBINE	4008	439.0	28.2	GOOD OMEN	73AM
ARITHMETIC AVERAGE	3991	572.7	27.1		
GEOMETRIC AVERAGE		545.0			
MEDIAN VALUE		439.0	28.2		
MODE		453.7	28.0		
IDEAL SPECIFIC FLOW RATE =	36.5 GPM/FT				
FREDERICKSBURG (EDWARDS UNDIVIDED) GROUP					
PALUXY	7058	277.0	17.9	SAND FLAT	A 469
7100 PALUXY	7100	175.0	18.0	TYLER EAST	29AQ
PALUXY	7200	268.0	19.7	HITT LAKE	74AN
PALUXY (CHISUM)	7200	133.0	20.0	SAND FLAT	48F
PALUXY	7200	268.0	20.0	HITTS LAKE (PALUXY)	27F
PALUXY	7250	400.0	23.0	SHAMBURGER LAKE	97AJ
PALUXY	7250	200.0	21.3	SHAMBURGER LAKE	49F
PALUXY SANU	7300	200.0	71.3	SHAMBURGER LAKE	78AD
PALUXY	7307	268.0	20.0	HITT LAKE	180AL
CHISUM SAND	7316	133.0	20.0	SAND FLAT	57AE
PALUXY	7335	150.0	21.3	SHAMBURGER LAKE	A 269
PALUXY	7349	150.0	21.3	SHAMBURGER LAKE	A 370
PALUXY	7349	150.0	21.3	SHAMBURGER LAKE	A 769
PALUXY	7454	203.0	17.5	NEW HARMONY	64AR
PALUXY*SEG.2	7486	170.0	15.0	TYLER	28AQ
PALUXY*SEGMENT 2	7486	170.0	15.0	TYLER	48AS
PALUXY	7500	150.0	18.0	TYLER SOUTH	67AF
PALUXY ZONE	7550	350.0	19.0	BUUD LEE	50AC
PALUXY SAND	7600	457.0	20.7	MOLLY-JANE	75AD
BANKHEAD PALUXY	7800	199.0	20.1	TYLER WEST	56AC
ARITHMETIC AVERAGE	7354	223.5	22.0		
GEOMETRIC AVERAGE		208.9			
MEDIAN VALUE		200.0	20.0		
MODE		141.7	17.8		
IDEAL SPECIFIC FLOW RATE =	31.5 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	TRISSITY GROUP	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
FRIENDLANDER RODESSA	7664		21.0	14.2		69A6
MIDDLE RODESSA	7753		35.0	14.2	CHAPEL HILL JERNIGAN	A 370
ARITHMETIC AVERAGE GEOMETRIC AVERAGE MEDIAN VALUE MODE	7718		29.7 27.1 35.8 21.6	14.2 14.2 14.2 14.2		
IDEAL SPECIFIC FLOW RATE =	5.2	GP/FT				
LOWER PETTET		SLIUC (PETTET) GROUP			GOOD OMEN	22F
ARITHMETIC AVERAGE GEOMETRIC AVERAGE MEDIAN VALUE MODE	8150		16.0 16.0 16.0 16.0	13.3 13.3 13.3 13.3		
IDEAL SPECIFIC FLOW RATE =	4.9	GP/FT				

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SOMERVELL COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
BEND GROUP					
BEND COGLOMERATE	6100	589.0	13.0	SHICK BEND	A1070
ARITHMETIC AVERAGE	6100	589.0	13.0		
GEOMETRIC AVERAGE		589.0	13.0		
MEDIAN VALUE		589.0	13.0		
MODE		589.0	13.0		
IDEAL SPECIFIC FLOW RATE = 106.5 GPM/FT					

TEXAS WATER DEVELOPMENT BOARD
SALINE WATER RESOURCES SURVEY

OF THE
STATE OF TEXAS
AQUIFER ROCK PROPERTIES
STARR COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUEYDAN-CATAHOULA GROUP					
UPPER 1400 FT	1400	900.0	35.0	RICABY	1820
LOWER 1400 FT	1400	900.0	39.0	RICABY	1830
FROST A	3400	427.0	29.0	GARCIA (FROST A)	810
3500 FT (FRIO C)	3590	180.0	24.0	WALNCON C 3500 SAND	A 270
3580 FT. (FRIO)	3594	40.0	25.4	WALNCON 3580 FT.	A 270
FRIO D-7 SAND	3634	250.0	23.0	RINCON	A1069
SULLIVAN	3660	259.0	26.0	COASTAL-EAST	A 369
GARCIA SAND	3670	1220.0	30.0	GARCIA	A1070
GARCIA	3670	1280.0	30.0	GARCIA	800
GARCIA	3676	1285.0	30.0	GARCIA	A 569
GARCIA I + II	3748	.1	30.4	GARCIA	3748
MILLER (AL SAND)	3748	560.0	26.6	GARCIA	3848
MILLER (CI SAND)	3748	590.0	28.0	GARCIA	3948
SOLIS (SEG. 1,7+11)	3748	830.0	28.8	GARCIA	4048
FROST A RESERVOIR	3748	427.0	29.3	GRACIS	3248
MILLER B-VI	3809	250.0	30.0	GARCIA	A1070
MILLER C-I	3863	220.0	30.0	GARCIA	A1070
FRIO (H-9) 3950 FT	3950	350.0	26.0	RINCON	1870
4060 FT. SAND (FRIO)	4065	160.0	28.0	RINCON NORTH	A 869
MILLER (A)-X	4070	2000.0	26.4	GARCIA (MILLER(A)-X)	820
MILLER B 6 RESERVOIR	4100	560.0	28.0	GARCIA	3948
MILLER A II	4156	134.0	27.0	GARCIA (MILLER A II)	A 669
C-2 SOUTH II	4200	420.0	27.1	SUN,NORTH (C-2 SAND)	2390
D-1	4225	430.0	23.9	SUN	2320
MILLER	4250	425.0	24.0	BRAULIA (MILLER)	620
D-1 SAND (FRIO)	4282	127.0	25.0	SUN	A0271
C-2 RESERVOIR	4314	134.0	27.1	SUN, NORTH	5648
C-3-B	4316	431.6	21.0	SUN,NORTH (C-3-B)	2400
DD-4300 G SD (FRIO)	4350	185.0	28.1	NORTH RINCON	A0371
S-1 SAND	4365	230.0	20.2	RINCON,NORTH	1880
K-2	4466	110.0	22.3	KELSEY,K-2,3,4	1150
F-1-L SAND (FRIO)	4475	500.0	25.4	SUN	A0970
F-1-L (FRIO)	4482	500.0	25.4	SUN	A 171
F-4-D (FRIO)	4505	380.0	22.8	SUN	A 671
FRIO (E-3)	4568	210.0	29.3	RINCON	1850
XX-6	4600	355.0	24.0	SUN	2360
D-1 (SEG B)	4625	127.0	24.0	SUN	2340
D-2 (A)	4643	190.0	24.0	SUN	2350
D-1 (SEG A)	4650	465.0	24.0	SUN	2330
4700 FT. SAND (FRIO)	4675	214.0	23.0	STRONG	16441
4700 FT. SAND (FRIO)	4700	190.0	25.8	STRONG	6948

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GUEYDAN-CATAHOULA GROUP					
K-1	4750	106.0	20.5	KELSEY,K-1	113D
U-3-0	4810	218.0	19.5	SUN,NORTH (D-3-D)	242D
F-1(B)	4845	400.0	23.6	SUN	2370
F-4-D	4930	128.0	25.0	SUN	238D
JEWEL	4950	370.0	30.0	SUN, NORTH	50AF
JEWEL SAND (FRIO)	5036	372.0	24.9	SUN,NORTH (JEWEL)	244D
F-3-G	5050	339.0	22.1	SUN,NORTH (F-3-G)	243D
WAEAH SAND (FRIO)	5200	637.0	25.0	SUN,NORTH (WAEAH)	245D
5200 FT SAND (FRIO)	5200	600.0	25.0	SUN,NORTH (5200)	246D
18-A AND B(C) (FRIO)	5230	293.0	23.3	SUN, NORTH	63AH
SAENZ (D)	5349		24.0	KELSEY (DEEP)	A 370
ZANARINE	5391	59.0	23.0	SUN, NORTH	59AH
UPPER CLARK I	5400	100.0	26.0	EL BENADITO	10AN
UPPER CLARK I	5400	204.0	23.1	SUN,NORTH (CLARK)	241D
Z18-A+B(C) (FRIO)	5425	293.0	24.0	SUN, NORTH	57AH
5500 FT. SAND	5500		22.0	KELSEY	A0371
FRIO A-1	5520		26.2	SUN, NORTH	64AH
SAENZ (F)	5572	350.0	27.0	JAY SIMMONS	107D
SAENZ (G)	5573		23.4	SUN, NORTH	60AH
20-A (S)	5600	311.0	28.4	SUN, NORTH	61AH
ZONE 20-A (SE)	5600	311.0	21.6	KELSEY SOUTH 20-A(S)	126D
GUERRA	5628		21.8	KELSEY SOUTH	127D
19-B (S)	5673	610.0	26.1	SUN, NORTH	58AH
WEBLETT SAND	5695	830.0	23.0	KELSEY SOUTH 19-B(S)	123D
19-B(S) ZONE (FRIO)	5700	610.0	25.4	EL BENADITO	63AM
UPPER CLARK	5700	83.0	23.0	KELSEY, SOUTH	A1270
FRIO	5700	936.0	21.5	KELSEY, SOUTH	131D
ZONE 19-B(S) (FRIO)	5706	610.0	33.0	RINCON, NORTH	50AH
ZONE 19-B (S) (FRIO)	5706	610.0	23.0	KELSEY, SOUTH	A 670
FRIO	5816	311.0	23.0	KELSEY, SOUTH	A 671
G-21 SAND	6985	1875.0	21.8	KELSEY SOUTH	A0170
F-4 SAND	5068	436.0	29.5	STRATTON	55AH
			23.6	SUN, EAST	49AN
ARITHMETIC AVERAGE	4622	449.3	25.7		
GEOMETRIC AVERAGE		294.6			
MEDIAN VALUE		350.0			
MODE		525.9			
IDEAL SPECIFIC FLOW RATE =	63.3 GPM/FT				
VICKSBURG GROUP					
4900 FT RINCON	4950	1000.0	25.0	YTURRIA (4900 RINCON)	267D
VICKSBURG 1-E	5041	404.0	24.0	RINCON	27AO
VICKSBURG SAND	5323	284.0	21.5	RINCON	145AL
VICKSBURG	5323	284.0	21.5	RINCON	20AN

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VICKSBURG GROUP					
VICKSBURG	5420	20.0	12.0	RINCON VICKSBURG	A 1169
5750 FT. ZONE	5750	23.0	23.0	RINCON	484H
5800 FT.	5800	23.0	24.0	RINCON	494H
VICKSBURG SAND	6004	401.0	22.4	RINCON, NORTH	1466A
6100 FT. SAND	6100		28.5	SUN, NORTH	624H
WINGJOSA SAND	6132	309.0	26.6	JAY SIMMONS	524D
VICKSBURG III	7030		21.0	RINCON	354P
ARITHMETIC AVERAGE	5716	305.3	22.7		
GEOMETRIC AVERAGE		151.8			
MEDIAN VALUE		284.0	23.0		
PORE		24.8	21.1		
IDEAL SPECIFIC FLOW RATE =	4.5 GPM/FT				
JACKSON GROUP					
HOCKLEY SAND	670	189.0	28.1	KEYNA	A1070
NO. 3 HOCKLEY SAND	760	189.0	28.1	ALVAREZ	A1169
1100 FT SAND	1100	24.0	23.0	CHISPITA	474R
HOCKLEY 2170 FT	2170	300.0	27.0	SIXTO	434S
HOCKLEY	2229	106.0	25.0	SIXTO	A 369
HOCKLEY SAND	4598	228.0	26.5	JONES, EAST	108AL
ARITHMETIC AVERAGE	1921	172.7	26.3		
GEOMETRIC AVERAGE		135.6			
MEDIAN VALUE		189.0	27.0		
PORE		207.0	27.8		
IDEAL SPECIFIC FLOW RATE =	6.1 GPM/FT				
CLAIBORNE GROUP					
CLERK SAND	760	1170.0	30.5	EL PUERTO, NORTH	364S
0 HERN SAND	2260	1222.0	34.1	WARE	166AL
0 HERN SAND	2266	1222.0	34.1	WARE	62AN
0 HERN SAND	2300	312.0	31.8	EL JAVALI	944L
3950 FT SAND	3937		27.0	GREGG WOOD, SOUTH	374S
3950 FT. SAND	3950	150.0	20.0	GREGG WOOD, SOUTH	404C
ARITHMETIC AVERAGE	2579	815.2	29.6		
GEOMETRIC AVERAGE		606.1			
MEDIAN VALUE		1170.0	31.8		
PORE		1106.4	33.4		
IDEAL SPECIFIC FLOW RATE =	50.8 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
LOS OLMOS	450	900.0	32.0	LOS OLMOS	151D
ARITHMETIC AVERAGE	450	900.0	32.0		
GEOMETRIC AVERAGE		900.0			
MEDIAN VALUE		900.0	32.0		
MODE		900.0	32.0		
IDEAL SPECIFIC FLOW RATE =	4.4	GPM/FT			

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STEPHENS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENNSYLVANIAN	3218	11.7	14.5	STEPHENS CO. REGULAR	A 670
ARITHMETIC AVERAGE	3218	11.7	14.5		
GEOMETRIC AVERAGE		11.7			
MEDIAN VALUE		11.7			
MODE		11.7			
IDEAL SPECIFIC FLOW RATE =	.7 GPM/FT				
STRAWN GROUP					
STRAWN SAND	1760	15.0	18.0	STEPHENS CO. REGULAR	3236
STRAWN SAND	1770	135.0	20.5	STEPHENS CO. REGULAR	3256
STRAWN SAND	1797	45.0	18.0	JACKSON-STRAWN	A0970
STRAWN SAND	1850		19.6	STEPHENS CO. REGULAR	3356
STRAWN SAND	2300		25.0	STEPHENS CO. REGULAR	3396
STRAWN SAND	2800	2.0	10.9	STEPHENS CO. REGULAR	3306
STRAWN SAND	2830	73.2	17.7	LENOIR	A1069
STRAWN SAND	2840	73.0	17.7	LENOIR	A 369
STRAWN SAND	2850	73.0	17.7	LENOIR	1836
CADDO LIMESTONE	3100	31.0	3.0	STEPHENS CO. REGULAR	3416
CADDO LIME	3100	122.0	19.0	STEPHENS CO. REGULAR	3316
CADDO LIMESTONE	3100	12.0	14.9	STEPHENS CO. REGULAR	3326
CADDO LIME	3100	12.0	14.5	STEPHENS CO. REGULAR	3346
CADDO LIMESTONE	3130	12.0	14.9	STEPHENS CO. REGULAR	3276
CADDO LIMESTONE	3150	15.0	13.7	STEPHENS COUNTY REG.	A0170
CADDO REEF	3150	10.0	14.5	STEPHENS COUNTY REG.	A0271
CADDO REEF	3150	9.6	17.5	STEPHENS COUNTY REG.	A0371
CADDO	3150	15.0	13.7	STEPHENS COUNTY REG.	A1170
CADDO LIME	3165	9.6	17.5	STEPHENS CO. REGULAR	A 869
CADDO REEF	3200	11.7	14.5	STEPHENS COUNTY REG.	A0970
CADDO LIME	3200	12.0	14.5	STEPHENS CO. REGULAR	3296
CADDO REEF	3200	12.0	14.5	STEPHENS CO. REGULAR	3336
CADDO REEF	3218	11.7	14.5	STEPHENS CO. REG.	A 769
CADDO REEF	3218	11.7	14.5	STEPHENS CO. REGULAR	A 869
UPPER CADDO	3220	25.0	10.0	COUNTY REGULAR	A 469
CADDO	3238	11.7	14.5	STEPHENS COUNTY REG.	A0371
STRAWN	3300	363.0	20.1	STEPHENS CO. REGULAR	3386
CADDO LIME	3330	12.0	14.9	STEPHENS CO. REGULAR	3246
CADDO	3341	350.0	22.0	NORTHEAST AREA	2096

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAWN GROUP					
CADDO	3735		4.8		
CONGLOMERATE	3960	497.0	20.6	WOODSON-ALLISON WALKER-DAVIS	67AI 80AF
ARITHMETIC AVERAGE	2976	70.8	15.7		
GEOMETRIC AVERAGE		26.2			
MEDIAN VALUE		15.0	14.9		
MODE		14.3	15.1		
IDEAL SPECIFIC FLOW RATE =	0.7 GPM/FT				
BEND GROUP					
LAKE SAND	3460	110.0	25.0		
RANGER SAND	3750		15.0		
CONGLOMERATE (B) ZONE	3974	417.0	19.2	FLETCHER BIG SANDY DELONG	85AM 12G 108G
ARITHMETIC AVERAGE	3728	263.5	19.7		
GEOMETRIC AVERAGE		214.2			
MEDIAN VALUE		417.0	19.2		
MODE		117.8	15.5		
IDEAL SPECIFIC FLOW RATE =	9.0 GPM/FT				
MISSISSIPPIAN SYSTEM UNDIFFERENTIATED					
CONGLOMERATE	4001		17.0		
MISSISSIPPIAN	4150	40.0	10.9	JIM KERN EAST	67AE
MISSISSIPPIAN	4377		15.0	CRYSTAL FALLS	64AK
MISSISSIPPIAN	4412	1494.0	9.0	JIM KERN EAST BOWAR (MISS.)	66AE 17G
ARITHMETIC AVERAGE	4345	767.0	13.0		
GEOMETRIC AVERAGE		244.5			
MEDIAN VALUE		1494.0	15.0		
MODE		48.7	9.4		
IDEAL SPECIFIC FLOW RATE =	4.4 GPM/FT				

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STERLING COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WHITEHORSE GROUP					
QUEEN SAND	1100	47.0	22.4	PAROCHIAL-BADE	129AC
LOWER QUEEN SAND	1300	90.0	22.5	PAROCHIAL-BADE	121AC
QUEEN	1321	286.0	22.6	PAROCHIAL-BADE, WEST	108AS
ARITHMETIC AVERAGE	1240	141.0	22.5		
GEOMETRIC AVERAGE		106.6			
MEDIAN VALUE		90.0	22.5		
MODE		51.7	22.4		
IDEAL SPECIFIC FLOW RATE =	.7 GPM/FT				
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES	1700	80.0	18.0	PAROCHIAL-BADE	122AC
GLORIETA	1305		12.0	CLARK	117AG
GLORIETA	2000	115.0	21.0	PAROCHIAL-BADE	123AC
GOLRIETA	2100	190.0	16.0	PAROCHIAL BADE, ESST	142AD
ARITHMETIC AVERAGE	1776	128.3	16.7		
GEOMETRIC AVERAGE		120.5			
MEDIAN VALUE		115.0	18.0		
MODE		83.6	12.5		
IDEAL SPECIFIC FLOW RATE =	1.8 GPM/FT				
LEONARD (SUB-DIVIDED) SERIES UNDIFFERENTIATED					
CLEARFORK	2200	133.0	24.0	PAROCHIAL-BADE	119AC
CLEARFORK	2250	99.0	16.3	PAROCHIAL-BADE	392I
CLEARFORK	2400	133.0	23.4	PAROCHIAL-BADE	393I
CLEARFORK	2400	133.0	23.4	PAROCHIAL-BADE	394I
ARITHMETIC AVERAGE	2313	124.5	21.8		
GEOMETRIC AVERAGE		123.5			
MEDIAN VALUE		133.0	23.4		
MODE		131.1	23.6		
IDEAL SPECIFIC FLOW RATE =	4.1 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
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LEONARD (UNDIVIDED) SERIES UNDIFFERENTIATED

UPPER SPRABERRY	5026	25.0	16.0	COPE	85AA 9H
SPRABERRY	5100	25.0	16.4		
ARITHMETIC AVERAGE	5063	25.0	16.2		
GEOMETRIC AVERAGE		25.0			
MEDIAN VALUE		25.0	16.4		
MODE		25.0	16.0		
IDEAL SPECIFIC FLOW RATE =	2.2 GPM/FT				

WOLFCAMP SERIES UNDIFFERENTIATED

WOLFCAMP	7244	28.0	7.0	CREDO*SE CREDO CHEDO	64AO 87AA 87AC
WOLFCAMP	7300	28.0	10.0		
WOLFCAMP	7400	500.0	8.7		
ARITHMETIC AVERAGE	7315	185.3	8.6		
GEOMETRIC AVERAGE		73.2			
MEDIAN VALUE		28.0	8.7		
MODE		32.7	7.2		
IDEAL SPECIFIC FLOW RATE =	5.1 GPM/FT				

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WOLF CANYON SERIES UNDIFFERENTIATED					
TANNEHILL	2475		24.0	VGO	47AP
TANNEHILL	2500		20.0	VGO	387G
LOWER TANNEHILL	2600	338.0	19.3	CAROL ANN	71G
TANNEHILL, MID. SAND	2640	2.0	12.7	CLARICE	A0570
UPPER TANNEHILL	2648	51.0	20.0	CAROL ANN	81AG
TANNEHILL	3102	800.0	23.0	GLORA GAY, WEST	85AH
ARITHMETIC AVERAGE	2601	297.7	19.0		
GEOMETRIC AVERAGE		72.5			
MEDIAN VALUE		338.0	20.0		
MODE		2.8	20.0		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				
CISCO GROUP					
SWASTIKA SAND	3200		20.0	BIGGS (SWASTIKA)	11G
3800 FT. CISCO	3800		16.3	FLAT TOP 166	65AE
ARITHMETIC AVERAGE	3500		18.1		
GEOMETRIC AVERAGE			20.0		
MEDIAN VALUE			16.5		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				
CANYON GROUP					
CANYON	4000	23.0	44.1	FLOWERS (CANYON)	124G
CANYON SAND	4024	17.0	16.8	FLOWERS (CANYON)	126G
CANYON SAND	4100	17.0	16.8	FLOWERS (CANYON)	127G
CANYON SAND	4200	15.0	15.0	FLOWERS (CANYON)	128G
CANYON SAND	4268	16.0	16.0	GUEST	A 369
CANYON SAND	4270	14.0	15.7	FLOWERS WEST	A 269
CANYON SAND	4300	14.0	15.4	FLOWERS (CANYON)	125G
CANYON	4341	14.0	15.7	FLOWERS (CANYON)	129G
CANYON SAND	4358	15.0	14.0	FLOWERS (CANYON)	123G
CANYON SAND	4406	13.0	16.7	FRANKIRK, EAST	70AF
CANYON SAND	4413	16.0	16.0	GUEST (CANYON SAND)	A 869

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CANYON GROUP					
CANYON SAND	4560	16.0	16.0	GUEST	A1070
CANYON SAND	4800	20.0	15.0	TOMPKINS (4900 FT)	3826
CANYON SAND	4884	20.0	14.5	TOMPKINS (4900)	A 469
CANYON SAND	4900	22.0	15.2	TOMPKINS	119AJ
4900 FT CANYON SAND	4900	20.0	14.5	TOMPKINS	381G
CANYON SAND	4926	40.0	18.0	ASPERMONT LAKE	97AN
CANYON REEF	4728	.9	9.0	BOYD	31AQ
CANYON REEF	4750	5.0	10.5	FRANKIRK, NORTH	104AJ
ARITHMETIC AVERAGE	4483	16.7	16.6		
GEOMETRIC AVERAGE		14.1			
MEDIAN VALUE		16.0	15.7		
MODE		15.8	14.3		
IDEAL SPECIFIC FLOW RATE =	1.1 GPM/FT				
STRAWN GROUP					
FIRST STRAWN	4800	119.0	17.7	KATZ	172G
STRAWN	4949	207.0	17.4	KATZ	110AN
THIRD STRAWN	5070	50.0	15.8	KATZ (5100 FT)	173G
STRAWN	5100	56.0	15.4	KATZ	111AN
SECOND STRAWN	5192	263.0	20.1	KIOWA PEAK (STRAWN)	177G
STRAWN	5200	65.0	16.0	ASHMORE	102AJ
1ST STRAWN	5214	200.0	18.0	KIOWA PEAK	35AJ
2ND STRAWN	5237	225.0	20.0	KIOWA PEAK	36AD
STRAWN SAND	5244	16.0	13.4	TOMPKINS	83AK
STRAWN SAND	5280	18.0	13.4	TOMPKINS, EAST	384G
STRAWN SAND	5300	18.0	13.3	TOMPKINS (STRAWN)	383G
STRAWN	5385	17.0	13.8	DAVAN (STRAWN)	105G
UPPER STRAWN SAND	5388	17.3	13.8	DAVAN	58AC
STRAWN SAND	5392	17.3	13.8	DAVAN	A 389
STRAWN SAND	5450	154.0	19.2	BISSETT, EAST	ROAD
STRAWN	5600	55.0	18.0	FUZZ	105AJ
STRAWN REEF	5513	40.0	14.0	BISSETT RANCH	61AE
ARITHMETIC AVERAGE	5254	90.8	16.1		
GEOMETRIC AVERAGE		56.0			
MEDIAN VALUE		56.0	15.8		
MODE		18.6	13.6		
IDEAL SPECIFIC FLOW RATE =	1.6 GPM/FT				
BEND CONGLOMERATE					
BEND GROUP					
	5812		18.5	OLD GLORY	75AK

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
 STONEMAN COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
BEND GROUP					
BEND CONGLOMERATE	5950	49.00	16.4	OLD GLORY	2166
CONGLOMERATE	5865	20.0	16.0	OLD GLORY	2176
BEND CONGLOMERATE	5884	15.0	13.0	COXSICANA (BEND)	1026
CONGLOMERATE	6000	55.0	14.3	BOYD	11270
CONGLOMERATE	6000	20.0	15.0	ASHMORE	101AJ
BEND CONGLOMERATE	6002	224.0	16.8	OLD GLORY	114AN
BEND CONGLOMERATE	6050	45.0	14.7	BOYD	101AN
BEND CONGLOMERATE	6050	15.0	17.0	ASHMORE CONGLOMERATE	36
BEND (CONG.)	6050	5.0	14.4	BOYD (CONG.)	196
CONGLOMERATE	6054	17.0	15.6	PUMPHREY, NORTH	65AC
BEND CONGLOMERATE	6100	1456.0	17.2	SCHICK	196AL
BEND CONGLOMERATE	6200	80.0	12.4	HERTHA	63AK
CONGLOMERATE	6205	500.0	17.7	GLOHIA GAY, WEST	58AI
ARITHMETIC AVERAGE	6009	192.4	15.6		
GEOMETRIC AVERAGE		50.0			
MEDIAN VALUE		45.0	16.0		
MODE		21.5	14.5		
IDEAL SPECIFIC FLOW RATE =	2.3 GPM/FT				

ELLENBURGER GROUP					
ELLENBURGER	6048	25.0	3.5	FRANKIRK, EAST	71AF
ELLENBURGER	6051	23.0	4.6	FRANKIRK	106AN
ELLENBURGER	6351	100.0	12.5	GLOHIA GAY, WEST	84AH
ELLENBURGER	6351	15.0	10.3	GLOHIA GAY, WEST	32AO
ELLENBURGER	6440	81.0	14.6	MULLEN HATCH	61AC
ARITHMETIC AVERAGE	6248	48.8	9.1		
GEOMETRIC AVERAGE		37.1			
MEDIAN VALUE		25.0	10.3		
MODE		24.2	4.1		
IDEAL SPECIFIC FLOW RATE =	2.6 GPM/FT				

T E X A S W A T E R D E V E L O P M E N T P R O J E C T
 SALINE WATER RESOURCES SURVEY

OF THE
 STATE OF TEXAS
 AQUIFER ROCK PROPERTIES
 SUTTON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CANYON GROUP					
2800 CANYON	2800	49.0	7.7	FORT TERRETT RANCH ROBERTS	76AR 57AA
CANYON SAND	3740		14.0		
ARITHMETIC AVERAGE	3270	49.0	10.8		
GEOMETRIC AVERAGE		49.0			
MEDIAN VALUE		49.0	14.0		
MODE		49.0	8.0		
IDEAL SPECIFIC FLOW RATE =	2.9 GPM/FT				
STRAWN GROUP					
STRAWN LIMESTONE	4600		8.0	ROBERTS ROBERTS	58AA 59AA
STRAWN SAND	4600		9.0		
ARITHMETIC AVERAGE	4600		8.5		
GEOMETRIC AVERAGE					
MEDIAN VALUE			9.0		
MODE			8.1		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				

T E X A S W A T E R D E V E L O P M E N T B O A R D
SALINE WATER RESOURCES SURVEY

OF THE
STATE OF TEXAS
AQUIFER ROCK PROPERTIES
TAYLOR COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CLAIBORNE GROUP					
UPPER OOK	2309	306.0	24.5	CHEATHAM	8346
ARITHMETIC AVERAGE	2309	306.0	24.5		
GEOMETRIC AVERAGE		306.0			
MEDIAN VALUE		306.0	24.5		
MODE		306.0	24.5		
IDEAL SPECIFIC FLOW RATE =	9.5 GPM/FT				
WOLFCAMP SERIES UNDIFFERENTIATED					
DOTHAN SAND	1573	200.0	24.8	TAYLOR CO. REGULAR	3496
DOTHAN SAND	1648	250.0	20.0	LA GORCE	69AE
SADDLE CREEK	1700	200.0	23.0	CALDWELL RANCH	356
FLIPPEN	1770	20.0	12.0	TAYLOR CO. REGULAR	3486
FLIPPEN SAND	1790	20.0	20.0	TAYLOR CO. REGULAR	3576
FLIPPEN	1800	12.0	12.0	TAYLOR CO. REGULAR	3476
FLIPPEN	1825	762.0	23.0	TAYLOR CO. REGULAR	3516
FLIPPEN MOUTRAY, COOK	1875	13.0	10.7	LAKE KIRBY	1796
COOK SAND	1933	10.0	16.8	TAYLOR CO. REGULAR	3506
DOJAN SAND	1955	288.0	20.7	TYE, SOUTHWEST	964H
DOTHAN SAND	2000	288.0	20.7	TYE, SOUTHWEST	66AI
FLIPPEN SAND	2070	392.0	21.0	TAYLOR CO. REGULAR	3556
FLIPPEN SAND	2100		20.0	TAYLOR CO. REGULAR	3536
FLIPPEN SAND	2100	782.0	22.0	TAYLOR CO. REGULAR	198AL
COOK SAND	2140	50.0	15.0	TUSCOLA, NORTH	A 369
COOK SAND	2140	50.0	15.0	TAYLOR COUNTY REG.	A 569
DOTHAN SAND	2200	200.0	20.0	PATTERSON	2206
FLIPPEN SAND	2230	200.0	20.0	REDDIN UNIT	2266
DOTHAN UPPER SAND	2250	600.0	22.0	PATTERSON, SOUTH	2216
TANNERHILL	2253	180.0	18.5	PATTERSON, SOUTH	1126
UPPER DOTHAN	2260	600.0	22.0	DYESS (TANN SAND)	91AM
FLIPPEN	2274	576.0	25.0	CHEATHAM	824G
FLIPPEN SAND	2300	190.0	22.4	TAYLOR CO. REGULAR	3546
FLIPPEN	2350	19.0	14.6	LAKE ABILENE	88AM
FLIPPEN	2355	42.0	17.2	LAKE ABILENE	1786
FLIPPEN SAND	2600	228.0	22.0	REED-ELLIOTT	2286
FLIPPEN SAND	2600	205.0	20.4	REID-ELLIOTT	63AI
FLIPPEN SAND	2642	254.0	23.0	TAYLOR CO. REGULAR	3546
FLIPPEN SAND	2786	20.0	13.0	WHITE	A1270

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS

TAYLOR COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
VOLFCAMP SERIES UNDIFFERENTIATED					
IVEY SAND	2800	50.0	16.0	TAYLOR CO. REGULAR	3598
FLIPPEN LIME	2800		5.0	BLACK (FLIPPEN)	136
FLIPPEN SAND	2870	161.0	11.7	58D (FLIPPEN SAND)	2396
FLIPPEN SAND	3035	50.0	18.0	TAYLOR COUNTY REG.	A1270

ARITHMETIC AVERAGE	2213	230.0	18.4		
GEOMETRIC AVERAGE		123.4			
MEDIAN VALUE		200.0	20.0		
MODE		174.1	20.0		
IDEAL SPECIFIC FLOW RATE =	5.3 GPM/FT				

PENNSYLVANIAN SYSTEM UNDIFFERENTIATED

FRAZIER 11	2703	30.0	12.0	GIBSON	854G
ARITHMETIC AVERAGE	2703	30.0	12.0		
GEOMETRIC AVERAGE		30.0			
MEDIAN VALUE		30.0	12.0		
MODE		30.0	12.0		
IDEAL SPECIFIC FLOW RATE =	1.2 GPM/FT				

CISCO GROUP

MCKILLAN SAND	2670	20.0	19.0	TAYLOR CO. REGULAR	358G
HOPE LIME	2750	2.5	8.7	NEW SEVEN	91AG
MCKILLAN SAND	2780	42.0	16.2	TAYLOR CO. REGULAR	352G
ARITHMETIC AVERAGE	2733	21.5	14.6		
GEOMETRIC AVERAGE		12.8			
MEDIAN VALUE		20.0	16.2		
MODE		2.9	9.2		
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT				

CANYON GROUP

SABRA (CROSS CUT)	4070	18.0	6.1	SABRA (CROSS CUT)	240G
CROSS OUT	4272	407.0	18.5	HERBER	69AK
CROSS OUT	4300	262.0	15.6	SHAFFER	317G
CROSS OUT SAND	4363	300.0	15.6	SHAFFER	118AJ
CROSS OUT	4400	134.0	16.2	MORO	61AI
CROSS OUT SAND	4411	250.0	16.5	MORO (CROSS CUT)	198G
CROSS OUT	4506	322.0	16.2	SEARS	55AS

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
TAYLOR COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
C ₄ NYON GROUP					
CANYON REEF	3514	836.0	10.0	LAIL	R9AG
CROSS CUT	4092	18.0	6.1	SABRA	73AE
CROSS OUT	4300	262.0	15.6	SHAFFER	A0470
ARITHMETIC AVERAGE	4223	280.9	13.6		
GEOMETRIC AVERAGE		173.3			
MEDIAN VALUE		262.0	15.6		
MODE		222.2	15.4		
IDEAL SPECIFIC FLOW RATE =	16.9 GPM/FT				
STRAWN GROUP					
UPPER FRY SAND	3260	262.0	15.6	SANROB (FRY, UPPER)	241G
GRAY SAND	3912	30.0	16.0	ROBERTSON-GRIFFIN	71AE
JENNINGS	4030	150.0	14.7	LAWN, SW	1R2G
FRY SAND	4198	391.0	16.2	AUDRA	55AI
GARDNER	4200	50.0	15.0	SAXON-GUION	242G
FRY SAND	4248	50.0	12.0	DYESS	84AG
UPPER FRY	4251	137.0	13.7	SANROB	94AH
GARDNER LIME	4318	42.0	11.2	EXTRA POINT	63AE
CAPPS LIME	4364	.3	11.0	THORNTON	A1069
GARDNER SAND	4386	66.0	15.7	EXTRA POINT	64AE
UPPER FRY	4400	50.0	14.0	JONI	86AG
CAPPS	4450	12.0	10.6	FREDERICKSON	130G
FRY 4500 FT	4500	175.0	16.0	GAY HILL	51AS
UPPER FRY SS	4506	322.0	16.2	SEARS (CROSS CUT)	70AC
GARDNER	4532	40.0	16.0	PROCTOR	64AC
UPPER FRY	4644	200.0	20.0	JOCELYN-VARN, SOUTH	68AE
MIDDLE FRY	4646	229.0	16.3	JOCELYN-VARN	89AH
GRAY SAND	4650	20.0	12.0	TAYLOR COUNTY REG.	A0970
FRY SAND	4666	15.8	14.9	JOCELYN-VARN	59AI
UPPER FRY	4701	50.0	14.0	SHEP	78AF
UPPER FRY	4728	19.0	17.0	KISSELL	90AH
GRAY SAND	4861	155.0	16.2	HERBER	70AK
GOEN LIME	5000	160.0	11.0	TAYLOR COUNTY REG.	A 571
GRAY SAND	5310	52.0	12.0	SHEP	95AH
ARITHMETIC AVERAGE	4448	111.6	14.5		
GEOMETRIC AVERAGE		59.0			
MEDIAN VALUE		52.0	15.0		
MODE		69.3	15.8		
IDEAL SPECIFIC FLOW RATE =	5.7 GPM/FT				

OF THE
 STATE OF TEXAS
 AQUIFER ROCK PROPERTIES
 TERRELL COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOLFCAMP SERIES UNDIFFERENTIATED					
TANNEHILL SAND	2446	206.0	20.0	TAYLOR CO. REGULAR	A 369
ARITHMETIC AVERAGE		206.0			
GEOMETRIC AVERAGE	2446	206.0	20.0		
MEDIAN VALUE		206.0			
MODE		206.0			
IDEAL SPECIFIC FLOW RATE =	7.3 GPM/FT				
ELLENBURGER GROUP					
ELLENBURGER	14300	50.0	6.7	BROWN BASSETT	6AA
ARITHMETIC AVERAGE		50.0			
GEOMETRIC AVERAGE	14300	50.0	6.7		
MEDIAN VALUE		50.0			
MODE		50.0			
IDEAL SPECIFIC FLOW RATE =	32.6 GPM/FT				

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T E X A S W A T E R D E V E L O P M E N T B O A R D
SALINE WATER RESOURCES SURVEY

OF THE:

STATE OF TEXAS

AQUIFER ROCK PROPERTIES

TERRY COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES	4800	4.6	13.6	ADAIR	2J
SAN ANDRES	4884	5.1	11.4	ADAIR	107AH
SAN ANDRES	4940	11.1	10.2	SLAUGHTER	A0570
SAN ANDRES	4940	11.1	10.2	SLAUGHTER	A1070
SAN ANDRES	4940	11.1	10.2	SLAUGHTER	144J
SAN ANDRES	4963	3.7	11.5	WELCH	A 270
SAN ANDRES	4975	11.1	10.2	SLAUGHTER	A0271
SAN ANDRES	4999	11.1	10.2	SLAUGHTER	141J
SAN ANDRES	5000		11.0	SLAUGHTER	114J
SAN ANDRES	5000		11.0	SLAUGHTER	118J
SAN ANDRES	5000	5.0	24.3	SLAUGHTER	123J
SAN ANDRES	5000	7.0	12.0	SLAUGHTER	124J
SAN ANDRES	5029	11.1	10.2	SLAUGHTER	142J
SAN ANDRES	5050	11.1	10.2	SLAUGHTER	143J
SAN ANDRES	5550	1.5	13.0	WELLMAN	126AR
SAN ANDRES	5583	2.7	13.7	WELLMAN	66AP
SAN ANDRES	5600	2.8	11.7	REEVES	88J
SAN ANDRES	5623	2.8	11.7	REEVES	A 649
GLORIETA	5896	7.7	10.0	LEPER	134AH
GLORIETA	5922	10.0	11.8	PRENTICE	A1069
GLORIETA	5942	10.0	11.8	PRENTICE	A 370
GLORIETA	5950	10.0	11.5	PRENTICE	86J
ARITHMETIC AVERAGE	5254	7.2	12.0		
GEOMETRIC AVERAGE		5.7			
MEDIAN VALUE		10.0	11.5		
MODE		9.9	10.7		
IDEAL SPECIFIC FLOW RATE =		.8 GPM/FT			
LEONARD (SUB-DIVIDED) SERIES UNDIFFERENTIATED					
UPPER CLEARFORK	6450	15.2	6.2	PRENTICE (6700)	A1270
UPPER CLEARFORK	6486	15.2	6.2	PRENTICE	A1069
LOWER CLEARFORK	8000		4.5	PRENTICE	125AK
ARITHMETIC AVERAGE	6979	15.2	5.6		
GEOMETRIC AVERAGE		15.2			
MEDIAN VALUE		15.2	6.2		
MODE		15.2	6.1		
IDEAL SPECIFIC FLOW RATE =		1.9 GPM/FT			

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
TERRY COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOLFCAMP SERIES UNDIFFERENTIATED					
WOLFCAMP	8500	28.0	12.4	ADAIR	151AN
WOLFCAMP	8505	27.7	12.4	ADAIR (WOLFCAMP)	4J
WOLFCAMP	8505	27.7	12.4	ADAIR	69AO
WOLFCAMP	8850	20.0	11.2	ADAIR, NORTHEAST	210AL
WOLFCAMP	9800	231.0	7.5	WELLMAN	220AN
ARITHMETIC AVERAGE	8832	66.9	11.2		
GEOMETRIC AVERAGE		39.8			
MEDIAN VALUE		27.7	12.4		
MODE		29.1	12.2		
IDEAL SPECIFIC FLOW RATE =	5.1 GPM/FT				
CANYON GROUP					
CANYON	10118	110.0	6.0	BROWNFIELD	156AN
ARITHMETIC AVERAGE	10118	110.0	6.0		
GEOMETRIC AVERAGE		110.0			
MEDIAN VALUE		110.0	6.0		
MODE		110.0	6.0		
IDEAL SPECIFIC FLOW RATE =	24.1 GPM/FT				
HUNTON GROUP					
SILURO-DEVONIAN	12763	150.0	10.6	WELLMAN	124AR
ARITHMETIC AVERAGE	12763	150.0	10.6		
GEOMETRIC AVERAGE		150.0			
MEDIAN VALUE		150.0	10.6		
MODE		150.0	10.6		
IDEAL SPECIFIC FLOW RATE =	45.0 GPM/FT				
SILURIAN LOW-MID SERIES UNDIFFERENTIATED					
FUSSELMAN	11293	12.0	6.0	MOUND LAKE, NORTH	117AR
FUSSELMAN	11325	78.0	6.0	MOUND LAKE	92AE
FUSSELMAN	11615	7.5	4.9	CORRIGAN, EAST	76AS
FUSSELMAN	12600	28.0	9.0	WELLMAN	140AC
FUSSELMAN	12605	28.0	9.0	WELLMAN	125AR
ARITHMETIC AVERAGE	11888	171.1	7.0		
GEOMETRIC AVERAGE		33.3			
MEDIAN VALUE		28.0	6.0		
MODE		24.6	5.9		
IDEAL SPECIFIC FLOW RATE =	7.1 GPM/FT				

T E X A S W A T E R D E V E L O P M E N T B O A R D
SALINE WATER RESOURCES SURVEY

OF THE:

STATE OF TEXAS
AQUIFER ROCK PROPERTIES
THROCKMORTON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOLFCAMP SERIES UNDIFFERENTIATED					
FLIPPEN SAND	898	100.0	15.0	THROCKMORTON CO. REG	A0271
WOLFCAMP	979	40.0	22.9	THROCKMORTON CO. REG	A 671
TANNEHILL-LO,FR	1179	182.0	22.4	STONE RANCH	4440
TANNEHILL SAND	1235	25.0	22.0	THROCKMORTON CO. REG	A 569
FLIPPEN SAND	1252	1290.0	25.0	THROCKMORTON CO. REG.	3736
ARITHMETIC AVERAGE	1109	327.4	21.5		
GEOMETRIC AVERAGE		118.6			
MEDIAN VALUE		100.0	22.4		
MODE		31.0	22.5		
IDEAL SPECIFIC FLOW RATE =	.4 GPM/FT				
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENNSYLVANIAN	1062	30.3	20.7	THROCKMORTON CO. REG	A 171
CONGLOMERATE	4800	8.3	11.8	THROCKMORTON, SOUTH	118AU
ARITHMETIC AVERAGE	2931	19.3	16.3		
GEOMETRIC AVERAGE		15.9			
MEDIAN VALUE		30.3	20.7		
MODE		8.9	12.2		
IDEAL SPECIFIC FLOW RATE =	.4 GPM/FT				
CISCO GROUP					
GUNSIGHT SAND	475	41.5	15.0	THROCKMORTON CO. REG.	366G
CISCO	756	125.0	21.0	THROCKMORTON CO. REG	A 671
KING SAND	910	135.0	24.0	THROCKMORTON	A1070
KING SAND	925		20.0	THROCKMORTON CO. REG.	377G
ARITHMETIC AVERAGE	766	100.5	20.0		
GEOMETRIC AVERAGE		88.8			
MEDIAN VALUE		125.0	21.0		
MODE		127.5	15.5		
IDEAL SPECIFIC FLOW RATE =	1.1 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
THROCKMORTON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CANYON SAND					
LOWER PALO PINTO	1125 2365	40.0	25.0 20.0	DICKIE (CANYON) THROCKMORTON CO. REG.	1096 3638
ARITHMETIC AVERAGE	1745	40.0	22.5		
GEOMETRIC AVERAGE		40.0	25.0		
MEDIAN VALUE		40.0	20.3		
IDEAL SPECIFIC FLOW RATE =	.9 GPM/FT				
STRAWN SAND					
STRAWN SAND	2727	60.0	14.0	TIER STRAWN	3808
STRAWN SAND	2752	100.0	18.0	MCKEICHAN (STRAWN)	191G
STRAWN SAND	2845	40.0	20.0	BATCHELOR (STRAWN)	96
STRAWN SAND	3200	40.0	16.0	THROCKMORTON CO. REG.	3626
STRAWN SAND	3420	25.0	18.5	THROCKMORTON CO. REG.	A0271
STRAWN SAND	3890	60.0	15.5	KELTON (STRAWN)	174G
STRAWN SAND	3892	60.0	15.5	KELTON (STRAWN)	175G
STRAWN SAND	3892	60.0	22.0	KELTON (STRAWN)	176G
STRAWN SAND	4028	100.0	12.0	TRAVIS STRAWN	A 869
UPPER CADDO	4032	30.0	18.0	BEECEE	78AG
CADDO	4200	10.0	16.0	BAILES	4G
LOWER CADDO	4400	1.0	12.5	BOHNER-KIMBELL	16G
4765 CADDO	4416	1.0	10.0	BEECEE	79AG
	4765	255.0	8.0	TOM	69AR
ARITHMETIC AVERAGE	3747	66.7	15.4		
GEOMETRIC AVERAGE		38.3	16.0		
MEDIAN VALUE		60.0	15.7		
IDEAL SPECIFIC FLOW RATE =	4.2 GPM/FT				
BEND CONGLOMERATE					
CONGLOMERATE	4400		18.0	THROCKMORTON CO. REG.	369G
MARBLE FALLS CONG.	4750 4775		15.0 13.0	THROCKMORTON CO. REG.	371G 60AI
ARITHMETIC AVERAGE	4642		15.3		
GEOMETRIC AVERAGE			15.0		
MEDIAN VALUE			13.3		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
 THROCKMORTON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
MISSISSIPPIAN SYSTEM UNDIFFERENTIATED					
MISSISSIPPIAN CONGLOMERATE	4370 4326	88.0 8.3	17.0 11.8	DICK SCOTT GREATHOUSE N	103AJ 186AL
ARITHMETIC AVERAGE	4448	49.1	14.4		
GEOMETRIC AVERAGE		27.0	17.0		
MEDIAN VALUE		88.0	12.1		
MODE		9.4			
IDEAL SPECIFIC FLOW RATE =	.8 GPM/FT				

T E X A S W A T E R D E V E L O P M E N T B O A R D
SALINE WATER RESOURCES SURVEY

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TITUS COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
EAGLE FORD GROUP					
SUB-CLARKSVILLE	3003	1700.0	28.0	TRIX-LIZ	78AH
SUB-CLARKSVILLE	3012	710.0	35.0	TRIX-LIZ	57F
ARITHMETIC AVERAGE	3007	1205.0	31.5		
GEOMETRIC AVERAGE		1098.6			
MEDIAN VALUE		1700.0	35.0		
MODE		742.4	28.4		
IDEAL SPECIFIC FLOW RATE =	37.9 GPM/FT				
WOODBINE GROUP					
WOODBINE A	3063	200.0	31.2	TRIX-LIZ	A 569
WOODBINE (A)	3081	440.0	28.0	TRIX-LIZ	58F
WOODBINE (B)	3251	17.0	28.0	TRIX-LIZ	60F
WOODBINE (A)	3390	210.0	29.0	TRIX-LIZ	79AH
WOODBINE (A)	3400	301.0	30.0	TRIX-LIZ	59F
FIRST WOODBINE	3502	414.0	32.5	TRIX-LIZ, EAST	A 171
WOODBINE (B)	3588	60.0	30.0	TRIX-LIZ	80AH
WOODBINE	3635	50.0	28.0	TRIX-LIZ, EAST	A 370
WOODBINE	3664	1000.0	28.0	TRIX-LIZ	81AH
WOODBINE (C) ZONE	3670	260.0	30.0	TRIX-LIZ	AQ271
WOODBINE C ZONE	3680	260.0	30.0	TRIX-LIZ	A 769
WOODBINE (D)	3754	1200.0	28.0	TRIX-LIZ	82AH
WOODBINE (D)	3764	460.0	26.5	TRIX-LIZ	61F
ARITHMETIC AVERAGE	3496	374.8	29.2		
GEOMETRIC AVERAGE		227.5			
MEDIAN VALUE		260.0	29.0		
MODE		276.6	28.0		
IDEAL SPECIFIC FLOW RATE =	17.6 GPM/FT				
FREDERICKSBURG (EDWARDS UNDIVIDED) GROUP					
PALUXY	4500	1.0	25.0	TALCO	55AC
ARITHMETIC AVERAGE	4500	1.0	25.0		
GEOMETRIC AVERAGE		1.0			
MEDIAN VALUE		1.0	25.0		
MODE		1.0	25.0		
IDEAL SPECIFIC FLOW RATE =	0.1 GPM/FT				

T E X A S W A T E R D E V E L O P M E N T B O A R D
SALINE WATER RESOURCES SURVEY

OF THE

STATE OF TEXAS

AQUIFER ROCK PROPERTIES
TOM GREEN COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANGELO	816	150.0	18.0	ATKINSON*WEST	59AS
SAN ANGELO	830	287.0	23.6	ATKINSON WEST	A1069
ARITHMETIC AVERAGE	823	218.5	20.8		
GEOMETRIC AVERAGE		207.5			
MEDIAN VALUE		287.0	23.6		
MODE		155.0	18.3		
IDEAL SPECIFIC FLOW RATE =	1.4 GPM/FT				
CISCO GROUP					
CISCO CANYON	3830	7.0	20.5	DEVILS COURT HOUSE	120AJ
CISCO CANYON	4535	7.0	14.0	SUSAN PEAK	74AI
CISCO CANYON	4600	7.0	14.0	SUSAN PEAK	099H
ARITHMETIC AVERAGE	4322	7.0	16.2		
GEOMETRIC AVERAGE		7.0			
MEDIAN VALUE		7.0	14.0		
MODE		7.0	14.3		
IDEAL SPECIFIC FLOW RATE =	0.5 GPM/FT				
CANYON GROUP					
CANYON SAND	3800	25.0	13.3	YAN-KEE	115H
CANYON SAND	3850	67.0	15.9	YAN-KEE	98AK
CANYON	4232	21.0	12.5	SUSAN PEAK NORTH	103AH
CANYON LIME	4500	41.0	6.7	PECAN STATION	96AM
CANYON	4640	2.2	10.2	CHRISTOVAL	94AD
PALO PINTO	5408	80.0	10.0	KENKER	79AR
ARITHMETIC AVERAGE	4405	39.4	11.4		
GEOMETRIC AVERAGE		25.2			
MEDIAN VALUE		41.0	12.5		
MODE		23.1	9.9		
IDEAL SPECIFIC FLOW RATE =	1.7 GPM/FT				

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TOM GREEN COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAWN GROUP					
STRAWN LIME	4494	5.0	14.0	RUST, SOUTH	744C
STRAWN	4714	125.0	18.0	KENT	854F
MIDDLE STRAWN	4714	5.0	12.0	KENT	964D
STRAWN	4816		12.0	SUSAN PEAK, E.	524P
5020 FT. STRAWN	5020		14.0	ATRICE	914D
5100 FT. LOWER STRAWN	5100	40.0	12.9	CHRISTOVAL	764E
STRAWN	5415		8.0	BUBENIK	624S
STRAWN	5500	90.0	10.0	H-J	944M
5250 FT STRAWN	5296	72.0	13.3	MT. SUSAN SOUTH	58H
UPPER REEF	5505	44.0	8.5	KENKER	814R
REEF	5758	44.0	10.0	KENKER	804R
ARITHMETIC AVERAGE	5121	53.1	12.1		
GEOMETRIC AVERAGE		33.5			
MEDIAN VALUE		44.0	12.0		
MODE		41.0	13.5		
IDEAL SPECIFIC FLOW RATE =	3.9	GPM/FT			

OF THE
 STATE OF TEXAS
 AQUIFER ROCK PROPERTIES
 TYLER COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CLAIBORNE GROUP					
FIFTH COCKFIELD	490	1000.0	30.1	HILLISTER-EAST	30AH
FIRST COCKFIELD	5029	201.0	30.8	DRAKES BRANCH	11AO
1ST COCKFIELD	5029	201.0	30.8	DRAKES BRANCH	12AP
SECOND COCKFIELD	5128	173.0	31.1	DRAKES BRANCH	12AO
2ND COCKFIELD	5128	173.0	31.1	DRAKES BRANCH	13AP
3RD COCKFIELD	5249	279.0	31.5	DRAKES BRANCH	15AP
2-A COCKFIELD	5431	95.0	30.3	DRAKES BRANCH	14AP
ARITHMETIC AVERAGE	5128	303.1	32.0		
GEOMETRIC AVERAGE		228.0			
MEDIAN VALUE		201.0	31.1		
MODE		172.3	30.7		
IDEAL SPECIFIC FLOW RATE =	22.3 GPM/FT				
WILCOX GROUP					
7890 WILCOX	7890	95.0	24.0	RAMERS ISLAND	27AP
N 8400 FT WILCOX	8351	80.0	17.6	THEUENINS CREEK	86C
KIEKE (WILCOX)	8375	75.0	23.0	HOUSH	26AE
WILCOX SAND	8380	317.0	20.5	HYATT SOUTH	8AN
WILCOX	8400	67.0	20.6	THEUENINS CREEK	25AG
WILCOX	8400	43.0	19.3	THEUENINS CREEK	39AI
8400 FT. WILCOX	8400	80.0	17.6	THEUENINS CREEK	44AD
8400-8500 FT WILCOX	8420	135.0	18.0	THEUENINS CREEK	85C
WILCOX	8500	184.0	19.2	THEUENINS CREEK	21AH
8500 FT. WILCOX	8500	190.0	18.8	THEUENINS CREEK	45AD
ARITHMETIC AVERAGE	8362	126.6	19.9		
GEOMETRIC AVERAGE		107.0			
MEDIAN VALUE		95.0	19.3		
MODE		87.0	17.9		
IDEAL SPECIFIC FLOW RATE =	27.8 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD
SALINE WATER RESOURCES SURVEY

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STATE OF TEXAS
AQUIFER ROCK PROPERTIES
UPTON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WHITEHORSE GROUP					
QUEEN SAND	4400	30.0	18.0	CONCHO BLUFF, NORTH	141AJ
GRAYBURG	4425	54.9	17.1	CONCHO BLUFF NORTH	A0170
GRAYBURG	500	16.0	14.0	MCCAMEY	51H
GRAYBURG	1745		10.0	RODMAN-NOEL	98AM
GRAYBURG	1745		10.0	RODMAN-NOEL	144AN
GRAYBURG	2200	18.0	14.7	MCCAMEY	47H
GRAYBURG	2200	18.0	14.0	MCCAMEY	49H
GRAYBURG	2200	18.0	14.7	MCCAMEY	49H
GRAYBURG	2200	18.0	14.7	MCCAMEY	50H
GRAYBURG	2350	12.0	14.0	MCCAMEY	45H
GRAYBURG	3241	12.0	7.5	MIETHER	97AD
GRAYBURG--SAN ANDRES	3450	.2	13.0	MC ELROY	A 369
GRAYBURG--SAN ANDRES	3000	2.0	9.4	MC ELROY	3581
GRAYBURG--SAN ANDRES	3758	18.0	8.4	MC ELROY	A0870
ARITHMETIC AVERAGE	2672	18.1	12.5		
GEOMETRIC AVERAGE		10.9			
MEDIAN VALUE		18.0	14.0		
MODE		24.6	14.4		
IDEAL SPECIFIC FLOW RATE	= .8 GPM/FT				

GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED

SAN ANDRES	2087	10.0	15.0	MC CAMEY	A1070
2350 SAN ANDRES	2350	10.0	15.0	WEBB RAY	67AS

ARITHMETIC AVERAGE	2218	10.0	15.0		
GEOMETRIC AVERAGE		10.0			
MEDIAN VALUE		10.0	15.0		
MODE		10.0	15.0		
IDEAL SPECIFIC FLOW RATE	= .3 GPM/FT				

LEONARD (UNDIVIDED) SERIES UNDIFFERENTIATED

SPRABERRY	6740	1.0	12.0	BENEDUM	A1169
SPRABERRY	6800	1.0	14.0	SPRABERRY-TREND AREA	094H
SPRABERRY	6870	1.0	14.0	SPRABERRY TREND	A0371

TEXAS WATER DEVELOPMENT ROAD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
 UPTON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
LEONARD (UNDIVIDED) SERIES UNDIFFERENTIATED					
SPRABERRY	6947		12.0	SPRABERRY-TREND AREA	090H
SPRABERRY	7000	1.0	14.0	SPRABERRY-TREND	A0471
SPRABERRY	7000	1.0	14.0	SPRABERRY-TREND AREA	092H
SPRABERRY	7248	1.0	14.0	SPRABERRY-TREND AREA	096H
SPRABERRY	7450	1.0	14.0	SPRAYBERRY TREND	A 469
SPRABERRY	7600		8.0	PEGASUS	074H
SPRABERRY	7744	4.0	12.2	HAZEL	77AE
ARITHMETIC AVERAGE		1.4	12.8		
GEOMETRIC AVERAGE	7139	1.2			
MEDIAN VALUE		1.0	14.0		
MODE		1.1	13.7		
IDEAL SPECIFIC FLOW RATE =	0.2 GPM/FT				
WOLF CAMP SERIES UNDIFFERENTIATED					
WOLF CAMP	9090	69.0	13.5	AMACKER-TIPPETT	58AS
ARITHMETIC AVERAGE		69.0	13.5		
GEOMETRIC AVERAGE	9090	69.0			
MEDIAN VALUE		69.0	13.5		
MODE		69.0	13.5		
IDEAL SPECIFIC FLOW RATE =	14.5 GPM/FT				
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENNSYLVANIAN	9143		14.9	TEXEL	82AE
PENNSYLVANIAN	9450	11.0	14.1	BLOCK 42	92AD
PENNSYLVANIAN	9810	10.0	6.0	WILSHIRE	57AO
PENNSYLVANIAN	10500	9.2	6.7	PEGASUS	A1170
PENN	10500	9.0	6.7	PEGASUS	072H
ARITHMETIC AVERAGE		9.8	9.7		
GEOMETRIC AVERAGE	9881	9.8			
MEDIAN VALUE		10.0	6.7		
MODE		9.1	6.4		
IDEAL SPECIFIC FLOW RATE =	2.2 GPM/FT				
STRAWN GROUP					
STRAWN	7932		8.0	FRADEAN	55AO
STRAWN	9870	10.0	7.5	AMACKER-TIPPETT	57AS
ARITHMETIC AVERAGE		10.0	7.8		
GEOMETRIC AVERAGE	8901	10.0			
MEDIAN VALUE		10.0	8.0		
MODE		10.0	7.5		
IDEAL SPECIFIC FLOW RATE =	2.0 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS

UPTON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
BEND GROUP					
BEND	9009	42.8	8.4	FRANCO	77AR
BEND	9236	3.0	18.4	ADAMC	74AE
BEND	9450	10.8	14.1	BLOCK 42	84AA
BEND	9590	25.0	6.0	AMACKER-TIPPEIT. S	89AD
UPPER BEND	9590	25.0	6.5	AMACKER-TIPPEIT. S	90AD
10600 BEND	10637		6.0	AMACKER-TIPPEIT	38AG
ARITHMETIC AVERAGE	9585	21.3	9.9		
GEOMETRIC AVERAGE		15.4			
MEDIAN VALUE		25.0	8.4		
MODE		22.2	6.6		
IDEAL SPECIFIC FLOW RATE =	5.3 GPM/FT				

DEVONIAN SYSTEM UNDIFFERENTIATED

DEVONIAN	5224	2.6	14.0	CROSSETT, SOUTH	82AI
DEVONIAN	8310	1.0	12.0	FRADEAN	19AA
DEVONIAN	10600		12.7	ADAMC	93AA
DEVONIAN	10633	5.7	8.0	FRANCO	78AR
DEVONIAN	11150	13.0	9.7	WILSHIRE	108H
DEVONIAN	11550	1.0	7.0	PEGASUS	070H
DEVONIAN	11944	13.0	9.7	WILSHIRE	107H
ARITHMETIC AVERAGE	9916	6.0	10.4		
GEOMETRIC AVERAGE		3.7			
MEDIAN VALUE		5.7	9.7		
MODE		1.1	9.5		
IDEAL SPECIFIC FLOW RATE =	0.3 GPM/FT				

SILURIAN LOW-MID SERIES UNDIFFERENTIATED

FUSSELMAN	12100	16.0	5.0	PEGASUS	71AC
ARITHMETIC AVERAGE	12100	16.0	5.0		
GEOMETRIC AVERAGE		16.0			
MEDIAN VALUE		16.0	5.0		
MODE		16.0	5.0		
IDEAL SPECIFIC FLOW RATE =	5.6 GPM/FT				
ELLENBURGER GROUP					
ELLENBURGER	10145		5.0	FRADEAN	20AA

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
 UPTON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
ELLENBURGER GROUP					
ELLENBURGER	10590	10.0	4.8	HELUMA	121AJ
ELLENBURGER	11700	9.0	20.0	KING MOUNTAIN	90AK
ELLENBURGER	11775	9.0	2.0	KING MOUNTAIN	123AJ
ELLENBURGER	11890	23.0	5.5	AMACKER-TIPPETT	56AS
ELLENBURGER	11944	17.0		WILSHIRE	104AH
ELLENBURGER	12000	17.0	1.9	WILSHIRE	109H
ARITHMETIC AVERAGE	11435	14.2	6.5		
GEOMETRIC AVERAGE		13.2			
MEDIAN VALUE		17.0			
MODE		9.4			
IDEAL SPECIFIC FLOW RATE =	2.9 GPM/FT				

SALINE WATER RESOURCES SURVEY

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VAL VERDE COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
FREDERICKSBURG (EDWARDS UNDIVIDED) GROUP					
PALUXY SAND	390	1200.0	30.0	MASSIE, WEST	A 0471
PALUXY	390	1200.0	30.0	MASSIE WEST (PALUXY)	38A
PALUXY	390	1200.0	30.0	MASSIE WEST (PALUXY)	39A
ARITHMETIC AVERAGE	390	1200.0	30.0		
GEOMETRIC AVERAGE		1200.0			
MEDIAN VALUE		1200.0			
MODE		1200.0			
IDEAL SPECIFIC FLOW RATE =	4.7 GPM/FT				

JUL 1971

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AQUIFER ROCK PROPERTIES

VAN ZANDT COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
NAVARRO GROUP					
NACATOOH SHALLOW	1200 1258 1303	2000.0 34.0 34.0	30.0 28.0 28.0	VAN (SHALLOW) VAN (SHALLOW) VAN (SHALLOW)	14E A 270 A 270
ARITHMETIC AVERAGE GEOMETRIC AVERAGE MEDIAN VALUE MODE IDEAL SPECIFIC FLOW RATE =	1254	689.3 132.2 34.0 42.6	28.7 28.0 28.1		
WOODRINE GROUP					
LEWISVILLE WOODRINE LEWISVILLE SECT. WOOD LEWISVILLE DEXTER SAND	2900 2900 2830 2830 2700	100.0 2597.0 100.0 100.0 1000.0	26.0 26.0 26.0 29.4	VAN VAN VAN VAN VAN	13E 66AG A 370 A 469 A1270
ARITHMETIC AVERAGE GEOMETRIC AVERAGE MEDIAN VALUE MODE IDEAL SPECIFIC FLOW RATE =	2832	779.4 30.0 100.0 119.2	26.8 26.0 26.2		
TRINITY GROUP					
LOWER RODESSA ARITHMETIC AVERAGE GEOMETRIC AVERAGE MEDIAN VALUE MODE IDEAL SPECIFIC FLOW RATE =	8268 8268	14.0 14.0 14.0 14.0	15.2 15.2 15.2 15.2	FRUITVALE, SOUTHEAST	544F
HOUSTON (TRAVIS PLAK) GROUP					
8550 FT. SAND ARITHMETIC AVERAGE GEOMETRIC AVERAGE MEDIAN VALUE MODE IDEAL SPECIFIC FLOW RATE =	8550 8550	7.7 7.7 7.7 7.7	13.3 13.3 13.3 13.3	FRUITVALE	484C

SALINE WATER RESOURCES SURVEY

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VICTORIA COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUEYDAN-CATAHOULA GROUP					
2800 FT. SAND	2800	250.0	30.0	COLETTI CHEEK	5AF
3500 FT. GRETA SAND	3500	1400.0	28.0	LONNIE GLASSCOCK	8AG
4350 FT. (FRIO)	4344	652.0	36.0	COLETTI CHEEK SOUTH	A 569
4350 FT. SAND	4350	652.0	36.0	COLETTI CHEEK SOUTH	10B
4350 FT.	4350	652.0	36.0	COLETTI CHEEK SOUTH	11B
4600 FT. SAND	4600	1140.0	34.0	BLOOMINGTON	7AM
GRETA MASSIVE (FRIO)	4600	1019.0	33.3	BLOOMINGTON (4600)	4B
4800 FT. (GAS SAND)	4800	347.0	29.5	MC FADDEN, NORTH	12AD
5100 FT. B (GAS SU)	5100	703.0	32.7	MC FADDEN, NORTH	13AD
5200 FT. SAND	5200	1268.0	35.0	MC FADDEN, EAST	21AM
5275 FT. (GAS SAND)	5275	345.0	26.9	MC FADDEN, NORTH	14AD
5300 FT. SAND	5300	208.0	30.3	MC FADDEN, NORTH	15AD
5400 FT. UPPER SAND	5400	429.0	30.8	MC FADDEN, NORTH	16AD
5450 FT. SAND	5450	550.0	32.6	MC FADDEN, NORTH	17AD
5450 FT. SAND	5450	710.0	32.2	MC FADDEN, NORTH	22AM
5400 NO. 1 SD. (FRIO)	5474	330.0	31.0	HEYSEH	A1070
5400 NO. 1 SD. (FRIO)	5474	330.0	31.0	HEYSEH	A 571
5550 FT. SAND	5550	502.0	30.9	MC FADDEN, NORTH	18AD
5600 FT. SAND	5600	279.0	30.4	MC FADDEN, NORTH	19AD
5625 FT. SAND	5625	3425.0	31.0	MC FADDEN, EAST	23AM
5650 FT. SAND	5650	1003.0	33.2	MC FADDEN, EAST	24AM
5775 FT. SAND	5775	2183.0	35.6	MC FADDEN, EAST	25AM
5800 FT. SAND	5800	1566.0	31.1	MC FADDEN, EAST	26AM
5820 FT. SAND	5820	968.0	37.3	MC FADDEN, EAST	27AM
5800 RAMDERSON	5830	345.0	29.0	ELOISE	6AR
5840 FT. SAND	5840	273.0	28.1	MC FADDEN, EAST	28AM
5860 FT. SAND	5860	684.0	30.1	MC FADDEN, NORTH	20AD
5875 FT. SAND	5875	693.0	31.9	MC FADDEN, NORTH	21AD
FRIO	5880	342.0	28.4	KENTUCKY MOTT	5AO
WAR SAND	5884	300.0	29.0	ELOISE	7AR
5900 FRIO	5900	68.0	22.0	BLOOMINGTON	5AS
5900 FT. SAND	5900	3787.0	35.0	MC FADDEN, EAST	29AM
5935 FT. SAND	5935	292.0	31.6	MC FADDEN, EAST	30AM
5980 FT. SAND	5980	2286.0	35.1	MC FADDEN, EAST	31AM
6000 FT. SAND	6000	1500.0	26.0	PLACEDU, EAST	2AN
6000 FT. SAND (FRIO)	6005	908.0	27.0	EAST PLACEDU	A 369
6020 FRIO	6020	599.0	33.5	BLOOMINGTON	6AS
6130 FT. SAND	6130	488.0	33.5	MC FADDEN, NORTH	22AD
6150 FT. SAND	6150	378.0	29.7	MC FADDEN, NORTH	23AD
6200 FT. SAND	6200	141.0	27.7	MC FADDEN, NORTH	24AD
6235 FT. IN SAND	6235	454.0	32.4	MC FADDEN, NORTH	25AD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
 VICTORIA COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUEYDAN-CATAHOULA GROUP					
6300 FT. SAND	6300		32.0	BLOOMINGTON	5AR
6300 FT. SAND	6300	4180.0	31.0	PLACEDO, EAST	3AN
6530 FT. SAND	6530	175.0	27.3	BLOOMINGTON	7AS
6800 FT. SAND	6800	857.0	27.0	PLACEDO, EAST	4AN
6900	6900	2100.0	28.8	MC PADDIN, EAST	32AM
ARITHMETIC AVERAGE	5560	928.0	31.1		
GEOMETRIC AVERAGE		626.5			
MEDIAN VALUE		652.0	31.0		
MODE		293.6	30.4		
IDEAL SPECIFIC FLOW RATE	= 40.3 GPM/FT				
WILCOX GROUP					
WILCOX	8096		20.0	HELEN GOLKE	7AF
ARITHMETIC AVERAGE	8096	200.0	20.0		
GEOMETRIC AVERAGE		200.0			
MEDIAN VALUE		200.0	20.0		
MODE		200.0	20.0		
IDEAL SPECIFIC FLOW RATE	= 54.7 GPM/FT				

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STATE OF TEXAS

AQUIFER ROCK PROPERTIES
 WALKER COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CLAIBORNE GROUP					
1-B SAND YEGUA	6550	1053.0	30.0	KATY	A1070
ARITHMETIC AVERAGE		1053.0	30.0		
GEOMETRIC AVERAGE	6550	1053.0	30.0		
MEDIAN VALUE		1053.0	30.0		
MODE		1053.0	30.0		
IDEAL SPECIFIC FLOW RATE =	201.9 GPM/FT				

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AQUIFER ROCK PROPERTIES
WALLER COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CLAIBORNE GROUP					
I-B YEGUA	6437	1053.0	30.0	KAY (I-B)	A 370
SAND I-B YEGUA	6537	1053.0	30.0	KAY (I-B)	A 869
COCKFIELD (15 RES)	6650	855.0	29.0	KAY	44C
COCKFIELD 2-A-L SAND	6700	407.0	26.0	KAY	A0471
II-AL YEGUA	6705	407.0	26.0	KAY (II-AL)	A 370
ARITHMETIC AVERAGE	6626	755.0	28.2		
GEOMETRIC AVERAGE		690.6			
MEDIAN VALUE		855.0	29.0		
MODE		427.3	26.2		
IDEAL SPECIFIC FLOW RATE *	80.4				

T E X A S W A T E R D E V E L O P M E N T B O A R D
SALINE WATER RESOURCES SURVEY

OF THE

STATE OF TEXAS

AQUIFER ROCK PROPERTIES
WARD COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WHITEHOUSE GROUP					
YATES	50		17.0	WARD-ESTES,NORTH	5381
YATES+QUEEN	150	275.0	20.0	WARD,SOUTH	5301
YATES	1600	30.0	22.0	WARD-ESTES, NORTH	A0371
YATES	2150	15.0	14.0	WARD,SOUTH	5251
YATES	2171	40.0	21.0	SOUTH WARD	A 769
YATES (2450)	2210	2.0	18.0	WARD,SOUTH	5071
YATES	2245	24.0	22.0	WARD,SOUTH	5141
YATES	2280	30.0	23.0	WARD,SOUTH	5311
YATES	2300		21.0	WARD,SOUTH	5321
YATES	2350	20.0	18.0	WARD,SOUTH	5181
YATES	2395	59.0	19.6	WARD ESTES, NORTH	A1269
YATES	2400	62.0	19.8	WARD,SOUTH	5161
YATES	2400	75.0	21.5	WARD,SOUTH	5171
YATES SAND	2400	4.0	18.0	WARD,SOUTH	5111
GRAND FALLS,LOWER	2400	115.0	22.5	WARD-ESTES,NORTH	5441
YATES (2425 FT)	2425	.1	15.0	WARD,SOUTH	5201
LOWER YATES	2430		21.4	WARD,SOUTH	5101
YATES	2450	29.0	18.0	WARD-ESTES,NORTH	5471
YATES	2450	1.0	15.0	WARD-ESTES,NORTH	5481
YATES	2450	.1	15.0	WARD-ESTES,NORTH	5491
YATES	2450	.1	15.0	WARD-ESTES,NORTH	5501
YATES	2500	70.0	20.0	WARD,SOUTH	5081
YATES	2500	25.0	18.0	WARD-ESTES,NORTH	5391
YATES SAND	2500	85.0	21.5	WARD,SOUTH	5091
GRANDFALLS	2500	100.0	22.0	WARD,SOUTH	5191
YATES	2500	20.0	17.7	WARD,SOUTH	5231
YATES	2500	40.0	21.5	WARD,SOUTH	5371
YATES	2550	700.0	30.0	WARD-ESTES,NORTH	5461
YATES	2600	30.0	22.0	WARD-ESTES, NORTH	A0470
YATES	2600	30.0	22.0	WARD-ESTES, NORTH	A1070
YATES SAND	2600	50.0	16.0	WARD,SOUTH	5241
YATES+QUEEN	2600	30.0	22.0	WARD-ESTES,NORTH	5451
YATES	2609	30.0	22.0	WARD -ESTES, NORTH	A 270
YATES	2609	30.0	22.0	WARD -ESTES NORTH	A 469
YATES	2609	30.0	22.0	WARD-ESTES NORTH	A 569
YATES	2609	30.0	22.0	WARD ESTES, NORTH	A1269
YATES	2644	2.0	14.0	BYRD	A 789
YATES	2650	4.0	4.0	BYRD	161
YATES SAND	2700	18.0	20.0	WARD-ESTES,NORTH	5531
YATES SAND	2700	11.3	20.5	WICKETT,SOUTH	5851
YATES SAND	2705	11.3	20.5	WICKETT SOUTH YATES	A 270

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WARD COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WHITEHORSE GROUP					
YATES	2730	14.0	17.5	MAGNOLIA-SEALY	3431
YATES SAND	2750	7.0	17.1	MAGNOLIA-SEALY	3421
YATES	2850	14.0	20.0	MAGNOLIA-SEALY	3411
YATES	2947	100.0	8.0	DORVENE	A0870
YATES AND QUEEN	3000	19.0	19.6	WARD-ESTES	132AK
YATES (PENN BENNETT)	3000	.1	15.0	WARD-ESTES,NORTH	5511
YATES	3009	30.0	22.0	WARD-ESTES, NORTH	A 569
YATES+QUEEN	3050	26.0	19.3	WARD,SOUTH	5131
YATES-QUEENS	3100	60.0	22.0	NORTH WARD ESTES	5421
QUEEN	3100	20.0	19.0	WARD-ESTES,NORTH	5671
QUEEN SAND	2400	22.0	19.9	SHIPLEY (QUEEN)	4461
QUEEN SAND	2432	66.0	22.7	SHIPLEY (QUEEN SAND)	A 869
YATES	2466		17.0	NORTH WARD ESTES	5541
QUEEN SAND	2490	15.0	30.0	SHIPLEY QUEEN	A 569
YATES	2500	50.0	17.0	WARD-ESTES,NORTH	5681
YATES	2550	250.0	19.0	WARD-ESTES,NORTH	5631
YATES-QUEEN	2650	35.0	16.0	WARD-ESTES,NORTH	5581
YATES+QUEEN	2650	35.0	16.0	WARD-ESTES,NORTH	5641
YATES+QUEEN	2650	35.0	16.0	WARD-ESTES,NORTH	5651
QUEEN SAND	2850	43.0	20.6	SHIPLEY (QUEEN SAND)	4501
QUEEN SAND	3000	30.0	22.0	WARD-ESTES, NORTH	A0271
QUEEN	3000	30.0	22.0	WARD-ESTES, NORTH	A0371
QUEEN	3000	30.0	22.0	WARD-ESTES, NORTH	A0470
QUEEN SAND	3000	30.0	22.0	WARD-ESTES, NORTH	A1070
QUEEN SAND	3000	30.0	22.0	WARD-ESTES, NORTH	A1170
YATES-QUEEN	3000	35.0	16.0	WARD-ESTES,NORTH	5591
YATES	3000	60.0	18.0	WARD-ESTES,NORTH	5701
QUEEN	3009	30.0	22.0	WARD -ESTES, NORTH	A 270
QUEEN	3009	30.0	22.0	WARD-ESTES NORTH	A 569
QUEEN	3009	30.0	22.0	WARD ESTES, NORTH	A1269
QUEEN SANDSTONE	3075	13.3	18.9	SHIPLEY	147AH
QUEEN	3076	16.0	18.5	MONAHANS,SOUTH	3841
QUEEN SAND	3100	75.0	18.0	WARD-ESTES,NORTH	5521
QUEEN	3105	8.0	18.5	MONAHANS, SOUTH	A 569
QUEEN	3105	8.0	18.5	MONAHANS, SOUTH	A 770
QUEEN SAND	3108	1.6	18.5	MONAHANS, SOUTH	117AC
QUEEN	3108	16.0	18.5	MONAHANS, SOUTH	138AD
QUEEN	3200	16.0	18.9	MONAHANS (QUEEN)	3821
QUEEN SA ID	3269	45.0	17.0	MONAHANS	121AF
YATES-QUEEN	3600	35.0	16.0	WARD-ESTES,NORTH	5601
ARITHMETIC AVERAGE	2628	45.9	19.4		
GEOMETRIC AVERAGE		19.9			
MEDIAN VALUE		30.0	19.6		
IDEAL SPECIFIC FLOW RATE =	1.0	34.7	22.3		

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
WARD COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
DELAWARE MOUNTAIN GROUP					
DELAWARE SAND	4660	31.0	16.1	MONROE	A0371
DELAWARE	4666	31.0	16.1	MONROE	A 369
DELAWARE	4700	29.0	20.8	QUITO (DELAWARE)	4171
DELAWARE	4732	15.0	24.1	QUITO, WEST	126AK
DELAWARE SAND	4890	10.0	17.0	SCOTT (DELAWARE)	A 569
DELAWARE	4895	37.0	19.1	TWOFREDS	172AJ
DELAWARE	4934	14.0	20.7	QUITO	195AN
DELAWARE SAND	5000	68.5	18.0	QUITO (WEST)	A 569
DELAWARE	5000	46.0	22.1	BLOCK 17, SOUTHEAST	114AH
DELAWARE SAND	5032	18.7	19.2	WIL -JOHN (DELAWARE)	A 669
DELAWARE SAND	6100	6.0	21.0	PYOTE, SOUTH	53AA
6100 FT. SAND	6100	3.4	16.8	PYOTE, SOUTH	122AF
CHERRY CANYON SAND	6115	3.4	16.8	PYOTE, SOUTH	A 669
DELAWARE SAND	6200	5.0	18.0	PYOTE, SOUTH	54AA
DELAWARE SAND	6450	45.0	22.0	PYOTE, SOUTH	55AA
ARITHMETIC AVERAGE	5298	24.2	19.2		
GEOMETRIC AVERAGE		16.0			
MEDIAN VALUE		18.7	19.1		
MODE		32.7	16.5		
IDEAL SPECIFIC FLOW RATE =	2.3 GPM/FT				

	GUADALUPE (UNDIVIDED)	SERIES UNDIFFERENTIATED	
HOLT	3811	.9	5.6
ARITHMETIC AVERAGE		.9	5.6
GEOMETRIC AVERAGE		.9	5.6
MEDIAN VALUE		.9	5.6
MODE		.9	5.6
IDEAL SPECIFIC FLOW RATE =	.0 GPM/FT		

	LEONARD (SUB-DIVIDED)	SERIES UNDIFFERENTIATED	
CLEARFORK	4750	2.0	10.7
ARITHMETIC AVERAGE		2.0	10.7
GEOMETRIC AVERAGE		2.0	10.7
MEDIAN VALUE		2.0	10.7
MODE		2.0	10.7
IDEAL SPECIFIC FLOW RATE =	.1 GPM/FT		

	PENNSYLVANIAN SYSTEM UNDIFFERENTIATED	
UPPER PENNSYLVANIAN SYSTEM UNDIFFERENTIATED	7700	18.0
		20.0

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
WARD COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENN	8080	117.0	14.1	WARD, SOUTH	52AQ
PENNSYLVANIAN	8104	10.0	4.7	MILLER BLOCK B-29	91AE
PENNSYLVANIAN	8150	186.0	15.0	ESTES BLOCK 34	101AR
PENNSYLVANIAN	8231		4.7	SPRABERRY, WEST	131AK
ARITHMETIC AVERAGE	8053	82.7	11.7		
GEOMETRIC AVERAGE		44.5			
MEDIAN VALUE		117.0	14.1		
MODE		11.7	5.5		
IDEAL SPECIFIC FLOW RATE =	1.4 GPM/FT				
CANYON GROUP					
CANYON	5900	12.0	21.0	RHODA WALKER	51AG
ARITHMETIC AVERAGE	5900	12.0	21.0		
GEOMETRIC AVERAGE		12.0			
MEDIAN VALUE		12.0	21.0		
MODE		12.0	21.0		
IDEAL SPECIFIC FLOW RATE =	1.0 GPM/FT				
DEVONIAN SYSTEM UNDIFFERENTIATED					
DEVONIAN	6200	19.0	31.0	CRAWAR, NORTH	118AG
DEVONIAN	6306	10.0	28.0	CRAWAR, WEST	80AS
DEVONIAN	6400	19.0	31.0	CRAWAR	104AF
DEVONIAN	8375	14.0	3.9	MONAHANS NORTH	154AJ
ARITHMETIC AVERAGE	6820	15.5	23.5		
GEOMETRIC AVERAGE		15.0			
MEDIAN VALUE		19.0	31.0		
MODE		18.4	29.6		
IDEAL SPECIFIC FLOW RATE =	1.7 GPM/FT				
SILURIAN LOW-MID SERIES UNDIFFERENTIATED					
FUSSELMAN	8300	13.0	3.8	MONAHANS	137AD
FUSSELMAN	8336	9.0	3.8	MONAHANS	153AJ
ARITHMETIC AVERAGE	8318	11.0	3.8		
GEOMETRIC AVERAGE		10.8			
MEDIAN VALUE		13.0	3.8		
MODE		9.2	3.8		
IDEAL SPECIFIC FLOW RATE =	1.2 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS

WARD COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
ELLENBURGER GROUP					
ELLENBURGER	10550	3.0	1.6	MONAHANS NORTH	155AJ
ELLENBURGER	10550		3.3	MONAHANS	123AK
ELLENBURGER	10550	130.0	3.3	MONAHANS	188AN
ELLENBURGER	12550	.1	5.7	BLOCK 9	113AH
ELLENBURGER	18600		2.5	LOCKRIDGE	99AA
ARITHMETIC AVERAGE	12560	44.4	3.3		
GEOMETRIC AVERAGE		3.4			
MEDIAN VALUE		3.0			
MODE		.2			
IDEAL SPECIFIC FLOW RATE =	.0	GPM/FT			

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SALINE WATER RESOURCES SURVEY

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STATE OF TEXAS
AQUIFER ROCK PROPERTIES
WASHINGTON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WILCOX GROUP					
SPARTA (QUEEN CITY	1700	1000.0	22.0	CLAY CREEK	15C
ARITHMETIC AVERAGE	1700	1000.0	22.0		
GEOMETRIC AVERAGE		1000.0			
MEDIAN VALUE		1000.0	22.0		
MODE		1000.0	22.0		
IDEAL SPECIFIC FLOW RATE = 24.5 GPM/FT					

OF THE

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AQUIFER ROCK PROPERTIES

WEBB COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
JACKSON GROUP					
LOPEZ	2450	300.0	30.0	VOLPE	261D
MIRANDO SAND	980		19.0	ADAMI	1D
MIRANDO SAND	980		19.0	ADAMI	20
MIRANDO SAND	1000	1589.0	34.0	BIEL	25AJ
1000 FT MIRANDO	1000	1589.0	34.0	BIEL (1000 SAND)	23D
1000 FT MIRANDO	1125	2400.0	29.8	BIEL (1000 SAND)	24D
MIRANDO	1125	301.0	29.8	QUE SERA	179D
MIRANDO SAND	1125	301.0	29.8	QUE SERA	47AH
MIRANDO	1625	800.0	35.0	AVIATORS	15D
MIRANDO	1644	1287.0	33.0	AVIATORS	A 269
MIRANDO	1700	400.0	32.0	AVIATORS MIRANDO RES	A0870
MIRANDO SAND (1700)	1700	455.0	41.5	AVIATORS	16D
MIRANDO SAND	1706	455.0	41.5	AVIATORS	A 270
MIRANDO SAND	1706	455.0	41.5	AVIATORS	A1269
MIRANDO SAND	1710	1250.0	30.0	AVIATORS	A 769
MIRANDO SAND	1770	1600.0	32.7	MIRANDO CITY	A0870
MIRANDO SAND	1900	1600.0	32.7	OILTON	A 370
A SAND WELLBORN	1984	5.0	8.5	KILLAM	A 369
LOPEZ MIRANDO	2150	685.0	31.4	LOPEZ	149D
MIRANDO	2161	500.0	32.0	LOPEZ	A1269
MIRANDO	2200	750.0	30.0	LOPEZ	148D
UPPER MIRANDO	2250	250.0	35.0	LOPEZ	150D
MIRANDO	2300	750.0	30.0	QUIEN SABE	180D
MIRANDO SAND	2330	576.0	33.9	QUIEN SABE	A0970
LOPEZ (MIRANDO)	2350	200.0	30.0	COLE, WEST	A0170
MIRANDO SAND	2350	200.0	30.0	COLE, WEST	A0271
MIRANDO SAND	2362	200.0	27.0	WEST COLE	A 369
ARITHMETIC AVERAGE	1761	778.2	31.0		
GEOMETRIC AVERAGE		513.3			
MEDIAN VALUE		576.0			
MODE		537.4			
IDEAL SPECIFIC FLOW RATE =	13.0 GPM/FT				

CLAIBORNE GROUP

H ZONE	1078	970.0	29.8	PRESA DE ORO	39AE
YEGUA F	1100	508.0	30.7	ZAMET	67AD
YEGUA G	1100	508.0	30.7	ZAMET	68AD

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
WEBB COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CLAIBORNE GROUP					
YEGUA C	1112	1344.0	30.0	PRESA DE ORO	43AE
F ZONE	1184	550.0	30.7	PRESA DE ORO	40AE
YEGUA F	1202	611.0	32.4	ZIMET	56AR
H ZONE	1209	740.0	28.2	PRESA DE ORO	42AE
G ZONE	1214	1985.0	32.0	PRESA DE ORO	41AE
YEGUA G	1221	832.0	28.4	ZIMET	57AR
YEGUA H	1251	700.0	29.0	ZIMET	A1269
YEGUA-ROSENBERG	1700	527.0	32.7	GUTIERREZ	1000
MIDDLE-ROSENBERG	1775	592.0	31.0	TAL VEZ	29A0
(1ST PETTUS-YEGUA)	2160	450.0	33.0	GLENN	A0170
HRUNI	2598	420.0	30.1	DE SPAIN*SE	35AS
ROSENBERG C SAND	2644	178.0	29.5	CAROLINA-TEX*WEST	A 869
2640 FT	2649	178.0	29.5	CAROLINA-TEX*WEST	14A0
HRUNI SAND	2650	800.0	30.0	OILTON	61AD
YEGUA	2955	115.0	30.0	ST. JOSEPH	A 769
YEGUA-PETTERS	3200	1200.0	28.0	MCLEAN	157D
ARITHMETIC AVERAGE	1800	695.2	30.3		
GEOMETRIC AVERAGE		565.8			
MEDIAN VALUE		592.0	30.0		
MODE		556.5	29.8		
IDEAL SPECIFIC FLOW RATE =	14.0 GPM/FT				

WILCOX GROUP					
5070 FT. (WILCOX)	5073	22.0	20.0	OLMITOS	A 270
WILCOX	5200	90.0	22.7	ADAMI	29AH
ARITHMETIC AVERAGE	5136	56.0	21.4		
GEOMETRIC AVERAGE		44.5			
MEDIAN VALUE		90.0	22.7		
MODE		23.7	20.1		
IDEAL SPECIFIC FLOW RATE =	3.1 GPM/FT				

SALINE WATER RESOURCES SURVEY

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STATE OF TEXAS
AQUIFER ROCK PROPERTIES
WHARTON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
OLIGOCENE SERIES UNDIFFERENTIATED					
(C) SAND (OLIGOCENE)	5350	3000.0	25.0	WITHERS, NORTH	28AH
ARITHMETIC AVERAGE	5350	3000.0	25.0		
GEOMETRIC AVERAGE		3000.0			
MEDIAN VALUE		3000.0			
MODE		3000.0			
IDEAL SPECIFIC FLOW RATE =	377.5 GPM/FT				
GUEYDAN-CATAHOULA GROUP					
GILCREASE SAND	4658	1500.0	30.0	HUTCHINS -KUBELLA	A 471
FRIO	4900	2500.0	36.0	LOUISE, NORTH	27AF
5200 FT. SAND	5200	458.0	34.8	NIELS CARLSEN	58AL
FRIO C	5250	3000.0	25.0	WITHERS NORTH C SD	105C
(CF SAND (FRIO)	5295	3000.0	25.0	WINTERS, NORTH	34AG
5320 FT SAND	5320	139.0	29.0	B-U RANCH	17AS
C SAND (FRIO)	5350	3000.0	25.0	WITHERS, NORTH	A1270
FRIO	5550	3100.0	25.0	MAGNET WITHERS	31AK
SECOND FRIO SAND	5565	650.0	30.0	COX	19AH
UPPER 5600 FT. SAND	5600	500.0	29.6	DUFFY	49AL
LOWER 5600 FT. SAND	5615	2500.0	32.6	DUFFY	48AL
F-7B SAND ZONE	5912	75.0	29.5	MAGNET WITHERS, EAST	28AC
6080 TO 6950 FT. FRIO	6100	670.0	29.0	EL CAMPO	23AF
F-10C SAND ZONE	6154	400.0	30.0	MAGNET WITHERS	26AC
MAGNET WITHERS FR 1	6160	126.0	30.5	MAGNET WITHERS	51C
F-10 EAST	6160	126.0	30.5	MAGNET WITHERS	52C
F-10 SAND ZONE	6175	126.0	30.5	MAGNET WITHERS, EAST	29AC
F-11-B/E	6217	137.0	28.7	MAGNET WITHERS	22AP
F-12 E	6381	131.0	30.1	MAGNET WITHERS	23AP
F-15 SAND ZONE	6551	500.0	31.0	MAGNET WITHERS	27AC
	6586	535.0	27.8	MAGNET WITHERS-FISAW	16AO
F-15 SAND ZONE	6640	4861.0	34.1	MAGNET WITHERS, EAST	30AC
F-17	6670	450.0	30.0	MAGNET WITHERS	34AU
F-17 E	6738	189.0	32.1	MAGNET WITHERS	25AP
F-20-B	6888	60.0	27.8	MAGNET WITHERS	24AP
7000 FRIO	7000	1383.0	32.5	ETTA	20AR
F-26 E, UPPER	7294	81.0	29.5	MAGNET WITHERS	26AP
7350 FRIO	7350	245.0	25.2	ETTA	21AR
ARITHMETIC AVERAGE	6046	1087.2	30.0		
GEOMETRIC AVERAGE		490.1			
MEDIAN VALUE		500.0			
MODE		118.8			
IDEAL SPECIFIC FLOW RATE =	114.4 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS

WHARTON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
VICKSBURG Group					
WIGGINGTON	7541	500.0	32.0	ETTA WIGGINGTON ETTA	23C 23AF
WIGGINGTON	7567	978.0	32.7		
ARITHMETIC AVERAGE	7554	739.0	32.3		
GEOMETRIC AVERAGE		699.3	32.7		
MEDIAN VALUE		976.0	32.0		
MODE		517.3	32.0		
IDEAL SPECIFIC FLOW RATE =		122.5 GPM/FT			

OF THE
 STATE OF TEXAS
 AQUIFER ROCK PROPERTIES
 WHEELER COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOLF CAMP SERIES UNDIFFERENTIATED					
BROWN DOLOMITE	2118	136.5	16.0	PANHANDLE-WHEELER	A 370
BROWN DOLOMITE	2238	10.0	15.0	PANHANDLE-WHEELER CO	A0970
WOLF CAMP BROWN DOLO.	2315	5.0	12.0	PANHANDLE	A 669
BROWN DOLOMITE	2600	10.0	14.0	PANHANDLE WHEELER CO	108L
ARITHMETIC AVERAGE	2318	40.4	14.2		
GEOMETRIC AVERAGE		16.2			
MEDIAN VALUE		10.0	15.0		
MODE		11.6	12.2		
IDEAL SPECIFIC FLOW RATE =	.3 GPM/FT				

MISSOURI SERIES UNDIFFERENTIATED					
UPPER MISSOURI	7224	69.1	13.0	MOBETTIE	169AS
MISSOURI	7362	15.0	7.9	MOBETTIE	178AC
ARITHMETIC AVERAGE	7293	42.0	10.4		
GEOMETRIC AVERAGE		32.2			
MEDIAN VALUE		69.1	13.0		
MODE		16.2	8.2		
IDEAL SPECIFIC FLOW RATE =	2.4 GPM/FT				

OF THE
STATE OF TEXAS
AQUIFER ROCK PROPERTIES
WICHITA COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
PERMIAN SYSTEM UNDIFFERENTIATED					
425 FT. PERMIAN PERMIAN SAND 600 FT	425	60.0	18.0	WICHITA CO. REGULAR	860K
675 FT. PERMIAN SAND	600	279.0	24.4	WICHITA CO. REGULAR	831K
	680	95.0	24.3	WICHITA REGULAR	A 370
ARITHMETIC AVERAGE GEOMETRIC AVERAGE MEDIAN VALUE MODE	568	144.7 116.7 95.0	22.2 24.3 24.1		
IDEAL SPECIFIC FLOW RATE =	.4 GPM/FT				
WOLFCAMP SERIES UNDIFFERENTIATED					
600 FT. WOLFCAMP	600	279.0	24.4	WICHITA CO. REGULAR	832K
WOLFCAMP	680	42.0	28.0	WICHITA CO. REGULAR	878K
ARITHMETIC AVERAGE GEOMETRIC AVERAGE MEDIAN VALUE MODE	640	160.5 108.2 279.0	26.2 28.0 24.6		
IDEAL SPECIFIC FLOW RATE =	.3 GPM/FT				
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
FOSTER	3995	25.0	16.0	KEMPNER	543K
ARITHMETIC AVERAGE GEOMETRIC AVERAGE MEDIAN VALUE MODE	3995	25.0 25.0 25.0 25.0	16.0 16.0 16.0 16.0		
IDEAL SPECIFIC FLOW RATE =	1.5 GPM/FT				
CISCO GROUP					
400 FT SAND (CISCO)	377	75.0	26.0	WICHITA CO. REGULAR	A 369
CISCO SAND	400	159.0	25.0	WICHITA CO. REGULAR	776K

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
WICHITA COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CISCO GROUP					
400 FT SAND	400	75.0	26.0	WICHITA CO. REGULAR	R29K
400 FT SAND (CISCO)	405	199.0	25.0	WICHITA CO. REG.	A 669
WICHITA CO. REGULAR	590	125.0	19.0	WICHITA CO. REGULAR	801K
WICHITA CO. REGULAR	650	125.0	19.0	WICHITA CO. REGULAR	802K
650 FT SAND	650	140.0	21.7	WICHITA CO. REGULAR	870K
665 FT SAND	660	115.0	18.0	WICHITA CO. RFGULAR	760K
700 FT SAND	680	617.0	21.6	WICHITA CO. REGULAR	807K
700 FT CISCO SANDS	700	200.0	22.0	WICHITA CO. REGULAR	771K
700 FT SAND	700	150.0	27.0	WICHITA CO. REGULAR	849K
700 FT SAND	700	200.0	15.0	WICHITA CO. REGULAR	926K
CISCO SAND	700	18.0	20.5	WICHITA CO. RFGULAR	746K
CISCO SAND	730	325.0	23.0	WICHITA CO. REGULAR	747K
750 FT SAND (CISCO)	750	410.0	26.0	WICHITA COUNTY REG.	A0870
CISCO SAND	750	410.0	26.0	WICHITA COUNTY REG.	A0-71
750 FT SAND (CISCO)	752	410.0	26.0	WICHITA COUNTY REG.	A 270
800 FT SAND	755	272.0	17.9	WICHITA CO. REGULAR	865K
350 FT SAND	760	10.0	23.0	WICHITA CO. REGULAR	781K
800 FT CISCO SAND	774	140.0	21.7	WICHITA CO. REGULAR	871K
800 FT SAND (CISCO)	800	42.0	22.0	WICHITA CO. REGULAR	816K
800 FT SAND	800	140.0	20.7	WICHITA CO. REGULAR	752K
800 FT SAND	800	42.0	22.0	WICHITA CO. REGULAR	761K
800 FT SAND	800	42.0	22.0	WICHITA CO. REGULAR	772K
CISCO SAND	800	642.0	11.7	WICHITA CO. REGULAR	806K
CISCO SAND	800	906.0	22.8	WICHITA CO. REGULAR	808K
800 FT CISCO	800	150.0	19.0	WICHITA CO. REGULAR	861K
800 FT CISCO SAND	800	70.0	22.0	WICHITA CO. REGULAR	918K
800 FT CISCO SAND	800	140.0	11.7	WICHITA CO. REGULAR	920K
CISCO SAND	800	138.3	18.9	WICHITA CO. RFGULAR	888K
CISCO	900	200.0	20.0	WICHITA CO. RFGULAR	773K
950 FT SAND	950	200.0	20.0	WICHITA CO. REGULAR	817K
1000 FT SAND	1000	630.0	23.8	WICHITA CO. REGULAR	818K
1000 FT SAND	1000	143.0	20.9	WICHITA CO. REGULAR	786K
1050 FT SAND	1020	200.0	29.0	WICHITA CO. REGULAR	775K
CISCO SAND	1040	32.0	26.0	WICHITA CO. REGULAR	A0570
1000 FT (CISCO)	1070	100.0	22.0	WICHITA COUNTY REG.	880K
1100 FT SAND	1095	400.0	23.2	WICHITA CO. REGULAR	A 669
CISCO 1100 FT	1100	20.0	20.0	WICHITA CO. REGULAR	859K
1100 FT (CISCO)	1103	12.4	24.0	WICHITA CO. REG.	A 669
1150 FT CISCO SAND	1150	300.0	20.0	WICHITA CO. REGULAR	751K
THOMAS	1150	200.0	20.0	WICHITA CO. REGULAR	867K
1300 FT SAND	1300	296.0	23.7	WICHITA CO. REGULAR	833K
CISCO SERIES	1322	169.0	17.6	WICHITA CO. REGULAR	890K
1325 FT	1325	100.0	19.0	WICHITA CO. REGULAR	862K
1350 FT SANDSTONE	1350	200.0	21.0	WICHITA CO. REGULAR	857K
CISCO	1380	800.0	18.0	WICHITA CO. REGULAR	848K
1400 FT	1380	20.0	25.0	WICHITA CO. REGULAR	850K
1400 FT CISCO SAND	1400	300.0	24.0	WICHITA CO. REGULAR	787K
1400+1500 FT SAND	1400	300.0	26.0	WICHITA CO. REGULAR	798K
1000 FT SAND	1400	20.0	27.0	WICHITA CO. REGULAR	819K

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
WICHITA COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CISCO GROUP					
1400 FT ZONE	1400	100.0	20.0	WICHITA CO. REGULAR	855K
1450 FT SAND	1450	281.0	22.9	WICHITA CO. REGULAR	763K
1450 FT SAND	1450	279.0	24.5	WICHITA CO. REGULAR	763K
1500 FT. (CISCO)	1485	5.4	19.0	WICHITA COUNTY REG.	A1270
1500 FT SAND	1500	200.0	24.2	WICHITA CO. REGULAR	764K
1500 FT SAND	1500	150.0	18.0	WICHITA CO. REGULAR	779K
1500 FT SAND	1500	500.0	25.0	WICHITA CO. REGULAR	805K
CISCO PENN SANDS	1500	110.0	22.0	WICHITA CO. REGULAR	834K
1500 FT SAND	1500	600.0	18.0	WICHITA CO. REGULAR	873K
1500 FT SAND	1500	200.0	27.0	WICHITA CO. REGULAR	876K
1500 FT. CISCO SAND	1520	104.0	25.6	WICHITA COUNTY REG.	A0170
1530 FT CISCO	1530	100.0	15.0	WICHITA CO. REGULAR	863K
1500 FT. (CISCO)	1540	200.0	27.0	WICHITA COUNTY REG.	A0371
GUNSIGHT SAND	1543	147.0	23.0	WICHITA CO. REGULAR	777K
1500 FT SAND (CISCO)	1550	9.0	22.0	WICHITA CO. REGULAR	846K
GUNSIGHT	1550	200.0	24.0	WICHITA CO. REGULAR	755K
1560 FT CISCO SAND	1560	75.0	20.0	WICHITA CO. REGULAR	864K
1575 FT SAND	1575	22.4	21.0	WICHITA CO. REGULAR	765K
1575 FT SAND	1575	200.0	18.0	WICHITA CO. REGULAR	774K
CISCO SAND	1600	28.0	22.0	WICHITA COUNTY REG.	A0170
1600 FT SAND	1600	50.0	20.0	WICHITA CO. REGULAR	758K
1600 FT SAND	1600	50.0	20.0	WICHITA CO. REGULAR	759K
1600 FT SAND	1600	112.9	19.2	WICHITA CO. REGULAR	835K
CISCO 1650	1600	28.0	22.0	WICHITA CO. REGULAR	837K
GUNSIGHT SAND 1700	1600	69.0	21.8	WICHITA CO. REGULAR	842K
GUNSIGHT	1600	50.0	21.0	WICHITA CO. REGULAR	885K
1600+1700 FT SANDS	1600	10.0	20.0	WICHITA CO. REGULAR	919K
1600 FT. CISCO SAND	1602	70.0	20.0	WICHITA CO. REGULAR	A 270
1600 FT. CISCO SAND	1602	70.0	20.0	WICHITA CO. REGULAR	A 669
1600 FT. CISCO SAND	1606	80.0	22.0	WICHITA CO. REGULAR	A 669
CISCO SAND	1611	87.0	21.0	WICHITA CO. REG.	A 370
THOMAS SANDSTONE	1620	80.0	23.0	WICHITA CO. REGULAR	858K
GUNSIGHT	1624	50.0	20.0	WICHITA CO. REGULAR	882K
1600 FT SAND	1630	275.0	19.9	WICHITA CO. REGULAR	766K
1600 FT. GUNSIGHT	1633	70.0	19.0	WICHITA CO. REGULAR	A 469
GUNSIGHT SAND 1650	1650	829.0	23.0	WICHITA CO. REGULAR	838K
GUNSIGHT	1650	200.0	18.0	WICHITA CO. REGULAR	756K
1650 FT. (CISCO)	1659	150.0	24.2	COUNTY REGULAR	A 569
1700 FT. (CISCO)	1700	70.0	22.0	WICHITA COUNTY REG.	A0170
1700 FT SAND CISCO	1700	87.0	21.0	WICHITA CO. REGULAR	834K
GUNSIGHT 1700 FT	1700	129.0	22.6	WICHITA CO. REGULAR	846K
GUNSIGHT SAND 1700	1700	134.0	22.0	WICHITA CO. REGULAR	843K
1700+900 FT SAND	1700	50.0	20.0	WICHITA CO. REGULAR	757K
1700 FT GUNSIGHT	1700	50.0	18.0	WICHITA CO. REGULAR	780K
1700 FT CISCO SAND	1700	1048.0	24.0	WICHITA CO. REGULAR	815K
GUNSIGHT 1700 FT	1700	87.0	21.0	WICHITA CO. REGULAR	841K
1700 FT SAND	1700	86.4	19.8	WICHITA CO. REGULAR	844K
1700 FT SAND (CISCO)	1710	70.0	22.0	WICHITA CO. REGULAR	A 369

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS

WICHITA COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CISCO GROUP					
1700 FT. SAND (CISCO)	1711	50.0	19.0	WICHITA CO. REGULAR	A 369
1700 FT. CISCO SAND	1711	87.0	21.0	WICHITA CO. REGULAR	A 270
GUNSIGHT SAND	1711	87.0	21.0	WICHITA CO. REGULAR	A 370
1700 FT. CISCO SAND	1711	87.0	21.0	COUNTY REGULAR	A 669
GUNSIGHT SAND 1750	1720	53.2	22.2	WICHITA CO. REGULAR	845K
1700 FT. GUNSIGHT	1750	100.0	24.0	WICHITA CO. REGULAR	847K
1700 FT. SAND	1750	596.0	39.6	WICHITA CO. REGULAR	767K
CISCO GUNSIGHT	1750	200.0	25.0	WICHITA CO. REGULAR	777K
1750 FT. SAND (CISCO)	1755		20.0	WICHITA CO. REGULAR	A 369
GUNSIGHT	1773		30.0	WICHITA CO. REGULAR	A 369
1780 FT. SAND	1780	609.0	23.2	WICHITA CO. REGULAR	881K
1800 FT. SAND	1800	175.0	25.0	WICHITA CO. REGULAR	768K
1800 FT. SAND	1800	140.0	20.7	WICHITA CO. REGULAR	769K
1000 FT. SAND	1800	1.0	20.0	WICHITA CO. REGULAR	824K
1800 FT. CISCO	1800	58.0	18.0	WICHITA CO. REGULAR	922K
GUNSIGHT 1700 FT	1850	500.0	18.0	WICHITA CO. REGULAR	879K
GUNSIGHT SAND	1950	324.0	25.0	WICHITA CO. REGULAR	924K
1960 FT. CISCO SAND	1966	232.0	23.2	WICHITA CO. REGULAR	A 769
2000 FT. CISCO SAND	2006	58.0	21.3	WICHITA CO. REGULAR	A 769
LOWER MILHAM SAND	2180	6.0	20.0	WOOD	1027K
CISCO	3705	3.0	10.0	WICHITA CO. REGULAR	A0171
JONES LIME	4175	40.0	14.0	WICHITA CO. REGULAR	748K
ARITHMETIC AVERAGE	1379	185.4	21.7		
GEOMETRIC AVERAGE		106.3	21.7		
MEDIAN VALUE		125.0	20.4		
MODE		195.4			
IDEAL SPECIFIC FLOW RATE =	3.1 GPM/FT				
STRAWN GROUP					
CADDO LIME	3558	1.0	13.0	WICHITA CO. REGULAR	796K
KMA SAND	3600	192.0	14.0	KMA	499K
KMA SAND	3600	14.4	15.6	KMA	530K
KMA SAND	3600	64.7	14.3	KMA	532K
KMA SAND	3650	116.0	18.0	KMA	516K
KMA SAND	3700	60.0	15.0	KMA	A0870
KMA SAND	3700	60.0	15.0	KMA	A1169
KMA SAND	3700	.1	16.0	KMA	500K
KMA SAND	3700	21.0	14.0	KMA	531K
KMA SAND	3725		14.0	KMA	510K
KMA STRAWN	3750		16.0	KMA	509K
KMA	3750	70.0	15.0	KMA	533K
KMA ZONE 11	3765	16.0	14.0	KMA	493K
KMA SAND	3770	60.0	15.0	KMA	A0271
KMA SAND	3780	25.0	15.0	KMA	508K

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
WICHITA COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAWN GROUP					
KMA SAND	3800	40.0	16.0	KMA	A 269
3820 FT. STRAWN	3800	3.5	8.4	CASH	A0271
KMA	3800	40.0	16.0	KMA	483K
KMA	3800	35.0	16.0	KMA	484K
KMA	3800	1.1	11.4	KMA	486K
KMA	3800	25.0	16.0	KMA	505K
KMA	3800	16.0	15.0	KMA	527K
KMA SAND	3800	30.0	16.0	KMA	527K
KMA SAND	3800	178.0	12.8	KMA	535K
KMA SAND	3810	7.3	13.2	KMA	A 270
3820 FT. STRAWN	3820	135.0	12.0	CASH	66A0
STRAWN SAND	3850	45.0	15.0	KMA	501K
KMA	3850	13.0	17.0	KMA	522K
KMA	3850	15.0	15.0	KMA	523K
KMA STRAWN	3850	60.0	16.2	KMA	529K
STRAWN SAND	3885	80.0	14.0	AIRPORT	7K
KMA SAND	3900	40.0	17.0	AIRPORT	6K
KMA	3900	40.0	16.5	KMA	A0470
KMA	3900	40.0	16.0	KMA	482K
KMA	3900	76.0	13.0	KMA	485K
KMA	3900	21.0	14.0	KMA	495K
KMA	3900	35.0	14.0	KMA	496K
3900 KMA STRAWN	3900	30.0	16.0	KMA	506K
KMA SAND	3900	150.0	16.8	KMA	507K
KMA	3900	25.0	16.0	KMA	521K
KMA	3900	21.0	14.0	KMA	539K
KMA	3945	60.0	15.0	KMA	504K
KMA SAND	3950	2.0	14.0	KMA	513K
KMA SAND	3986	8.0	12.0	KMA	A 869
KMA SAND	4011	2.0	12.0	KMA	A 869
STRAWN SANDSTONE	4030	21.0	15.6	KMA	528K
KMA	4050	1.1	11.4	KMA	481K
KMA	4065	1.2	11.6	KMA	488K
KMA	4120	10.0	14.8	KMA	489K
KMA	4130	2.1	11.8	KMA	490K
PENN STRAWN	4167	150.0	16.0	KMA	503K
KMA SAND	4170	8.0	12.0	KMA	526K
KMA	4174	8.0	12.0	KMA	A 370
STRAWN	4200	5.0	13.0	MADDENE. (STRAWN)	578K
STRAWN	4200	5.4	13.6	KMA	502K
4200 SAND	4200	25.0	16.0	WEST	742K
STRAWN	4200	25.0	18.0	WEST	742K
STRAWN	4200	10.0	13.0	MADDENE, EAST	11K
STRAWN SAND	4246	25.0	16.8	WEST	A1069
KMA SAND	4250	20.0	16.8	WEST	743K
STRAWN	4250	20.0	15.0	WEST	173AC
STRAWN	4260	25.0	15.0	WEST	737K
KMA SAND ZONE II	4300	13.5	17.0	WEST	740K
			14.4	WICHITA COUNTY REG.	A0170

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
 WICHITA COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
KMA SAND	4300	22.8	14.0	WICHITA CO. REGULAR	7492
4400 FT. STRAWN	4406	2.0	12.0	JONES-PAYNE	470K
ARITHMETIC AVERAGE	3927	37.4	14.6		
GEOMETRIC AVERAGE		17.8			
MEDIAN VALUE		22.8	15.0		
MODE		31.1	15.6		
IDEAL SPECIFIC FLOW RATE =	1.8 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD
SALINE WATER RESOURCES SURVEY

OF THE

STATE OF TEXAS

AQUIFER ROCK PROPERTIES
WILBARGER COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
1600 FT SAND	1605	70.0	21.0	KING,NORTH	556K
ARITHMETIC AVERAGE	1605	70.0	21.0		
GEOMETRIC AVERAGE		70.0			
MEDIAN VALUE		70.0			
MODE		70.0			
IDEAL SPECIFIC FLOW RATE =	1.3 GPM/FT				
CISCO GROUP					
1000 FT SAND	1000	95.0	21.0	WILBARGER CO. REG.	985K
EAST CENTRAL 1100 FT	1100	70.0	18.0	WILBARGER CO. REG.	938K
1100 FT SAND	1100	227.0	21.0	WILBARGER CO. REG.	966K
VERNON SAND	1100	60.0	20.0	WILBARGER CO. REG.	967K
1100 FT SAND	1100	227.0	21.0	WILBARGER CO. REG.	988K
1100 FT CISCO SAND	1100	227.0	21.0	WILBARGER CO. REG.	1008K
1100 FT SAND	1125	120.0	21.0	WILBARGER CO. REG.	987K
100 FT SAND	1150	100.0	23.5	WILBARGER CO. REG.	950K
1300 FT SAND	1300	45.0	22.4	WILBARGER CO. REG.	935K
1300 FT SAND	1300	45.0	22.4	WILBARGER CO. REG.	937K
1400 FT D. SAND	1400	225.0	20.5	WILBARGER CO. REG.	1006K
1600 FT CISCO	1600	250.0	20.0	WILBARGER CO. REG.	968K
1600 SAND	1670	30.0	15.0	BLACKMAN	173K
1700 FT CISCO SAND	1600	457.0	20.0	WILBARGER CO. REG.	1009K
1700 FT SAND	1780	65.0	18.0	WILBARGER CO. REG.	1010K
DYSON SAND	1800	250.0	23.0	WILBARGER CO. REG.	972K
DYSON SAND	1800	50.0	20.0	KIEL	549K
1800 FT CISCO SAND	1844	23.7	17.8	WILBARGER CO. REG.	1011K
DYSON SAND	1850	100.0	16.6	WILBARGER CO. REG.	939K
DYSON SAND	1850	110.0	20.0	WILBARGER CO. REG.	940K
DYSON SAND	1850	185.0	21.0	WILBARGER CO. REG.	981K
DYSON SAND	1850	712.0	21.0	WILBARGER CO. REG.	1012K
DYSON SAND	1858	712.0	21.2	WILBARGER CO. REG.	1013K
DYSON	1860	400.0	23.0	WILBARGER CO. REG.	A1069
1900 FT DYSON	1900	250.0	23.0	WILBARGER CO. REG.	973K
1900 FT DYSON SAND	1900	110.0	20.0	WILBARGER CO. REG.	980K
DYSON	1920	250.0	23.0	WILBARGER CO. REG.	996K
UPPER GUNSLIGHT	1920	25.0	18.8	CULLUM	351K
DYSON	1925	64.0	12.3	D-K	352K

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WILBARGER COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CISCO GROUP					
1950 FT SAND	1950	49.0	17.0	WILBARGER CO. REG.	941K
DYSON	1950	250.0	22.0	WILBARGER CO. REG.	964K
DYSON	1950	250.0	22.0	SAUDER	684K
2000 FT SAND	2000	67.0	14.8	WILBARGER CO. REG.	943K
2000 FT SAND	2020	75.0	18.0	WILBARGER CO. REG.	942K
MILHAM SAND	2300	450.0	21.0	WILBARGER CO. REG.	993K
MILHAM SAND	2350	93.0	19.2	WILBARGER CO. REG.	946K
MILHAM SAND	2350	125.0	22.0	WILBARGER CO. REG.	975K
MILHAM SAND	2350	125.0	22.0	WILBARGER CO. REG.	976K
MILHAM	2360	125.0	22.0	WILBARGER CO. REG.	977K
2360 FT MILHAM SAND	2360	227.0	20.7	WILBARGER CO. REG.	998K
MILHAM SAND	2360	110.0	20.0	WILBARGER CO. REG.	1014K
MILHAM SAND	2390	175.0	17.0	WILBARGER CO. REG.	947K
MILHAM SAND	2400	100.0	20.0	WILBARGER CO. REG.	944K
MILHAM SAND	2400	55.0	14.0	WILBARGER CO. REG.	948K
NOBLE LINE	2400	55.0	14.0	WILBARGER CO. REG.	969K
MILHAM SAND	2400	232.0	22.0	WILBARGER CO. REG.	982K
MILHAM SAND	2400	1100.0	21.0	WILBARGER CO. REG.	991K
MILHAM SAND	2400	220.0	22.0	WILBARGER CO. REG.	190AM
MILHAM SAND	2400	240.0	20.0	WILSON	157AM
MILHAM SAND	2400	240.0	20.0	GRAYBACK	401K
MILHAM SAND	2400	100.0	22.0	GRAYBACK EAST	725K
CISCO SAND	2450	315.0	24.0	WAGGONER-MILHAM	727K
MILHAM SAND	2450	317.0	24.0	WAGGONER-MILHAM	724K
MILHAM SAND	2480	315.0	24.0	WAGGONER-MILHAM	945K
MILHAM SAND	2546	64.0	14.4	WILBARGER CO. REG.	721K
CASTLEBURY	2800	50.0	19.5	W.C.	379K
CISCO 3200	3200	100.0	20.0	FARGO	139AF
CISCO	3700	377.0	19.8	FARGO	7640
CISCO 3700 FT	3700	377.0	17.0	FARGO	
ARITHMETIC AVERAGE	2013	208.7	20.1		
GEOMETRIC AVERAGE		141.4	20.7		
MEDIAN VALUE		125.0	19.9		
MODE		92.5			
IDEAL SPECIFIC FLOW RATE =	2.2 GPM/FT				
CANYON GROUP					
CANYON 3900 FT	3900		17.0	FARGO	7540
CANYON 4200	4200	10.0	14.0	FARGO	378K
PALO PINTO	5010	23.0	8.2	TOLBERT	191AJ
ARITHMETIC AVERAGE	4370	16.5	13.1		
GEOMETRIC AVERAGE		15.2			
MEDIAN VALUE		23.0	14.0		
MODE		10.4	8.6		
IDEAL SPECIFIC FLOW RATE =	.7 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAWN GROUP					
KMA - CADDO	3750	4.0	10.0	CONSOLIDATED POOL	247K
CADDO	3900	10.0	8.0	PARADISE	647K
CADDO - KMA	3950	10.0	12.0	CONSOLIDATED POOL	248K
CADDO LIME	4000	5.6	11.5	BILLIE JOE	172K
CADDO	4100		14.0	PARADISE	188AJ
CONGLOMERATE	7000		12.0	SCHMOKER	160AG
ARITHMETIC AVERAGE	4450	7.4	11.3		
GEOMETRIC AVERAGE		6.9			
MEDIAN VALUE		10.0	12.0		
MODE		9.6	11.9		
IDEAL SPECIFIC FLOW RATE =	.6 GPM/FT				
OSAGE SERIES UNDIFFERENTIATED					
CHAPPEL	6300	3.1	13.5	ODELL, WEST	164AC
ARITHMETIC AVERAGE	6300	3.1	13.5		
GEOMETRIC AVERAGE		3.1			
MEDIAN VALUE		3.1	13.5		
MODE		3.1	13.5		
IDEAL SPECIFIC FLOW RATE =	.3 GPM/FT				
ELLENBURGER GROUP					
ELLENBURGER	6684	1.7	5.3	ODELL, WEST	165AC
ARITHMETIC AVERAGE	6684	1.7	5.3		
GEOMETRIC AVERAGE		1.7			
MEDIAN VALUE		1.7	5.3		
MODE		1.7	5.3		
IDEAL SPECIFIC FLOW RATE =	.2 GPM/FT				

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WILLACY COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
MIOCENE SERIES UNDIFFERENTIATED					
6400 MIOCENE	6400	14.0	23.4	WILLIMAR, WEST	55AR
ARITHMETIC AVERAGE		14.0	23.4		
GEOMETRIC AVERAGE		14.0	23.4		
MEDIAN VALUE		14.0	23.4		
MODE		14.0	23.4		
IDEAL SPECIFIC FLOW RATE =	2.3 GPM/FT				
GUEYDAN-CATAHOULA GROUP					
GRABEN A-1	7870	146.0	23.2	WILLIMAR, NORTH	47AE
GRACEN C-1	7950	146.0	23.2	WILLIMAR, NORTH	48AE
N. GRABEN A-1	7970	146.0	20.0	WILLIMAR	A1169
NO. 30 SAND	6025	110.0	20.5	LA SARA	1390
FRIO 1, EAST SAND	7620	185.0	23.2	WILLAMAR	A0970
FRIO 1, EAST	7626	185.0	23.2	WILLAMAR	A 769
7800 FT. SAND	78.0	100.0	20.0	WILLAMAR, WEST	64AG
FRIO SD FAULT SEG A	7820	43.0	19.9	WILLAMAR (GRABEN A-1)	2630
FRIO SD FAULT SEG C	7852	43.0	19.9	WILLAMAR (GRABEN C-1)	2640
WILLAMAR WEST	7920	100.0	20.0	WILLAMAR, WEST	2650
MAIN WEST	7925	66.0	20.0	WILLAMAR, WEST	2660
FRIO	7975	55.7	20.0	WILLAMAR, WEST	A 270
FRIO	7975	55.7	20.0	WILLAMAR, WEST	A 769
8650 FT. SAND	8650		28.0	RIGGAN	41AS
ARITHMETIC AVERAGE	7786	105.3	21.5		
GEOMETRIC AVERAGE		93.9			
MEDIAN VALUE		100.0			
MODE		149.0			
IDEAL SPECIFIC FLOW RATE =	33.0 GPM/FT				

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 * WILLIAMSON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
3100 Ft STRAIN	3100	10.0	18.0	KENKIRK	546K
ARITHMETIC AVERAGE	3100	10.0	18.0		
GEOMETRIC AVERAGE		10.0			
MEDIAN VALUE		10.0			
MODE		10.0			
IDEAL SPECIFIC FLOW RATE =	0.6 GPM/FT				

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WILSON COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
CARRIZO-WILCOX GROUP					
CARRIZO	1000	499.0	32.6	BOWMAN	1AL
BARTOSOH SAND	1600	1000.0	32.9	SCOTTY	4AL
CARRIZO	2100			LYSSY	6AD
ARITHMETIC AVERAGE	1567	749.5	32.7		
GEOMETRIC AVERAGE		706.4			
MEDIAN VALUE		1000.0	32.9		
MODE		517.0	32.6		
IDEAL SPECIFIC FLOW RATE =	11.2 GPM/FT				
MIDWAY GROUP					
POTH A .SAND	1350	1565.0	35.0	LINNE	A1070
POTH A	1354	1565.0	34.0	LINNE	A 270
POTH A .SAND	1354	1565.0	34.0	LINNE, POTH A	A 869
POTH A .SAND	1460	300.0	33.0	WEAVER AND OLSON	A 2A0
POTH A .SAND	1480	500.0	30.0	WEAVER-OLSON	A1169
POTH	1490	500.0	30.0	WEAVER-OLSON	A0371
POTH [AT SAND	1490	500.0	30.0	WEAVER -OLSON (POTH)	A 469
POTH [AT SAND	1490	500.0	30.0	WEAVER -OLSON	A 569
POTH A .SAND	1600	1000.0	35.0	GLORIANA	A0170
POTH A .SAND	1600	1000.0	35.0	GLORIANA	A0371
POTH A .SAND	1604	1000.0	35.0	GLORIANA	A 369
POTH A	1630	2900.0	39.0	GLORIANA	4AS
POTH	1800	2500.0		KAYE	5AD
POTH B	2236	487.0		GLEN HUMMEL*SW	3AS
POTH SAND	2250	196.0	25.0	FLORESVILLE EAST	32A
POTH A .SAND	2300	465.0	31.5	GLEN HUMMEL EAST	3AC
POTH A	2400	1200.0	36.0	GLEN HUMMEL	A 369
POTH A	2406	1200.0	36.0	GLEN HUMMEL (POTH)	34A
POTH SAND	2432	1667.0	36.0	GLEN HUMMEL	A 270
POTH SAND	2758	190.0	34.0	GLEN HUMMEL (POTH)	A 2AC
POTH SAND	2759	190.0	34.0	E. FLORESVILLE	A 369
2800 POTH B	2800	283.0	28.0	E. FLORESVILLE	A 569
				FLORESVILLE*EAST	2AR
ARITHMETIC AVERAGE	1932	977.1	33.2		
GEOMETRIC AVERAGE		728.3			
MEDIAN VALUE		1000.0	34.0		
MODE		497.8	35.5		
IDEAL SPECIFIC FLOW RATE =	14.3 GPM/FT				

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUEYDAN--CATAMOULA GROUP					
L. DAUGHERTY	2922	86.0	19.7	KERMIT	A 670
ARITHMETIC AVERAGE	2922	86.0	19.7		
GEOMETRIC AVERAGE		86.0			
MEDIAN VALUE		86.0	19.7		
MODE		86.0	19.7		
IDEAL SPECIFIC FLOW RATE = 2.9 GPM/FT					
WHITEHORSE GROUP					
COLBY	260	2.3	6.0	WEINER (COLBY)	5761
YATES--SEVEN RIVERS	2550	50.0	18.0	KERMIT	A0570
YATES--SEVEN RIVERS	2550	50.0	18.0	KERMIT	A1069
YATES SAND	2600	7.0	13.5	EMPEROR	841
YATES	2600	40.0	23.0	EMPEROR	851
YATES,7 RIVERS,QUEEN	2700	1.0	15.0	KERMIT	2611
YATES,7 RIVERS,QUEEN	2700	35.0	20.0	KERMIT	2761
YATES,7 RIVERS,QUEEN	2700	35.0	20.0	KERMIT	2771
YATES,SEVEN RIVERS	2750	92.0	16.2	KERMIT	2661
YATES,SEVEN RIVERS	2750	92.0	16.0	KERMIT	2671
YATES,SEVEN RIVERS	2750	92.0	16.2	KERMIT	2681
YATES,SEVEN RIVERS	2750	92.0	16.2	KERMIT	2691
YATES,QUEEN	2750	50.0	18.0	KERMIT	2861
YATES,7 RIVERS,QUEEN	2800	23.0	23.0	KERMIT	2591
YATES,7 RIVERS,QUEEN	2800	16.0	16.0	KERMIT	2631
YATES,7 RIVERS,QUEEN	2800	35.0	20.0	KERMIT	2781
COLBY SAND	2840	8.8	15.0	KERMIT	2791
COLBY SAND	2840	8.8	15.0	WEINER (COLBY)	A 669
COLBY SAND	2870	4.3	14.0	WEINER	A 670
SEVEN RIVERS + QUEEN	2870	4.0	14.0	EMPEROR DEEP	A1069
COLBY SAND	2875	1.0	13.7	EMPEROR	891
SEVEN RIVERS + QUEEN	2877	4.3	14.0	WEINER	A1169
YATES + SEVEN RIVERS	2900	12.0	16.0	EMPEROR (DEEP)	A 569
COLBY	2900	8.6	8.6	SCARBOROUGH	A0570
YATES --SEVEN RIVERS	2930	12.0	16.0	WEINER (COLBY)	5721
YATES	2950	50.0	21.0	SCARBOROUGH	A 769
COLBY SAND	2950	50.0	21.0	EMPEROR	861
COLBY SAND	3000	12.0	14.0	WEINER (COLBY SAND)	5731
COLBY SAND				KEYSTONE	118AF

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WHITEHORSE GROUP					
COLBY	3000	19.4	18.6	WEINER (COLBY)	5741
COLBY	3000	2.0	8.6	EMPEROR (DEEP)	911
SEVEN RIVERS + QUEEN	3000	30.0	17.7	EMPEROR (DEEP)	941
COLBY SAND	3000	21.0	14.2	KEYSTONE (COLBY)	3011
COLBY SAND	3020	5.0	12.3	KEYSTONE (COLBY)	A1070
COLBY SAND	3050	6.0	12.0	KEYSTONE (COLBY)	3081
COLBY SAND	3050	10.0	15.0	KEYSTONE (COLBY)	3111
COLBY SAND	3070	3.0	8.4	EMPEROR (DEEP)	971
COLBY SAND	3070	6.0	16.0	KEYSTONE (COLBY SND)	3001
COLBY	3100	3.0	8.4	EMPEROR (DEEP)	951
COLBY	3100	6.0	11.4	KEYSTONE (COLBY)	2911
COLBY	3140	5.0	12.3	KEYSTONE COLBY	A0570
YATES, 7 RIVERS, QUEEN	3140	35.0	20.0	KERMIT	2741
COLBY SAND	3150	2.0	14.5	KEYSTONE (COLBY)	2991
COLBY SAND	3170	21.0	17.5	KEYSTONE (COLBY SND)	3101
COLBY SAND	3200		12.5	KEYSTONE	1334H
COLBY SAND	3200		20.0	WEINER (COLBY SAND)	5751
COLBY SAND	3200	86.0	18.0	KEYSTONE (COLBY SND)	2951
COLBY	3266		18.0	KEYSTONE (COLBY SND)	2961
COLBY	3266	3.0	13.4	KEYSTONE (COLBY)	2971
COLBY SAND	3268	3.0	13.4	KEYSTONE (COLBY)	2981
COLBY SAND	3300	5.0	13.1	KEYSTONE (COLBY SND)	3021
COLBY SAND	3300	24.0	18.9	KEYSTONE (COLBY SND)	3031
COLBY SAND	3300	12.0	14.0	KEYSTONE (COLBY SND)	3051
COLBY SAND	3300	12.0	14.0	KEYSTONE (COLBY SND)	3061
COLBY SAND	3300	12.0	14.0	KEYSTONE (COLBY SND)	3071
3400 FT (COLBY)	3300	10.0	14.0	KEYSTONE (COLBY)	3151
COLBY SAND	3375		12.5	KEYSTONE (COLBY SND)	3091
COLBY SAND	3400	6.0	14.0	KEYSTONE (COLBY)	3121
COLBY LINE	3450		11.0	KEYSTONE (COLBY)	2901
COLBY SAND	3450	12.0	20.0	KEYSTONE (COLBY SND)	2941
COLBY SAND	3475	60.0	21.0	KEYSTONE (COLBY SND)	3041
YATES	100	9.0	17.4	KERMIT	2831
YATES	1525	70.0	20.0	KERMIT	2521
YATES	1750	9.0	15.0	KERMIT	2651
YATES	2270	90.0	17.0	HENDRICK	1731
YATES	2425		18.0	KERMIT	A 769
HENDRICK	2575		11.0	HANDRICK	A 369
YATES+QUEEN	2600		18.0	KERMIT	2891
YATES	2609	30.0	22.0	WARU-ESTES, NORTH	A 569
YATES SAND	2700	8.0	17.5	HENDRICK	1751
YATES SAND	2700	1.0	15.0	KERMIT	2601
YATES SAND	2700	1.0	20.0	KERMIT	2841
YATES	2740		21.0	KERMIT	2481
YATES	2780	22.0	18.0	KERMIT	2531
YATES	2800	23.0	21.0	SCARBOROUGH	4231
YATES	2800	100.0	20.0	KERMIT	2721
YATES SAND	2800	1.0	15.0	KERMIT	2871

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WHITEHORSE GROUP					
YATES-QUEEN	2800	50.0	18.0	KERMIT	2881
YATES	2805	6.0	19.9	HALLEY	1541
YATES	2806	100.0	20.0	KERMIT	2491
YATES	2900	11.0	15.0	SCARBOROUGH	4211
YATES	2900	20.0	21.0	HALLEY	1511
YATES-SEVEN RIVERS	2900	14.0	18.7	HENDRICK	1741
YATES	2900	29.0	18.0	KERMIT	2701
YATES-SAND	2920	34.0	18.0	KERMIT YATES	A 469
YATES-SAND	2920	6.0	15.0	KERMIT	A1269
YATES	2945	15.0	15.9	KERMIT	2751
YATES	2950	20.0	20.0	KERMIT	2461
YATES	2950	20.0	20.0	HALLEY	1551
YATES	3000	40.0	18.0	HALLEY	1561
YATES	3000	38.0	18.1	SCARBOROUGH	4221
YATES	3000	50.0	20.0	SCARBOROUGH	4231
YATES	3000	50.0	20.0	SCARBOROUGH	4331
YATES	3000	50.0	20.0	SCARBOROUGH	4341
YATES	3100	41.0	19.5	KERMIT	2471
YATES	3125	75.0	22.0	SCARBOROUGH	4241
YATES	3126	12.0	22.5	SCARBOROUGH,NORTH	4347
YATES-SAND	3200	16.0	19.0	SCARBOROUGH	126AF
YATES	3200	3.0	16.0	SCARBOROUGH	4261
YATES	3200	27.0	18.1	SCARBOROUGH	4291
YATES	3200	3.0	13.0	SCARBOROUGH	4301
YATES	3200	3.0	16.0	SCARBOROUGH	4311
YATES	3200	30.0	21.0	SCARBOROUGH,NORTH	4371
YATES	3200	1.0	18.0	KERMIT	2711
SEVEN RIVERS	2879	11.0	10.0	SCARBOROUGH	A 469
QUEEN SAND	2700	27.0	18.0	EMPEROR (DEEP)	921
QUEEN	2888	10.0	7.0	KERMIT	A 769
QUEEN	3100	15.0	10.0	KERMIT	2801
QUEEN SAND	3110	30.0	18.5	HALLEY, SOUTH	A 370
QUEEN	3113	20.0	18.5	HALLEY,SOUTH	1661
QUEEN	3113	12.0	18.5	HALLEY, SOUTH	112AF
QUEEN	3150	15.0	15.0	KERMIT	2851
QUEEN	3204	20.0	15.0	DARMER	A 369
QUEEN	3210	15.0	10.0	KERMIT	2641
QUEEN	3300	17.0	17.7	KEYSTONE (COLBY SND)	3141
GRAYBURG	3249	2.4	5.9	KERMIT	101A1
ARITHMETIC AVERAGE	2906	25.2	16.4		
GEOMETRIC AVERAGE		14.2	17.4		
MEDIAN VALUE		16.0	18.7		
MODE		12.9			
IDEAL SPECIFIC FLOW RATE *					0.4 GPM/FT

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GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
HOLT	4700	58.0	18.0	KEYSTONE (HOLT)	3221
HOLT	4700	58.0	18.0	KEYSTONE (HOLT)	3231
HOLT	4700	58.0	18.0	KEYSTONE	178AN
SAN ANGELO (HOLT)	4765	6.0	21.6	EMPEROR (HOLT)	981
GLORIETA	4895	12.9	11.9	HALLEY	95A1
HOLT	4786	6.1	21.7	EMPEROR (HOLT)	A 370
ARITHMETIC AVERAGE	4758	33.2	18.2		
GEOMETRIC AVERAGE		21.3			
MEDIAN VALUE		58.0	18.0		
MODE		52.1	18.3		
IDEAL SPECIFIC FLOW RATE =	3.3 GPM/FT				

LEONARD (SUR-DIVIDED) SERIES UNDIFFERENTIATED					
CLEARFORK	5162	5.0	6.0	HALLEY	100AE
CLEARFORK	5200	4.4	7.7	KEYSTONE	132AH
TUBB	5636	6.0	10.0	MONAHANS, NORTH	189AN
CLEARFORK	5839	4.4	7.7	KEYSTONE	A 369
TUBB-DOLomite	6400	4.0	7.1	KEYSTONE,SOUTH	3261
ARITHMETIC AVERAGE	5647	4.4	7.7		
GEOMETRIC AVERAGE		4.7			
MEDIAN VALUE		4.4	7.7		
MODE		4.4	7.8		
IDEAL SPECIFIC FLOW RATE =	4.4 GPM/FT				

PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENN	8064	40.0	10.0	SEALY-SMITH,EAST	120AS
PENNSYLVANIAN	8390	13.0	11.0	ARENOSO	51
ARITHMETIC AVERAGE	8227	26.5	10.5		
GEOMETRIC AVERAGE		22.8			
MEDIAN VALUE		40.0	11.0		
MODE		13.8	10.1		
IDEAL SPECIFIC FLOW RATE =	1.9 GPM/FT				
CANYON GROUP					
CANYON	8500	360.0	11.6	DARNER	82AS
ARITHMETIC AVERAGE	8500	360.0	11.6		
GEOMETRIC AVERAGE		360.0			
MEDIAN VALUE		360.0	11.6		
MODE		360.0	11.6		
IDEAL SPECIFIC FLOW RATE =	51.5 GPM/FT				

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WINKLER COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAWN GROUP					
STRAWN-DETRITUS	8500	123.0	11.0	ARENOSO	A0570
STRAWN-DETRITUS	8500	73.0	9.5	ARENOSO	A0570
STRAWN-DETRITUS	8500	73.0	9.5	ARENOSO	41
STRAWN-DETRITUS	8587	123.0	11.5	ARENOSA	90AH
STRAWN-DETRITUS	8587	73.0	9.5	ARENOSA	69AS
ARITHMETIC AVERAGE	8535	93.0	10.2		
GEOMETRIC AVERAGE		89.9			
MEDIAN VALUE		73.0	9.5		
MODE		75.0	9.6		
IDEAL SPECIFIC FLOW RATE =	10.7 GPM/FT				
DEVONIAN SYSTEM UNDIFFERENTIATED					
DEVONIAN	7900	8.0	8.7	KEYSTONE (DEVONIAN)	3171
DEVONIAN	8040	8.3	8.7	KEYSTONE	130AG
DEVONIAN	9233	36.0	7.0	AW	87AR
DEVONIAN	9460	7.0	10.0	HALLEY (DEVONIAN)	1611
DEVONIAN	9600	52.0	9.5	HALLEY (DEVONIAN)	1621
DEVONIAN	9800	14.0	3.9	MONAHAN'S, NORTH	108AI
DEVONIAN	9884		9.5	HALLEY (DEVONIAN)	1601
DEVONIAN	10200	17.0	8.7	MONAHAN'S, NORTH	3831
ARITHMETIC AVERAGE	9265	20.3	8.2		
GEOMETRIC AVERAGE		15.4			
MEDIAN VALUE		14.0	8.7		
MODE		7.8	8.5		
IDEAL SPECIFIC FLOW RATE =	1.2 GPM/FT				
SILURIAN SYSTEM UNDIFFERENTIATED					
SILURIAN	7550	7.2	6.4	KEYSTONE (SILURIAN)	A0870
SILURIAN	7550	7.0	6.4	KEYSTONE	3251
SILURIAN	8500	8.8	3.7	KEYSTONE	131AG
SILURIAN	8500	7.0	3.1	KEYSTONE	68AO
ARITHMETIC AVERAGE	8025	7.5	4.9		
GEOMETRIC AVERAGE		7.5			
MEDIAN VALUE		7.2	6.4		
MODE		7.1	6.2		
IDEAL SPECIFIC FLOW RATE =	.9 GPM/FT				
FUSSELMAN					
		70.0	10.7	AW	88AP
SILURIAN LOW-MID SERIES UNDIFFERENTIATED					
		9717			

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WINKLER COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
SILURIAN LOW-MID SERIES UNDIFFERENTIATED					
FUSSELLMAN	10100		5.0	MONAHANS, NORTH	109AI
ARITHMETIC AVERAGE	9908	70.0	7.8		
GEOMETRIC AVERAGE		70.0			
MEDIAN VALUE		70.0	10.7		
MODE		70.0	5.3		
IDEAL SPECIFIC FLOW RATE =	12.7 GPM/FT				
MONTOKA GROUP					
MONTOKA	10200	3.0	14.0	MONAHANS, NORTH	138AH
MONTOKA	10300	15.0	5.0	HALLEY (MONTOKA)	164I
MONTOKA	10300	5.0	9.1	HALLEY (MONTOKA)	165I
MONTOKA	10350		6.2	HALLEY (MONTOKA)	163I
ARITHMETIC AVERAGE	10287	7.7	8.6		
GEOMETRIC AVERAGE		6.1			
MEDIAN VALUE		5.0	9.1		
MODE		3.3	5.5		
IDEAL SPECIFIC FLOW RATE =	0.6 GPM/FT				
ELLENBURGER GROUP					
ELLENBURGER	9500		2.6	KEYSTONE (ELLENBURGER)	320I
ELLENBURGER	9965		2.6	KEYSTONE	A 369
ELLENBURGER	10700	54.0	1.2	WHEELER	233AN
ELLENBURGER	10744		2.5	KERMIT	129AG
ELLENBURGER	11364	25.0	1.4	AW	199AP
ARITHMETIC AVERAGE	10455	39.5	2.1		
GEOMETRIC AVERAGE		36.7			
MEDIAN VALUE		54.0	2.5		
MODE		26.0	2.5		
IDEAL SPECIFIC FLOW RATE =	4.9 GPM/FT				

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WISE COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
CONGLOMERATE	5700	6.0	12.0	CHICO, WEST	178AJ
ARITHMETIC AVERAGE	5700	6.0	12.0		
GEOMETRIC AVERAGE		6.0			
MEDIAN VALUE		6.0	12.0		
MODE		6.0	12.0		
IDEAL SPECIFIC FLOW RATE =	.7 GPM/FT				
STRAWN GROUP					
BRYSON	1895	23.0	18.0	KAKER	154AG
BRYSON	2869	30.0	18.0	ALVORD	158AH
BRYSON (STRAWN)	2900	40.6	17.4	ALVORD, SOUTHEAST	14K
BRYSON (STRAWN) 3000	3000	100.0	20.0	ALVORD	A0570
BRYSON SAND	3000	100.0	20.0	ALVORD	A1270
BRYSON	3000	100.0	20.0	ALVORD	12K
STRAWN	3000	50.0	23.0	ALVORD	150AG
3018 FT. BRYSON	3023		15.0	ALVORD SOUTH	144AC
BRYSON	3030	44.0	18.0	ALVORD, EAST	103AE
BRYSON (STRAWN)	3034	30.0	22.0	ALVORD, EAST	A 369
3100 STRAWN SAND	3100	16.0	14.0	KENKIRK	545K
BRYSON	3100	30.0	14.2	KENKIRK	134AR
STRAWN	3100	115.0	21.0	ALVORD, SOUTH	104AE
STRAWN SAND	4000	14.0	14.8	CAUGHLIN	A0371
STRAWN SAND	4000	14.0	14.8	CAUGHLIN STRAWN	A1070
4000 FT. STRAWN	4050	10.0	15.0	CAUGHLIN	A0271
4000 FT. STRAWN SAND	4050	12.5	14.8	CAUGHLIN	205K
4120 CADD0	4050	14.0	15.7	CAUGHLIN	207K
TIDWELL	4120	100.0	14.5	HOONSVILLE	140AS
4200 FT. STRAWN	4192		17.5	BRIDGEPORT	164AD
STRAWN	4200	20.0	12.0	LESTER-RAWLE	169AD
TIDWELL (STRAWN)	4200	30.0	16.0	LESTER-RAWLE	156AG
4200 FT. STRAWN	4208	5.0	12.9	LESTER-RAWLE	A 769
STRAWN	4233	6.5	12.3	LESTER-RAWLE	118AE
LOWER D. STRAWN	4270	12.0	15.0	MORRIS	157AG
4400 FT. STRAWN	4458	16.0	12.0	TIDWELL	169AC
4670 CADD0 CONGL.	4590	14.0	18.0	CAUGHLIN	108AE
CADD0 CONGLOMERATE	5038		13.0	BRIDGEPORT	150AC
				WHITEHALL	175AC

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WISSE COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAWN GROUP					
CADDO	5212	56.0	11.0	CHICO, WEST	A 869
CADDO	5250	56.0	11.0	CHICO #EST	213K
CADDO	5440		14.0	ALVORD SOUTH	143AC
CADDO OONGLOMERATE	5700	45.0	11.8	ALVORD, SOUTH	13K
CADDO OONGLOMERATE	5713	45.0	12.0	ALVORD, SOUTH	A 670
CADDO OONGLOMERATE	5800	37.0	12.8	ALVORD SOUTH	A0170
CADDO-OONGLOMERATE	5900	56.0	11.6	CHICO, WEST	148AM
CADDO-OONGLOMERATE	6500	10.0	15.0	CAUGHLIN	A 269
ARITHMETIC AVERAGE	4190	39.2	15.2		
GEOMETRIC AVERAGE		28.8			
MEDIAN VALUE		30.0	14.8		
MODE		53.2	11.6		
IDEAL SPECIFIC FLOW RATE =	4.0 GPM/FT				

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
ATOKA GROUP UNDIFFERENTIATED					
5050 FT. ATOKA LM.	5050	13.0	16.0	LEFTWICK	162AC
5300 FT. ATOKA CONG.	5300		13.0	BRIDGEPORT	162AD
5330 OONGLOMERATE	5330		15.4	MORRIS	151AS
5400 FT. ATOKA CONG.	5400	.6	10.4	MORRIS	143AF
UPPER ATOKA CONG.	5450	14.2	16.0	LEFTWICK	163AH
5500 FT. ATOKA CONG.	5500	23.0	14.8	MORRIS	144AF
UPPER ATOKA CONG.	5530	14.0	15.0	LEFTWICK	155AG
5560 FT. ATOKA LM.	5560		19.0	LEFTWICK	163AC
ATOKA	5650		15.5	BOONSVILLE, SOUTH	107AE
5700 ATOKA COMGL.	5700		14.0	BRIDGEPORT	152AC
5900 FT. ATOKA CONG.	5900	2.1	11.0	MORRIS	145AF
LOWER ATOKA CONGL.	5943		18.0	ASHE RANCH	145AC
6000 ATOKA COMGL.	6000		16.0	BRIDGEPORT	153AC
6000 FT. ATOKA CONG.	6000	4.8	18.0	BRIDGEPORT	163AD
ATOKA OONGLOMERATE	6260		15.0	BOONVILLE	152AG
5250 ATOKA COMGL.	6276		19.0	BRIDGEPORT	151AC
ARITHMETIC AVERAGE	5678	10.2	15.4		
GEOMETRIC AVERAGE		6.2			
MEDIAN VALUE		13.0	15.5		
MODE		13.5	15.1		
IDEAL SPECIFIC FLOW RATE =	1.6 GPM/FT				
REND GROUP					
5950 FT. MARBLE FALLS	5950		13.0	ASHE RANCH	146AC
ARITHMETIC AVERAGE			13.0		
GEOMETRIC AVERAGE			13.0		
MEDIAN VALUE			13.0		
MODE			13.0		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT				

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WOOD COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
EAGLE FORD GROUP					
SUB-CLARKSVILLE	405.4	566.0	25.0	QUITMAN	85AN
SUB-CLARKSVILLE	4066	876.0	27.2	COKE	72AG
EAGLE FORD	4312	50.0	25.0	QUITMAN	84AN
SUB-CLARKSVILLE	4400	804.0	23.5	MIDWAY LAKE	78AN
SUB-CLARKSVILLE	4450	726.0	23.7	MIDWAY LAKE	36F
SUB-CLARKSVILLE	4700	428.0	25.4	NOLAN EDWARDS	ROAN
SUB-CLARKSVILLE	4800	300.0	22.3	MERIGALE-PAUL	35F
2ND SUB-CLARKSVILLE	4800	500.0	25.0	PINE MILLS	40F
SUB-CLARKSVILLE	4826	500.0	25.0	PINE MILLS	82AN
HARRIS SAND	4850	928.0	28.7	FOREST HILL	20F
SUB-CLARKSVILLE	5100	250.0	24.0	NOLAN EDWARDS	39F
SUB-CLARKSVILLE	4100	240.0	21.4	ALBA	A109
SUB-CLARKSVILLE	4450	726.0	23.7	MIDWAY LAKE	A1069
SUB-CLARKSVILLE	4760	500.0	25.0	PINE MILLS, EAST	A 369
ARITHMETIC AVERAGE	4548	513.9	24.7		
GEOMETRIC AVERAGE		429.4			
MEDIAN VALUE		500.0	25.0		
MODE		451.9	24.7		
IDEAL SPECIFIC FLOW RATE =	48.5 GPM/FT				

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WOODBINE GROUP					
WOODBINE A-1	3450	60.0	28.0	TRIX-LIZ	77AG
WOODBINE SAND	4250	800.0	24.6	HAWKINS	A0870
WOODBINE SAND	4400	3396.0	27.9	HAWKINS	A0970
WOODBINE	4875	975.0	24.6	HAWKINS	A 369
WOODBINE	5170	589.0	27.0	PRICE	A 770
WOODBINE (A)	5300	2000.0	25.0	PINE MILLS	41F
WOODBINE	5405	2000.0	25.0	PINE MILLS	A 670
WOODBINE (WAGGONER)	5500	500.0	25.0	PINE MILLS	42F
WOODBINE	5600	500.0	25.0	EARL LEE	7F
ARITHMETIC AVERAGE	4813	1202.2	25.8		
GEOMETRIC AVERAGE		768.6			
MEDIAN VALUE		800.0	25.1		
MODE		563.6	25.1		
IDEAL SPECIFIC FLOW RATE =	67.8 GPM/FT				

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WOOD COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
WASHITA GROUP					
6308 FT.	6308	860.0	19.6	MANZIEL	76AN
ARITHMETIC AVERAGE		860.0	19.6		
GEOMETRIC AVERAGE		860.0	19.6		
MEDIAN VALUE		860.0	19.6		
MODE		860.0	19.6		
IDEAL SPECIFIC FLOW RATE =	157.1 GPM/FT				
FREDERICKSBURG (EDWARDS UNDIVIDED) GROUP					
PALUXY	6100	830.0	19.6	MANZIEL	74AG
PALUXY	6298	1175.0	21.6	COKE	71AG
PALUXY	6350	1175.0	21.6	COKE	71AN
PALUXY SAND	6350	599.0	21.9	QUITMAN	73AN
PALUXY	6350	599.0	21.9	QUITMAN	18AL
PALUXY	6352	265.0	16.0	QUITMAN, NORTHWEST	75AG
PALUXY	7825	118.0	21.9	QUITMAN, NORTHWEST PINE MILLS	81AN
ARITHMETIC AVERAGE	6510	680.1	20.6		
GEOMETRIC AVERAGE		536.9			
MEDIAN VALUE		599.0	21.6		
MODE		665.8	21.6		
IDEAL SPECIFIC FLOW RATE =	128.9 GPM/FT				
TRINITY GROUP					
RODESSA	6400	15.0	15.0	QUITMAN	96AJ
RODESSA-HILL	7880	1.5	17.3	SQUASH HOLLOW	37AO
KIRKLAND	8000	23.0	15.5	QUITMAN, EAST	59AF
KIRKLAND	8000	46.0	13.9	QUITMAN, NORTHWEST	60AF
KIRKLAND	8000	40.0	15.6	QUITMAN, SOUTHWEST	61AF
RODESSA-CLOYD	8030	51.4	16.1	SQUASH HOLLOW	38AO
ROBINSON	8147	137.0	20.0	COKE	60AH
8275 GLOYD	8275	180.0	16.0	COKE	61AH
WEST KIRKLAND	8350	102.0	23.5	QUITMAN	75AH
KIRKLAND	8390	40.0	15.6	QUITMAN GOLDSMITH	63AF
RODESSA LIMESTONE	8414	311.0	18.9	QUITMAN, SOUTHWEST	62AF
KIRKLAND	8421	6.0	14.0	QUITMAN GOLDSMITH SE	64AF
RODESSA LIMESTONE	8456	98.0	19.0	QUITMAN GOLDSMITH SE	65AF
ARITHMETIC AVERAGE	8059	80.8	17.0		
GEOMETRIC AVERAGE		40.9			
MEDIAN VALUE		46.0	16.0		
MODE		49.8	15.3		
IDEAL SPECIFIC FLOW RATE =	14.1 GPM/FT				

T E X A S W A T E R D E V E L O P M E N T B O A R D
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YOAKUM COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
GUADALUPE (UNDIVIDED) SERIES UNDIFFERENTIATED					
SAN ANDRES	4950	5.0	12.0	WASSON	A 167J
SAN ANDRES	5037	4.2	8.4	WASSON	A 171
SAN ANDRES	5100	5.0	10.0	WASSON	A 0970
SAN ANDRES	5100	3.0	7.0	WASSON	A 1070
SAN ANDRES	5100	3.0	7.0	WASSON	A 1169
SAN ANDRES	5100	5.0	10.0	WASSON	A 1270
SAN ANDRES	5100	4.0	9.0	WASSON	A 1270
SAN ANDRES	5100	.1	7.0	WASSON	165J
SAN ANDRES	5100	4.2	8.4	WASSON	166J
SAN ANDRES	5100	4.0	9.0	WASSON	168J
SAN ANDRES	5100	5.0	10.0	WASSON	170J
SAN ANDRES	5190	3.0	7.0	WASSON	A 270
SAN ANDRES	5190	4.0	9.0	WASSON	A 270
SAN ANDRES	5190	4.0	9.0	WASSON	A 669
SAN ANDRES	5200	1.7	9.9	WASSON	A 0470
SAN ANDRES	5200	1.7	10.0	WASSON	A 0570
SAN ANDRES	5200	1.7	8.7	WASSON	10J
SAN ANDRES	5215	1.7	9.9	WASSON	A 669
SAN ANDRES	5218	1.7	8.7	WASSON	A 1269
SAN ANDRES	5225	5.0	10.0	WASSON	A 769
SAN ANDRES	5248	1.1	9.5	WASSON	102AF
SAN ANDRES	5255	.5	14.0	WASSON	A 469
SAN ANDRES	5258	714.0	8.4	WASSON	A 670
SAN ANDRES	5258	1.5	9.2	WASSON	95J
SAN ANDRES	5258	1.5	9.2	WASSON	143AH
SAN ANDRES	5265	2.0	9.0	WASSON	A 369
SAN ANDRES	5300	1.8	7.6	WASSON	104AK
SAN ANDRES	5300	1.7	9.9	WASSON	8J
SAN ANDRES	5301	.5	7.0	WASSON	9J
SAN ANDRES	5544	3.0	11.6	WASSON	56AA
SAN ANDRES	5650	3.1	14.0	WASSON	133AF
GLORIETA	5940	11.0	10.4	WASSON	193AN
GLORIETA	5950	10.0	11.8	WASSON	85J
GLORIETA	5965	10.0	11.5	WASSON	A 770
ARITHMETIC AVERAGE	5271	24.4	9.5		
GEOMETRIC AVERAGE		3.0			
MEDIAN VALUE		3.0			
IDEAL SPECIFIC FLOW RATE =		2.5	10.2		

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YOAKUM COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
LEONARD (SUR-DIVIDED) SERIES UNDIFFERENTIATED					
UPPER CLEARFORK	6450	15.2	6.2	PRENTICE 6700	A0170
UPPER CLEARFORK	6450	15.2	6.2	PRENTICE	A1270
UPPER CLEARFORK	6450	1.8	5.3	PRENTICE	87J
CLEARFORK	7739	2.3	6.8	OWNBY	135AG
LOWER CLEARFORK	7800	9.0	5.0	WASSON, NORTHEAST PRENTICE	101AE 93AE
ARITHMETIC AVERAGE	6915	8.7	5.9		
GEOMETRIC AVERAGE		6.1			
MEDIAN VALUE		9.0	6.2		
IDEAL SPECIFIC FLOW RATE =	1.6 GPM/FT	13.7	6.2		
WICHITA GROUP					
WICHITA ALBANY	8136		5.0	WASSON, SOUTHEAST	159AD
WICHITA-ALBANY	8400	20.0	4.3	WASSON	134AF
ARITHMETIC AVERAGE	8268	20.0	4.7		
GEOMETRIC AVERAGE		20.0			
MEDIAN VALUE		20.0	5.0		
IDEAL SPECIFIC FLOW RATE =	3.0 GPM/FT	20.0	4.3		
WOLFCAMP SERIES UNDIFFERENTIATED					
WOLFCAMP	9930	27.0	6.5	TOKIO, SOUTH	132AM
ARITHMETIC AVERAGE	9930	27.0	6.5		
GEOMETRIC AVERAGE		27.0			
MEDIAN VALUE		27.0	6.5		
IDEAL SPECIFIC FLOW RATE =	5.3 GPM/FT	27.0	6.5		
PENNSYLVANIAN SYSTEM UNDIFFERENTIATED					
PENNSYLVANIAN	8790		5.8	WASSON	123AH
PENN	8790		5.8	WASSON	64AQ
ARITHMETIC AVERAGE	8790		5.8		
GEOMETRIC AVERAGE					
MEDIAN VALUE			5.8		
IDEAL SPECIFIC FLOW RATE =	0.0 GPM/FT		5.8		

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
YOAKUM COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
MISSISSIPPIAN SYSTEM UNDIFFERENTIATED					
MISSISSIPPIAN	10880	5.0	12.0	BRAMANEY	80AC
ARITHMETIC AVERAGE	10880	5.0	12.0		
GEOMETRIC AVERAGE		5.0	12.0		
MEDIAN VALUE		5.0	12.0		
MODE		5.0	12.0		
IDEAL SPECIFIC FLOW RATE =	1.1 GPM/FT				
DEVONIAN SYSTEM UNDIFFERENTIATED					
DEVONIAN	11100	3.0	8.0	WEST	127AI
DEVONIAN	11100	10.0	4.2	WEST	147AG
DEVONIAN	11263	28.0	2.7	JONES RANCH	70AO
DEVONIAN	12000	67.0	2.7	FIELDS	110AK
DEVONIAN	12000		8.0	FIELDS	219AL
DEVONIAN	12530	2.9	5.5	BLOCK 6	111AD
ARITHMETIC AVERAGE	11665	22.2	5.2		
GEOMETRIC AVERAGE		11.0	5.5		
MEDIAN VALUE		10.0	3.0		
MODE		3.4			
IDEAL SPECIFIC FLOW RATE =	.8 GPM/FT				
HUNTON GROUP					
SILURO-DEVONIAN	11500	148.0	5.8	BRONCO	107AM
ARITHMETIC AVERAGE	11500	148.0	5.8		
GEOMETRIC AVERAGE		148.0	5.8		
MEDIAN VALUE		148.0	5.8		
MODE		148.0	5.8		
IDEAL SPECIFIC FLOW RATE =	34.1 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD
SALINE WATER RESOURCES SURVEY

OF THE

STATE OF TEXAS

AQUIFER ROCK PROPERTIES

YOUNG COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
TUBB	5344	2.2	15.4	JANELLE+SOUTHEAST	93AS
ARITHMETIC AVERAGE		2.2	15.4		
GEOMETRIC AVERAGE		2.2	15.4		
MEDIAN VALUE		2.2	15.4		
IDEAL SPECIFIC FLOW RATE =	.3 GPM/FT				

LEONARD (SUB-DIVIDED) SERIES UNDIFFERENTIATED

CISCO GROUP

GUNSLIGHT SAND	250	123.0	24.0	YOUNG CO. REGULAR	1095K
GUNSLIGHT SAND	450	420.0	26.0	YOUNG CO. REGULAR	1038K
GUNSLIGHT SAND	500	285.0	24.0	YOUNG CO. REGULAR	1036K
GUNSLIGHT SAND	550	800.0	25.0	YOUNG CO. REGULAR	1088K
GUNSLIGHT SAND	564	19.2	18.5	YOUNG CO. REGULAR	A 270
CISCO	606	20.0	20.0	YOUNG COUNTY REGULAR	A 171
GUNSLIGHT SAND	606	20.0	20.0	YOUNG CO. REG.	A 669
GUNSLIGHT SAND	650	500.0	26.0	YOUNG CO. REGULAR	1083K
GUNSLIGHT SAND	720	1000.0	23.4	YOUNG CO. REGULAR	1073K
750 FT. GUNSLIGHT	750	1000.0	28.0	YOUNG CO. REGULAR	1044K
GUNSLIGHT SAND	750	150.0	24.0	YOUNG CO. REGULAR	1045K
GUNSLIGHT SAND	750	500.0	24.0	YOUNG CO. REGULAR	1086K
GUNSLIGHT SAND	750	100.0	24.0	YOUNG CO. REGULAR	1087K
GUNSLIGHT SAND	760	40.0	22.0	YOUNG CO. REGULAR	1047K
GUNSLIGHT SAND	780	160.0	18.0	YOUNG COUNTY REGULAR	A0970
GUNSLIGHT SAND	890	400.0	28.0	YOUNG COUNTY REG.	A0170
GUNSLIGHT SAND	900	851.0	24.0	YOUNG CO. REGULAR	1076K
GUNSLIGHT SAND	992	40.0	24.0	YOUNG CO. REGULAR	1048K
GUNSLIGHT SAND	1030	32.0	26.0	YOUNG CO. REGULAR	1049K
GUNSLIGHT SAND	1100	100.0	25.0	YOUNG CO. REGULAR	1040K
GUNSLIGHT SAND	1200	35.0	15.0	YOUNG CO. REGULAR	1041K
GUNSLIGHT SAND	1200	50.0	15.0	YOUNG CO. REGULAR	1042K
ARITHMETIC AVERAGE	761	302.1	22.9		
GEOMETRIC AVERAGE		140.1	24.0		
MEDIAN VALUE		150.0	23.5		
IDEAL SPECIFIC FLOW RATE =	.3 GPM/FT	35.4			

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
 YOUNG COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
STRAWN GROUP					
1800 FT STRAWN SAND	1790	143.0	15.5	WESLEY	736K
STRAWN	1900	79.0	21.0	MAXEY	2544L
1900 FT.	1900	190.0	20.0	EASTERLY	152AM
STRAWN	2100	250.0	17.0	ELKINS	369K
BUTTRAM	2175	145.0	21.1	BLOUNT	251AL
2400 FT STRAWN	2400	100.0	18.7	KENDALL	544K
STRAWN	2600	20.0	16.0	YOUNG CO. REGULAR	1085K
2700 FT SAND	2670	23.0	18.0	CDC 2700 FT	204K
STRAWN SAND	2700	23.0	25.0	CDC (2700) SAND	146AM
2700 FT.	2700	100.0	18.0	KNOX	A 569
STRAWN SAND	2715	150.0	19.0	ALLAR	10K
STRAWN	2750	830.0	21.0	JAMES,E.	466K
STRAWN SAND	2790	35.0	16.2	BOREN	179K
STRAWN	2900	144.0	18.8	MARKLEY	168AM
2900 FT. SAND	2900	13.0	15.0	A STIN	249AL
STRAWN	2973	327.0	20.0	PRIDEAUX (STRAWN)	A 869
BUTRAM (FRY) SAND	3004	50.0	18.0	YOUNG COUNTY REGULAR	A0570
STRAWN 3100 FT.	3100	96.0	17.0	YOUNG COUNTY REGULAR	A0870
3100 FT. STRAWN SAND	3100	150.0	18.0	YOUNG CO. REGULAR	A1269
STRAWN SAND	3105	150.0	18.0	BURNS-RAGLAND	A0870
3200 FT. STRAWN SAND	3193	125.0	19.9	B-G STRAWN, LOWER	A 370
STRAWN SAND	3304	180.0	19.5	MARKLEY, SW	78AD
STRAWN	3400	104.0	20.0	WILTON,NORTH	1025K
BRYSON SAND	3445	30.0	17.1	WILTON,NORTH	1024K
STRAWN	3450	30.0	15.0	YOUNG CO. REGULAR	A1269
3450 FT. STRAWN SAND	3453	95.0	19.8	YOUNG CO. REGULAR	A1269
3490 FT. STRAWN SAND	3493	95.0	19.0	YOUNG CO. REGULAR	A1269
STRAWN	3500	47.0	15.2	LANKSTON-KLEINER	253AL
STRAWN	3500	62.0	18.6	GARVEY	156AM
BRYSON	3550	5.0	15.0	PRIDEAUX	657K
STRAWN	3646	15.0	16.0	MARKLEY	167AM
CADDO	3745	19.0	12.0	MURRAY	641K
CADDO	4229	19.0	20.0	WEST LAKE	143AR
CONGLOMERATE	4297	19.0	18.0	WALSH,WEST	159AS
ARITHMETIC AVERAGE	3014	122.4	18.1		
GEOMETRIC AVERAGE		73.2			
MEDIAN VALUE		96.0	18.0		
MODE		85.9	20.5		
IDEAL SPECIFIC FLOW RATE =	4.2 GPM/FT				
HEND GROUP					
MCLESTER	3920	1.0	17.0	YOUNG CO. REGULAR	1075K
MCLESTER SAND	3950	14.0	18.0	YOUNG CO. REGULAR	1063K
CONGLOMERATE	4400	130.0	16.0	LOU-KEN	166AH
ARITHMETIC AVERAGE	4090	48.3	17.0		
GEOMETRIC AVERAGE		12.2			
MEDIAN VALUE		14.0	17.0		
MODE		1.3	16.1		
IDEAL SPECIFIC FLOW RATE =	0.1 GPM/FT				

TEXAS WATER DEVELOPMENT BOARD - SALINE WATER RESOURCES SURVEY OF THE STATE OF TEXAS
YOUNG COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCS	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
MISSISSIPPIAN SYSTEM UNDIFFERENTIATED					
MISSISSIPPIAN	4300	60.0	15.0	ED BISHOP	131AI
MISSISSIPPIAN	4418	500.0	15.0	SALT FORK, SOUTH	73AO
MISSISSIPPIAN	4480	5.0	9.0	HINES	116AE
MISSISSIPPIAN	4500		6.5	FINIS, SOUTHWEST	113AF
MISSISSIPPIAN	4532	110.0	11.0	WELLS	192AJ
MISSISSIPPIAN	4650	112.0	12.0	WELLS, SE	80AO
MISSISSIPPIAN	5036		8.0	OLNEY, NORTH	68AP
ARITHMETIC AVERAGE	4559	157.4	10.9		
GEOMETRIC AVERAGE		71.3			
MEDIAN VALUE		110.0	11.0		
MODE		102.4	14.6		
IDEAL SPECIFIC FLOW RATE =	9.2 GPM/FT				
MERAMEC - OSAGE SERIES UNDIFFERENTIATED					
MISSISSIPPI LIME	4548	130.0	13.5	DORAN-KING	179AJ
MISSISSIPPI LIME	4895	20.0	4.9	HILBERS	77AO
ARITHMETIC AVERAGE	4721		9.2		
GEOMETRIC AVERAGE		75.0			
MEDIAN VALUE		51.0			
MODE		130.0	13.5		
IDEAL SPECIFIC FLOW RATE =	2.1 GPM/FT	22.1	5.3		

T E X A S W A T E R D E V E L O P M E N T B O A R D
S A L I N E W A T E R R E S O U R C E S S U R V E Y

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GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
JACKSON GROUP					
COLE	150	2800.0	32.0	CHARCO REDONDO	68D
COLE	340	278.0	35.0	CHARCO REDONDO	67D
LATHAM SAND	640	1500.0	32.9	BOYCOTT	93AL
MANILA	2410	330.0	29.0	EDLASTER, WEST	A0970
MIRANDO 1200-1300	1300	1018.0	20.0	ESCOBAS	77D
SECOND MIRANDO	1400	700.0	30.0	ESCOBAS	78D
ARITHMETIC AVERAGE	1042	1104.5	30.0		
GEOMETRIC AVERAGE		806.7	32.9		
MEDIAN VALUE		1018.0	32.8		
MODE		315.2			
IDEAL SPECIFIC FLOW RATE =	3.9 GPM/FT				
CLAIBORNE GROUP					
3000 FT. SAND	3000	75.0	24.5	JENNINGS, WEST	107AL
ARITHMETIC AVERAGE		75.0	24.5		
GEOMETRIC AVERAGE		75.0	24.5		
MEDIAN VALUE		75.0	24.5		
MODE		75.0	24.5		
IDEAL SPECIFIC FLOW RATE =	3.9 GPM/FT				

T E X A S W A T E R D E V E L O P M E N T B O A R D
SALINE WATER RESOURCES SURVEY

OF THE
STATE OF TEXAS
AQUIFER ROCK PROPERTIES
ZAVALA COUNTY

GEOLOGICAL FORMATION (LOCAL NAME)	AVERAGE DEPTH FEET	AVERAGE PERMEABILITY MILLIDARCIES	AVERAGE POROSITY PERCENT	LOCATION OF SAMPLE POINT (FIELD NAME)	REF. NO.
NAVARRO GROUP					
ELAINE SAND	2600	100.0	23.0	HAMMOND	A1069
ELAINE UPPER SAND	3750	25.0	27.3	HOLDSWORTH, SEG. 1	A0970
ELAINE UPPER SAND	3750	26.3	27.3	HOLDSWORTH, SEG. 5	A0970
ARITHMETIC AVERAGE	3367	50.4	25.9		
GEOMETRIC AVERAGE		40.4	27.3		
MEDIAN VALUE		26.3	27.1		
MODE		26.9			
IDEAL SPECIFIC FLOW RATE =	1.7 GPM/FT				
CISCO GROUP					
KING LCC SAND	2975	40.8	24.0	TOKCH	A0271
KING	3015	40.8	24.0	TORCH	A 670
ARITHMETIC AVERAGE	2995	40.8	24.0		
GEOMETRIC AVERAGE		40.8	24.0		
MEDIAN VALUE		40.8	24.0		
MODE		40.8	24.0		
IDEAL SPECIFIC FLOW RATE =	2.2 GPM/FT				



