

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____ Secondary Recovery ☒ Pressure Maintenance _____ Disposal _____ Storage _____
Application qualifies for administrative approval? _____ Yes _____ ☒ No

II. OPERATOR: Occidental Permian Limited Partnership

ADDRESS: P.O. Box 4294 Houston, TX 77210-4294

CONTACT PARTY: Richard E. Foppiano, Rm. 320D, WL2 PHONE: (281) 552-1303

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? ☒ Yes _____ No _____
If yes, give the Division order number authorizing the project: R-6199 (11/30/79)

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

*X. Attach appropriate logging and text data on the well. (If well logs have been filed with the Division they need not be submitted).

*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined all data and find no evidence of open faults or any other hydrologic connection between the disposal source of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Richard E. Foppiano TITLE: Senior Advisor - Reg. Affairs

SIGNATURE: Richard E. Foppiano DATE: August 8, 2001

* If the information required under Section VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstance of the earlier submittal. Hearing October 3, 1979; Case No. 6653, Order No. R-6199, effective November 30, 1979

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office.

**BEFORE THE
OIL CONSERVATION DIVISION**
Case No. 12722 Exhibit No. 27
Submitted By:
Occidental Permian Ltd.
Hearing Date: September 6, 2001

Attachment To Form C-108
Miscellaneous Data (Revised 8/30/01)

Occidental Permian Limited Partnership
North Hobbs (Grayburg/San Andres) Unit
Lea County, New Mexico

III. Well Data

- B.(5) Next higher productive zone -- Byers (Queen) @ +/- 3680'
Next lower productive zone -- Glorieta @ +/- 5300'

VII. Proposed Operation

1. Average Injection Rate: N/A
Maximum Injection Rate: 9000 BWPD, 15000 MCFGPD
2. Closed Injection System
3. Average Surface Injection Pressures: N/A
Maximum Surface Injection Pressures:

Produced Water:	1100 psi
CO2:	1250 psi
CO2 with produced gas:	1770 psi

(will not exceed 2400 psi bottomhole pressure)
4. Source Water – San Andres Produced Water
(Mitchell Analytical Laboratory analyses attached)

IX. Stimulation Program:

Acid stimulation of injection interval with approximately 2000 gal. of 15% HCL

XI. Fresh Water Sample Analysis

(Laboratory Services, Inc. analyses are attached)

XII. Geologic statement attached.

TABULAR DATA FOR AREA-OF-REVIEW WELLS

Revised 8/30/01

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11	13	18	37	1980 FWL	1980 FNL	30025054390000	OXY	NHGSU	221	OIL	04/01/1957	4160		4064	8 5/8	12 1/4	307	300	SURF	CIRC.		2
															5 1/2	7 7/8	4159	1700	1777	CBL		
12	13	18	37	1980 FWL	660 FSL	30025054360000	OXY	NHGSU	241	OIL	07/05/1935	4320		4038	10 3/4	15	236	150	SURF	CIRC		
														OH	7 5/8	9 7/8	1615	300	386	CALC		
															5 1/2	6 5/8	4012	400	SURF	CIRC		1
13	13	18	37	660 FWL	660 FSL	30025054370000	OXY	NHGSU	141	WMV	09/16/1935	4235		4040	13	17 1/2	268	200	SURF	CIRC.		
															9 5/8	12 1/4	1623	400	469	CALC		
															7	8 3/4	4001	400	2715	CBL		
															5 1/2	liner	4235	85	3857	CALC	TOL=3957	3
14	13	18	37	1650 FEL	990 FNL	30025098750000	ROBERSON	RICE	4	OIL	09/03/1957	4193		4193	8 5/8	11	299	175	SURF	OCD		
												OH			5 1/2	7 7/8	4040	250	2770	CALC		1
15	13	18	37	990 FEL	1650 FSL	30025054450000	OXY	NHGSU	431	OIL	09/03/1954	4300		4271	9 5/8	12 1/4	1591	630	SURF	CALC		
															7	8 3/4	3960	170	3270	CBL		
															4 1/2	6 1/4	4299	100	3867	CBL	TOL=3867	3
16	13	18	37	660 FWL	660FNL	30025054490000	CONOCO	NHGSU	1	D&A	05/26/1960	8877		----	13 3/8	17 1/2	331	300	SURF	OCD	SCHEMATIC	
															9 5/8	12 1/2	5134	840	3003	CALC		

Sec	Twp	Rgn	E/W Dir	N/S Dir	API	Operator Name	Lease Name	Well #	Status	Comp Date	TD	Abnd Date	Lower Perf	Csg Size	Hole Size	Depth	Sys/Cmt	TOC	Source	Comments	Completion Type
12	11	18	37 S60 FSL	660 FEL	30025258850000	PLOGGED	STATE 11	1	D&A	06/28/1978	8200	06/28/1978		13 3/8		395	425			SCHEMATIC	
														8 5/8	12 1/2	4400	1500				
														7		6693	100				

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	Sec	Twp	Rgn	E/W Dir	N/S Dir	API	Operator Name	Lease Name	Well #	Status	Comp Date	Driller TD	Abnd Date	Lower Perf	Csg Size	Hole Size	Depth	No. of Sxs	TOC	Source	Comments	Completion Type	
	1	19	18	38	330 FWM	2310 FNL	30025073570000	OXY	NHGSU	121	OIL	09/26/1930	4280		OH	9	11 3/4	245	200	SURF	CIRC		
															7	8 3/4	4020	200	1338	CALC			
															4 1/2	6 3/4	4250	45	3954	CALC	TOL=3864	3	
	2	19	18	38	1300 FEL	1300 FNL	30025073700000	OXY	NHGSU	411	OIL	02/28/1933	4342		4231	12 1/2	18 1/2	226	200	SURF	CIRC		
															7	8 3/4	3966	700	2574	CBL			
															4 1/2	6 1/4	4342	100	3867	CALC	TOL=3867	3	
	3	19	18	38	2310 FEL	1309 FNL	30025073690000	OXY	NHGSU	311	OIL	11/10/1930	4296		4222	12 1/2	16	217	200	SURF	CIRC		
															9 5/8	11 3/4	2750	600	548	N/A			
															7	8 3/4	3952	300	3060	CBL			
															5	6 1/4	4296	435	4080	CBL	TOL=3868	3	
	4	19	18	38	2310 FWM	1309 FNL	30025073590000	OXY	NHGSU	211	OIL	11/28/1930	4266		4220	12 1/2	16	241	200	SURF	CIRC		
															9	11 3/4	2750	500	1336	CALC			
															7	8 3/4	3983	200	2812	CALC			
															5	6 1/8	4266	50	3925	CALC	TOL=3925	3	
	5	19	18	38	990 FWM	990 FNL	30025073580000	OXY	NHGSU	112	W/M	05/15/1952	4254		4248	8 5/8	11	251	200	SURF	CIRC		
											01/26/1982				5 1/2	7 7/8	4254	1500	1108	CBL		2	
	6	19	18	38	1980 FWM	420 FSL	30025234810000	OXY	NHGSU	242	OIL	05/26/1970	7105		6080	13 3/8	17 1/2	360	360	SURF	CIRC		
															9 5/8	12 1/4	3794	500	2389	CALC			
															5 1/2	8 3/4	7103	950	3793	CALC	TOL=3537	5	
	7	19	18	38	330 FWM	330 FNL	30025073560000	PLUGGED	NHGSU	111	P&A	09/13/1932	4204	10/09/1997	4204	12 1/2		230			SCHEMATIC		
															9		2770						
															7		3945						
	8	19	18	38	2310 FWM	2310 FNL	30025073550000	OXY	NHGSU	221	OIL	09/18/1930	4311		4265	12 1/2	16	240	200	SURF	CIRC		
															OH	9	11 3/4	2750	500	1336	CALC		
															7	8 3/4	3970	200	3046	CBL			
															5	6 1/8	4311	75	3799	CIRC	TOL=3799	3	
	9	19	18	38	330 FWM	330 FSL	30025073650000	OXY	NHGSU	141	OIL	06/26/1930	4248		4210	12 1/2	16	218	300	SURF	CIRC		
															9	11 3/4	2783	500	SURF	CIRC			
															7	8 3/4	3880	500	953	CALC			
															5 1/2	6 1/8	4248	100	3810	CALC	TOL=3810	3	

	Sec	Twp	Rgn	E/W Dir	N/S Dir	API	Operator Name	Lease Name	Well #	Status	Comp Date	Driller TD	Abnd Date	Lower Perf	Csg Size	Hole Size	Depth	No. of Sxs	TOC	Source	Comments	Completion Type
	18	19	18	38	2310 FEL	2310 FNL	30025073600000	OXY	NHGSU	321	OIL	09/12/1930		4205	15 1/2	18	220	200	SURF	CIRC		
															9 5/8	12 1/4	3901	300	3058	CALC		
															7	8 3/4	3945	300	2189	CALC		
															5 1/2	6 1/2	4244	100	3809	CALC	TOL=3809	3
	19	18	38	330 FWL	2310 FSL	30025073610000	OXY	NHGSU	131	OIL	09/13/1930	4247		4210	12 1/2	18	240	200	SURF	CIRC		
															9 5/8	12	2774	600	SURF	CIRC		
															7	8 3/4	3960	225	2643	CALC		
															5 1/2	6 1/2	4247	150	2230	CALC		2
	20	19	18	38	1320 FEL	2310 FSL	30025124900000	PLUGGED	HD MCKINLEY A	8	P&A	11/1/1930	4210	4210	12 1/2	18	240	300		OCD	SCHEMATIC	
															9 5/8	12	2810	600				
															7	8 3/4	4000	225				
															4 1/2	6 1/4	4237	70			TOL=3850	
	21	19	18	38	990 FEL	1650 FSL	30025226010000	OXY	NHGSU	431	OIL	07/03/1968	4286	4199	8 5/8	12 1/4	277	200	SURF	CIRC		2
															4 1/2	7 7/8	4285	435	2537	CBL		
	22	19	18	38	1410 FWL	2501 FSL	30025291720000	OXY	NHGSU	232	OIL	09/24/1985	4420	4207	13 3/8	17 1/2	40	N/A	N/A	N/A		
															9 5/8	12 1/4	1498	425	SURF	CIRC		
															7	8 3/4	4419	900	SURF	CIRC		2
	23	19	18	38	119 FEL	2495 FNL	30025291960000	OXY	NHGSU	422	OIL	09/30/1985	4370	4220	13 3/8	17 1/2	40		SURF	OCD		
															8 5/8	12 1/4	1520	750	SURF	CIRC		
															5 1/2	7 7/8	4368	920	SURF	CIRC		2
	24	19	18	38	1300 FWL	1200 FSL	30025271380000	OXY	NHGSU	WM-142	W/INJ	07/12/1981	4510		16	18	40	40	SURF	CIRC		
															8 5/8	12 1/4	1600	875	SURF	CIRC		
															5 1/2	7 7/8	4510	900	2606	CBL		2
	25	19	18	38	2535 FEL	1430 FSL	30025291950000	OXY	NHGSU	332	OIL	06/22/1985	4370	4064	13 3/8	17 1/2	40	REDIMIX	N/A	CIRC		
															9 5/8	12 1/4	1510	625	SURF	CIRC		
															7	8 3/4	4368	955	SURF	CIRC		2
	26	19	18	38	1650 FEL	2310 FSL	30025073670000	PLUGGED	MCKINLEY A-19	1	D&A	08/26/1962	9550		13 3/8	17	351	350	SURF	CIRC	SCHEMATIC	
															8 5/8	12 1/4	4499	2500	SURF	CIRC		

[illegible]

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	Sec	Twp	Rgn	EW Dir	N/S Dir	API	Operator Name	Lease Name	Well #	Status	Comp Date	TD	Abnd Date	Lower Perf	Csq Size	Hole Size	Depth	Sxs/Cmt	TOC	Source	Comments	Completion Type
	1	23	18	37 330 FEL	990 FSL	30025054730000	OXY	NHGSU	441	OIL	01/09/1956	4225		4224	8 5/8	12 1/4	311	300	SURF	CIRC		2
															5 1/2	7 7/8	4225	2000	SURF	CALC		
	2	23	18	37 2310 FWL	900 FSL	30025054720000	OXY	NHGSU	241	OIL	08/01/1959	4390		4194	8 5/8	11	339	350	SURF	CIRC		2
															5 1/2	7 7/8	4389	800	2770	CBL		
	3	23	18	37 2310 FWL	2310 FSL	30025054710000	OXY	NHGSU	231	WMV	06/12/1959	4330		4160	8 5/8	12	310	350	SURF	OCD		
															5 1/2	7 7/8	4330	300	2630	TS		2
	4	23	18	37 2310 FWL	1650 FNL	30025054700000	OXY	NHGSU	221	OIL	03/21/1929	4299		4100	8 5/8	12 1/4	332	300	SURF	OCD		2
															5 1/2	7 7/8	4299	300	2760	TS		
	5	23	18	37 2310 FWL	330 FNL	30025054690000	OXY	NHGSU	211	WMV	02/21/1959	4297		4108	8 5/8	12 1/4	320	325	SURF	OCD		2
															5 1/2	7 7/8	4296	300	2905	TS		
	6	23	18	37 330 FEL	660 FNL	30025127830000	OXY	NHGSU	411	WMV	12/29/1941	4110		4108	8 5/8	11	334	125	SURF	OCD		1
														OH	5 1/2	6 3/4	3915	75	3125	CALC		
	7	23	18	37 1650 FEL	2310 FSL	30025054740000	OXY	NHGSU	331	OIL	04/20/1956	4283		4258	8 5/8	11	344	180	SURF	CIRC		
															5 1/2	7 7/8	4283	1200	2608	CBL		2
	8	23	18	37 760 FEL	990 FSL	30025054680000	OXY	NHGSU	412	OIL	08/19/1955	4204		4090	8 5/8	12	240	125	SURF	OCD		
														Perf & OH	5 1/2	6 3/4	3990	250	1356	CALC		
															4	4 3/4	4123	269	3468	CBL		1
	9	23	18	37 330 FEL	2310 FSL	30025054670000	OXY	NHGSU	431	WMV	01/14/1953	4191		4191	8 5/8	12	252	125	SURF	CIRC		
														OH	5 1/2	7 3/8	3993	300	1922	CALC		1
	10	23	18	37 330 FEL	1650 FNL	30025054660000	OXY	NHGSU	421	OIL	07/20/1951	4300		4300	8 5/8	11	320	125	SURF	OCD		
														OH	5 1/2	6 3/4	4000	150	2419	CALC		1
	11	23	18	37 330 FEL	330 FNL	30025054650000	PLUGGED	STATE F	1-AO	P&A	06/19/1951	4115	10/15/1957	4115	8 5/8	11	1592	525	SURF	OCD	SCHEMATIC	
															5 1/2	6 3/4	4099	130				
	12	23	18	37 1650 FEL	330 FNL	30025054640000	OXY	STATE F	311	OIL	08/20/1957	4125		4095	8 5/8	11	300	300	SURF	OCD		
															5 1/2	7 7/8	4125	730	SURF	CIRC		2

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	Sec	Twp	Rgn	EW Dir	N/S Dir	API	Operator Name	Lease Name	Well #	Status	Comp Date	TD	Abnd Date	Lvr perf	Csq Size	Hole Size	Depth	Sys Cmt	TOC	Source	Comments	Completion Type
	27	24	18	37 330 FEL	330 FSL	30025054860000	OXY	NHGSU	441	OIL	07/03/1930	4139		4214	20	22	105	125	SURF	CIRC		
														OH	12	15 1/2	1521	300	SURF	CIRC		
															9	11 3/4	2515	700	836	CALC		
															7	8 1/4	3880	200	2187	CALC		1
	28	24	18	37 330 FEL	2310 FSL	30025054870000	OXY	NHGSU	431	OIL	11/14/1930	4218		4218	12 1/2	16	221	180	SURF	CIRC		
														OH	9	11 3/4	2782	510	1340	CALC		
															7	8 3/4	3951	250	SURF	CIRC		1
	29	24	18	37 1325 FEL	1320 FSL	30025054880000	OXY	NHGSU	331	OIL	06/16/1932	4218		4218	12 1/2	16	215	200	SURF	CIRC		
														OH	9	11	2810	400	1197	CALC		
															7	8 3/4	3878	300	SURF	CBL		1
	30	24	18	37 2316 FWL	2304 FNL	300250598760002	OXY	NHGSU	221	WMW	01/25/2000	4260			13 3/8	16	408	400	SURF	CALC		
															8 5/8	12 1/4	3903	500	2837	CALC		
															5 1/2	7 3/8	6106	365	3533	CALC		2
	31	24	18	37 2310 FEL	2310 FNL	30025054800000	OXY	NHGSU	321	OIL	08/30/1934	4204		4204	13 3/8	16	241	350		OCD		
														OH	9 5/8	12 1/4	2815	315	1830	CALC		
															7	8 3/4	3930	250	2467	CALC		1

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	Sec	Twp	Rgn	EW Dir	N/S Dir	API	Operator Name	Lease Name	Well #	Status	Comp Date	TD	Abnd Date	Lwrt/ptf	Csg Size	Hole Size	Depth	sxs/cent	TOC	Source	Comments	Completion Type
	42	29	18	38 220 FEL	1230 FSDL	30025288850000	OXY	NHGSU	442	OIL	07/21/1985	4370		4093	13 3/8	17 1/2	40	REDMIX	SURF	CIRC		
															9 5/8	12 1/4	1536	575	SURF	CIRC		
															7	7 7/8	4370	1100	SURF	CIRC		2
	43	29	18	38 1650 FEL	990 FNL	30025074320000	OXY	NHGSU	311	OIL	10/30/1930	4191		4191	12 1/2	16	241	250	SURF	CALC		
															9 5/8	11 3/4	2776	400	1355	CALC		
															7	8 3/4	4008	500	1081	CALC		
															5 1/2	6 1/4	4234	350	3921	CALC	TOL=3921	3
	44	29	18	38 330 FEL	330 FSL	30025074440000	OXY	NHGSU	441	OIL	10/29/1930	4175		4175	13 3/8	18	232	150	SURF	CIRC		
															9 5/8	12	2743	1400	SURF	CIRC		
															7	8 3/4	3950	300	3240	CBL		
															5	6 1/2	4172	22	3966	CALC		3
	45	29	18	38 1650 FWL	2310 FNL	30025074300000	OXY	NHGSU	221	OIL	09/14/1930	4214		4214	12 1/2	18	210	200	SURF	CIRC		
															9 5/8	12	2704	400	1447	CALC		
															7	8 3/4	3979	500	1052	CALC		
															4 1/2	6 1/8	4213	50	3910	CALC	TOL=3910	3
	46	29	18	38 330 FEL	2310 FNL	30025074590000	PLUGGED	NHGSU	421	OIL	11/28/1930	4194	09/22/2000	4194	12 1/2	16	220	200	SURF	CIRC	SCHEMATIC	
															9 5/8	11 3/4	2720	600	518**			
															7	8 3/4	3880	300	2914	CBL		
															5 1/2	6 1/4	4236	50	3866		TOL=3796	
	47	29	18	38 330 FEL	2310 FSL	30025074580000	OXY	NHGSU	431	OIL	10/13/1930	4190		4190	15 1/2	18	228	200	SURF	CIRC		
															9 5/8	12 1/4	2720	600	1034	CALC		
															7	8 3/4	3900	400	1558	CALC		
															5 1/2	6 1/4	4229	120	3209	CALC	TOL=3209	3
	48	29	18	38 990 FEL	2310 FNL	30025074570000	PLUGGED	WD GRIMES	2	OIL	09/15/1930	4176	01/19/1982	4176	15 1/2	17 1/2	218	200	SURF	CIRC	SCHEMATIC	
															9 5/8	12 1/4	2754	600	336**			
															7	8 3/4	3880	300	1867**			
															5 1/2		4176	100		TOL=3350		

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	Sec	Twp	Rgn	EW Dir	N/S Dir	API	Operator Name	Lease Name	Well #	Status	Comp Date	TD	Abnd Date	Lwr/perf	Csg Size	Hole Size	Depth	Sxs/Cnt	TOC	Source	Comments	Completion Type
	9	30	18	38	2310FEL	2335FSL	30025074720000	OXY	NHGSU	331	OIL	08/13/1930	4238		4208	12 1/2	15 1/2	242	225	SURF	CIRC	
															9 5/8	12 1/2	2750	650	SURF	CIRC		
															7	9 5/8	3960	300	SURF	CIRC		
															5 1/2	6 1/8	4238	30	3650	CBL		
																					3	
	10	30	18	38	660FEL	1980FSL	30025074710000	PLUGGED	BOWERS	1	P&A	02/06/1930	4106	11/15/1989	4106	12 1/2	17	205	180		BLM	SCHEMATIC
															9 5/8	11 1/2	2750	620				
															7	8 3/4	3962	528				
															4 1/2		6000	275				
	11	30	18	38	330FEL	330FNL	30025074700000	OXY	NHGSU	411	OIL	12/24/1932	4300		4282	12 1/2	16	247	2500	SURF	CALC	
															9 5/8	11 3/4	2756	600	625	CALC		
															6 5/8	8 3/4	4042	250	2807	CALC		
															4 1/2	6	4300	75	3883	CALC		
																					3	
	12	30	18	38	2310FEL	330FNL	30025074690000	OXY	NHGSU	311	OIL	08/21/1930	4220		4220	12 1/2	16	242	200	SURF	CIRC	
															OH	9 5/8	11 3/4	2755	600	624	CALC	
															7	8 3/4	3998	250	2535	CALC		
																					1	
	13	30	18	38	990FEL	2310FNL	30025074680000	OXY	NHGSU	421	OIL	07/16/1930	4202		4202	12 1/2	16	250	200	SURF	CIRC	
															9 5/8	11 3/4	2755	600	624	CALC		
															7	8 3/4	3860	250	SURF	CIRC		
															5	6 1/4	4202	450	SURF	CIRC		
																					3	
	14	30	18	38	2310FEL	2310FNL	30025074670000	OXY	NHGSU	321	OIL	07/10/1930	4200		4200	12 1/2	16	245	200	SURF	OCD	
															9 5/8	11 3/4	2758	600	SURF	CIRC		
															6 5/8	8 3/4	3854	250	SURF	CIRC		
															5	7	4200	60	3193	CBL		
																					3	
	15	30	18	38	330FWL	2310FNL	30025074640000	OXY	NHGSU	121	OIL	09/25/1930	4198		4198	12 1/2	16	212	200	SURF	CIRC	
															9 5/8	11 3/4	2749	400	1328	CALC		
															7	8 3/4	3994	425	2738	CBL		
															5	6 1/8	4312	40	3841	CBL	TOL=3841	
																					3	
	16	30	18	38	2310FWL	2310FSL	30025074790000	OXY	NHGSU	231	OIL	07/21/1930	4256		4256	20	20	215	75	SURF	OCD	
															OH	9 5/8	12 1/4	2750	400	SURF	CIRC	
															7	8 3/4	3930	550	SURF	CIRC		
															5	6 1/4	4200	60	3193	CBL		
																					3	

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	Sec	Twp	Rgn	EW Dir	N/S Dir	API	Operator Name	Lease Name	Well #	Status	Comp Date	TD	Abnd Date	Lwr/Perf	Csg Size	Hole Size	Depth	Sxs/Cmt	TOC	Source	Comments	Completion Type
	18	31	18	38 330 FEL	330 FSL	30025074980000	OXY	NHGSU	441	OIL	09/13/1930	4219		4219	12 1/2	16	242	225	SURF	CALC		
															8 1/4	9 7/8	2800	600	SURF	CALC		
															6 5/8	8	3975	225	2170	CALC		
															5	6 1/4	4219	71	3930	CALC	TOL=3930	3
	19	31	18	38 2310 FEL	2200 FSL	30025074990000	OXY	NHGSU	331	OIL	11/14/1930	4277		4277	12 1/2	16	238	200	SURF	CALC		
														OH	9	12 1/4	2800	600	1398	CALC		
															7	8 3/4	3857	225	2640	CALC		
															5	6 1/4	4277	100	3838	CIRC	TOL=3838	3
	20	31	18	38 1325 FEL	1315 FSL	30025075000000	OXY	NHGSU	341	OIL	08/23/1935	4225		4125	12 1/2	16	251	150		OCOD		
															9 5/8	12 1/4	1526	200	964	CALC		
															7	8 3/4	3990	250	2527	CALC		
															5 1/2	6 1/2	4229	100	2884	CALC		3
	21	31	18	38 2310 FWL	440 FNL	30025075030000	OXY	NHGSU	211	OIL	09/14/1930	4300		4300	12 1/2	18	266	185	SURF	CIRC		
															9	12	2750	400	1726	CALC		
															7	8 3/4	3973	450	1339	CALC		
															5	6 1/4	4210	350	3700	CBL		3
	22	5	19	38 330 FNL	330 FWL	302507625	PLUGGED	SOUTH HOBBS	12	P&A	10/07/1930	4235	12/30/1997	4185	16		185	75	SURF	CIRC	SCHEMATIC	
															10 3/4	14	2782	350	2080	CALC		
															6 5/8		3977	150	2800	CBL		
															4		4229	50	3850	CIRC	TOL=3850	

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	Sec	Twp	Rgn	EW Dir	N/S Dir	API	Operator Name	Lease Name	Well #	Status	Comp Date	TD	Abnd Date	Lwr/Perf	Csg Size	Hole Size	Depth	SxS/Cmt	TOC	Source	Comments	Completion Type
	11	32	18	38	330FEL	2310FSL	30025075370000	OXY	NHGSU	431	WWV	08/15/1930	4245		4175	9 5/8	12 1/4	2750	475	1415	CALC	
															7	8 3/4	3968	350	1919	CALC		
															5	6 1/8	4244	65	3406	CALC		3
	12	32	18	38	660FEL	660FSL	30025075360000	OXY	NHGSU	441	OIL	08/15/1930	4175		4175	12 1/2	16	188	125	SURF	CIRC	
															9 5/8	12 1/4	2750	400	1626	CALC		
															7	8 3/4	3971	250	2508	CALC		
															5	6 1/4	4234	60	3500	CBL		3
	13	32	18	38	2310FWL	990FSL	30025075330000	OXY	NHGSU	241	OIL-WO	02/09/1982	4270		4072	13 3/8	17 1/4	328	325	SURF	OCB	
															7	8 3/4	4099	1425	SURF	CALC		
															5 1/2	6 1/4	3916	125	1627	CALC		3
	14	32	18	38	2310FEL	1650FNL	30025125060000	OXY	NHGSU	321	OIL	08/15/1930	4275		4185	12 1/2	16	230	N/A	N/A	N/A	
															9		2759	N/A	N/A	N/A		1
															6 5/8	8 3/4	3950	N/A	2472	CBL		
	17	32	18	38	330FEL	2310FNL	30025125070000	OXY	NHGSU	421	OIL	09/03/1930	4185		4185	12 1/2	16	245	250	SURF	CALC	
															9 5/8	11 3/4	2755	600	624	CALC		
															6 1/2	7 7/8	3954	225	2117	CALC		
															5 1/2	6	4185	125	3916	CALC	TOL=3916	3
	18	32	18	38	1650FEL	2310FNL	30025125040000	OXY	State A	1	GAS	07/02/1930	4175		3621	12 1/2	16 1/2	222	135	SURF	CIRC	
															9	12 1/4	2755	600	1353	CALC		
															7	8 3/4	3850	200	2679	CALC		1
	19	32	18	38	1437FEL	475FSL	30025282860000	OXY	NHGSU	342	WWV	01/11/1984	4430		4091	16	20	30	40	SURF	CIRC	
															8 5/8	12 1/4	1522	700		CIRC		
															5 1/2	7 7/8	4360	650		CIRC		2
	20	32	18	38	1175FWL	786FSL	30025316620000	OXY	NHGSU	144	OIL	02/28/1994	4400		4247	13 3/8	17 1/2	40	40	SURF	BLM	
															8 5/8	12 1/4	1545	850	SURF	CALC		
															5 1/2	7 7/8	4400	810	286	CALC		2

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	Sec	Twp	Rgn	EW Dir	N/S Dir	API	Operator Name	Lease Name	Well #	Status	Comp Date	TD	Abnd Date	Lwr perf	Csg Size	Hole Size	Depth	Sx/cnt	TOC	Source	Comments	Completion Type
	1	33	18	38 2310 FEL	330 FNL	30025075550000	OXY	NHGSU	311	OIL	08/20/1934	4221		4221	13 3/8	17 1/2	282	200	SURF	OCD		
															9 5/8	12 1/4	2746	350	1763	CALC		
															7	8 3/4	3930	250	2467	CALC		
															5 1/2	6 1/4	4086	75	1210	CBL		3
	2	33	18	38 1980 FEL	1980 FNL	30025075480000	OXY	NHGSU	321	OIL	01/18/1933	4244		4234	15 1/2	18	237	235	SURF	OCD		
															9 5/8	12 1/4	2756	600	1070	CALC		
															7	8 3/4	3970	350	1921	CALC		
															5 1/2	6 1/4	4244	300	1830	CBL		3
	3	33	18	38 217 FWL	1051 FSL	30025355340000	OXY	NHGSU	844	OIL	05/12/2001				8 5/8	12 1/4	1522	850	SURF	OCD		
															5 1/2	6 1/4	4385	900	SURF	CALC		2
	5	33	18	38 1320 FWL	2310 FSL	30025075450000	OXY	NHGSU	231	OIL	10/14/1930	4192		4192	15 1/2	18	203	235	SURF	CIRC		
															9	12 1/4	2754	600	1352	CALC		
															7	8 3/4	3943	310	2860	CBL		
															5	6 1/4	4235	50	3871	CALC	TOL=3860	3
	6	33	18	38 330 FWL	2310 FSL	30025075440000	OXY	NHGSU	131	OIL	10/08/1930	4174		4174	15 1/2	18	208	373	SURF	CIRC		
															9	12 1/4	2742	500	1574	CALC		
															7	8 3/4	3953	300	2870	CBL		
															5	6 1/4	4243	100	3922	CALC	TOL=3922	3
	7	33	18	38 660 FWL	660 FSL	30025075430000	OXY	NHGSU	141	OIL	09/13/1930	4261		4183	12 1/2	16	1209	159	SURF	CIRC		
															9 5/8	11 3/4	2738	500	962	CALC		
															7	8 3/4	3976	275	2366	CALC		
															5	6 1/4	4261	45	3828	CALC	TOL=3828	3
	8	33	18	38 2086 FWL	2086 FSL	30025238560000	SAGA	CONOCO-STATE	2	OIL	10/15/1971	7075		6681	13 3/8	17	402	410	SURF	CIRC		
							PETRO								9 5/8	12 1/4	377	350	SURF	CALC		
															7	8 3/4	7075	600	3563	CALC		4
	9	33	18	38 2130 FEL	1980 FNL	30025237590000	SAGA	CONOCO-STATE	1	OIL	08/26/1971	7075		5871	13 3/8	17	418	410	SURF	CIRC		
							PETRO								9 5/8	12 1/4	3799	350	2816	CALC		
															7	8 3/4	7075	900	1807	CALC		5

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SCHEMATICS FOR PLUGGED & ABANDONED WELLS

(Revised 8/30/01)

Conoco
State B-13 #3
Section 13-18s-37e

API Number: 30025 05438

P&A: 6/6/36

Datum:

Casing Size: 9 5/8"

Depth: 1621

Sxs cmt: 230

Cmt Plug: 0-60 na

9 5/8" casing shot off and pulled at 360'

Cmt Plug 254-400 na

7" casing shot off and pulled at 2450'

Casing Size: 7"

Depth: 3941

Sxs cmt: 400

Cmt Plug 3000-3400 na

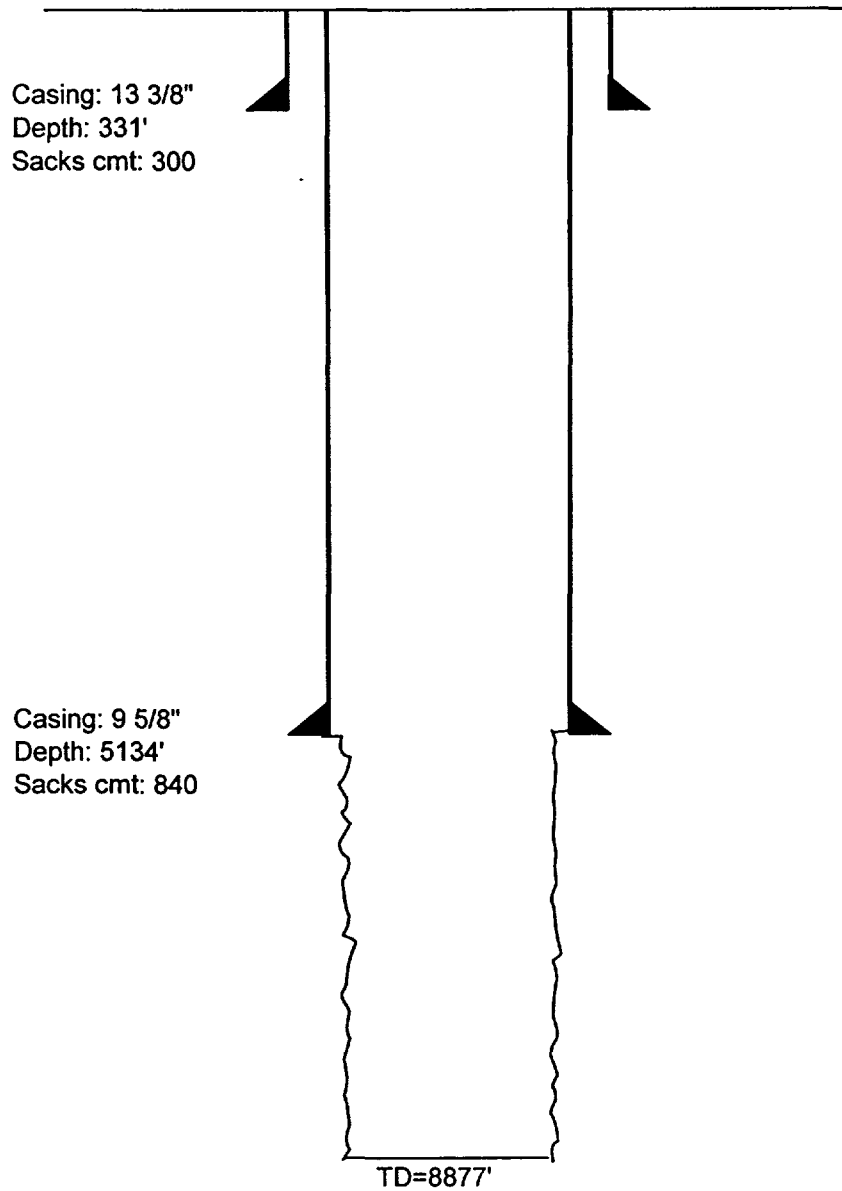
TD: 4245

Conoco
NHGSU #1
Section 13-18S-37E

API Number: 3002505449

P&A:

Datum:



**Tidewater
State B #3
Section 14-18s-37e**

API Number: 30025 05458
P&A: 8/27/60
Datum:

Casing Size: 8 5/8"
Depth: 341
Sxs cmt: 300

Casing Size: 5 1/2"
Depth: 4324
Sxs cmt: 600

TD: 4324

Cmt Plug: Surface 10 sx

Cmt Plug	350	25 sx
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Cmt Plug	1670	25 sx
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Cut and pull casing at 2585'

Cmt Plug	2585	25 sx
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Cmt Plug	4240	25 sx
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**Shell
State E #1
Section 14-18s-37e**

API Number: 30025 10199

P&A: 12/21/38

Datum:

Casing Size: 12"

Depth: 229

Sxs cmt: 150

Cmt Plug: 0-50 na

Casing Size: 9 5/8"

Depth: 1612

Sxs cmt: 650

Cut and pulled 330' of 9 5/8" casing

Cmt Plug 1612 na

Casing Size: 7"

Depth: 4011

Sxs cmt: 280

Cut and Pulled 2700' 7" casing

TD: 4011

Cmt Plug TD 40 sx

**Stanolind
State #1
Section 14-18s-37e**

API Number: 30025 05452

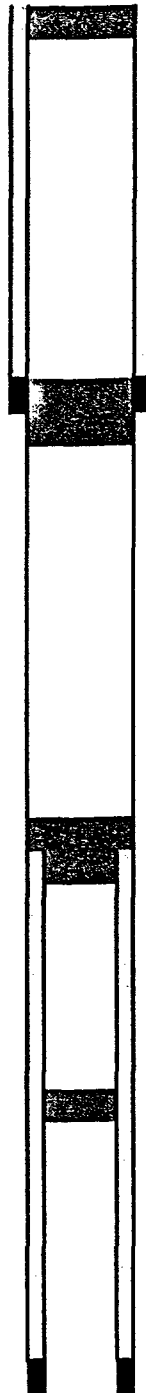
P&A: 1/6/65

Datum:

Casing Size: 10 3/4"
Depth: 265
Sxs cmt: 200

Casing Size: 7"
Depth: 3910
Sxs cmt: 150

TD: 3910



Cmt Plug: Surface 25 sx

Cmt Plug 265 25 sx

Cut and pull casing at 834'
Cmt Plug 834 25 sx

Cmt Plug csg part* 25 sx
*Depth not specified

WESSELY ENERGY CORP.

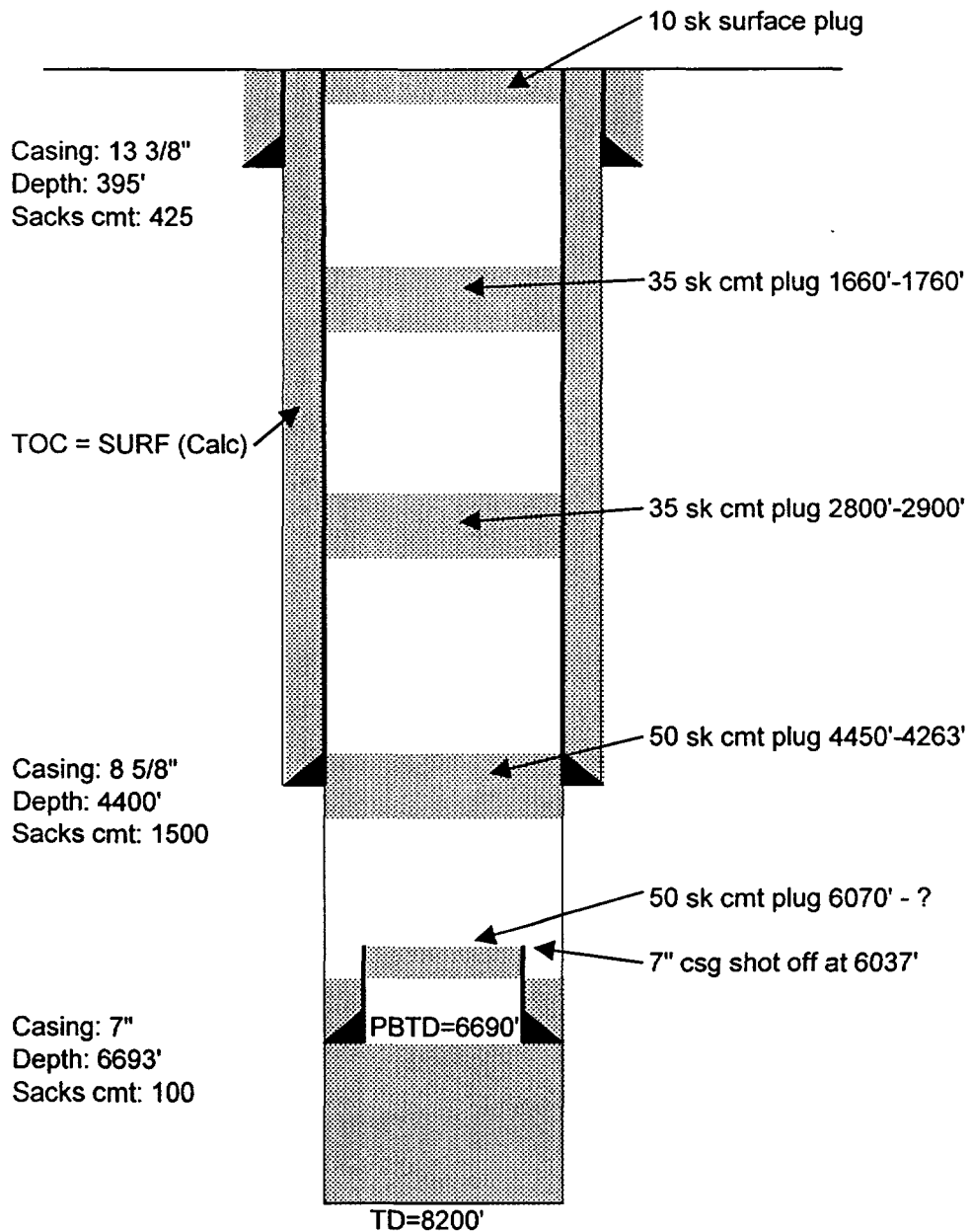
State 11 #1

Section 11-18S-37E

API Number: 3002525885

P&A: 06/28/1978

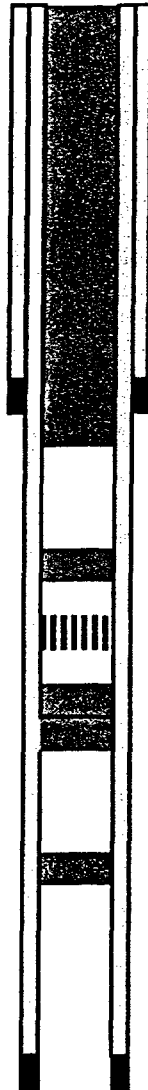
Datum: 3701'



Shell
NHGSAU #441
Section 18-18s-38e

API Number: 30025 07343
P&A: 10/21/87
Datum: 3662

Casing Size: 13 3/8"
Depth: 218
Sxs cmt: 200



Perf 250 pmp 50 sx into fm
Cmt Plug Spot @ 250 50 sx

Cmt Plug Spot @ 1650 20 sx

CIBP 2257

Cmt Plug 2380-2553 50 sx

Cmt Plug 2553-2715 80 sx

Cmt Plug 3260-3195 30 sx

Casing Size: 8 5/8"
Depth: 4022
Sxs cmt: 500

TD: 4253

**Shell
Hardin #1
Section 18-18s-38e**

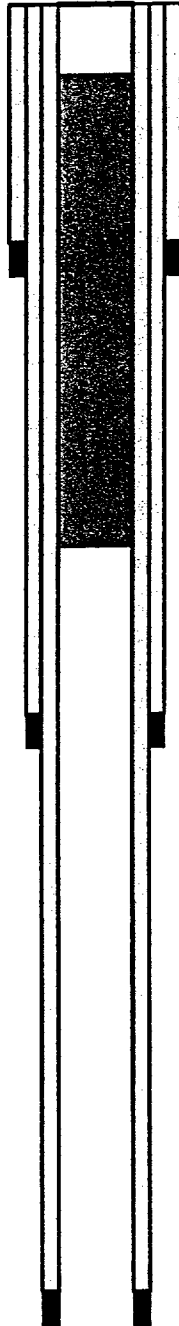
API Number: 30025 07350
P&A: 2/28/81
Datum: 3676 (11' above csg)

Casing Size: 15 1/2"
Depth: 227
Sx cmt: 225

Casing Size: 9 5/8"
Depth: 2795
Sx cmt: 650

Casing Size: 7"
Depth: 4010
Sx cmt: 300

TD: 4270



Weld on 1/8" plate
Left well for irrigation supply well
for landowner

Cmt Plug 900-1326 75 sx

Drilled out to 1070' to find csg,
could not locate top of 9 5/8"

Cmt Plug 170-1060 1200 sx

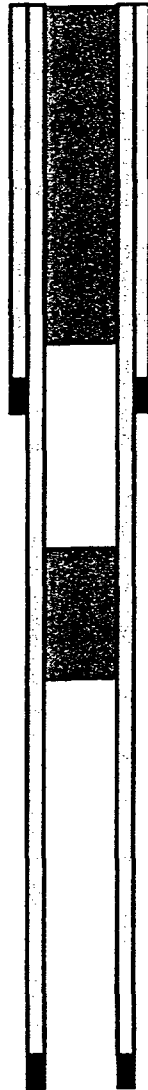
Shell
NHGSAU #421
Section 18-18s-38e

API Number: 30025 07347

P&A: 5/3/84

Datum: 3673

Casing Size: 8 5/8"
Depth: 305
Sxs cmt: 300



Cmt Plug: 0-275 120 sx

Per 275

CICR 504 tst to 500#
Pump 400 sx

Casing Size: 4 1/2"
Depth: 4177
Sxs cmt: 350

TD: 4177

Altura
NHGSAU #331
Section 18-18s-38e

API Number: 30025 07346

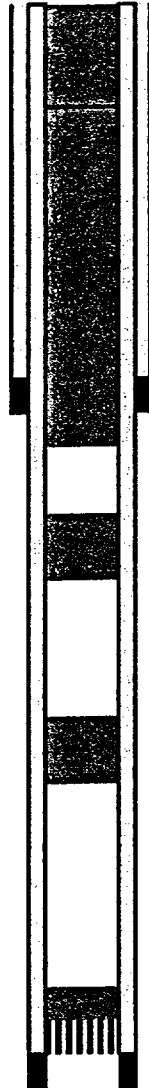
P&A: 1/31/00

Datum:

Casing Size: 8 5/8"
 Depth: 320
 Sxs cmt: 310

Casing Size: 4 1/2"
 Depth: 4170
 Sxs cmt: 1027

TD: 4170



Cmt Plug: 0-60 10 sx

Cmt Plug: 60-370 25 sx

Cmt Plug 1654-2000 25 sx

Cmt Plug 2495-2810 40 sx

Cmt Plug Top of CIBP 35 sx
 CIBP 3963

Shell
NHGSU #18-431
Section 18-18s-38e

API Number: 30025 07344

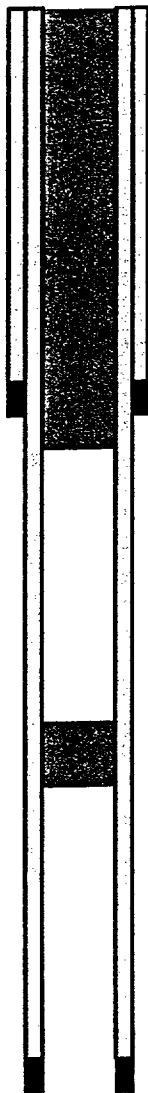
P&A: 3/7/95

Datum:

Casing Size: 8 5/8"

Depth: 428

Sxs cmt: 325



Cmt Plug: 0-430 na

Perf 430

Circ cmt tp sirf between 5 1/2" and 8 5/8" csg

Casing Size: 5 1/2"

Depth: 4199

Sxs cmt: 1600

Cmt Plug 2850-2480 12 bbls

TD: 4200

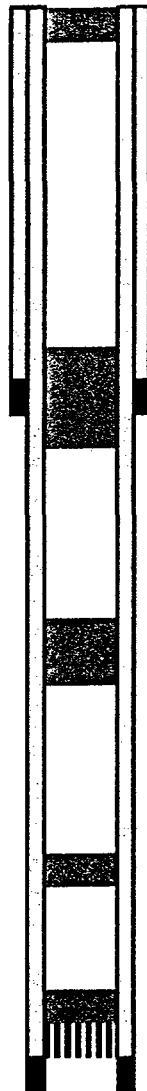
Altura
NHGSAU #231
Section 18-18s-38e

API Number: 30025 07341
P&A: 2/25/00
Datum: 3673

Casing Size: 7"
Depth: 327
Sxs cmt: 250

Casing Size: 4 1/2"
Depth: 4289
Sxs cmt: 185

TD: 4290



Cmt Plug: Surface 10 sx

Perf 380 circ cmt to surf
Cmt Plug 220-380

Perf 2000
CICR 1850
Cmt Plug 40 sx below CICR, 10 sx above

Cmt Plug 2558-1253 85 sx

Cmt Plug Spot @ 2810 25 sx

Cmt Plug Top CIBP 35 sx
CIBP 3885

Altura
NHGSU #131
Section 18-18s-38e

API Number: 30025 07339

P&A: 2/29/00

Datum: 3676

Casing Size: 12 1/2"

Depth: 225

Sxs cmt: 250

Casing Size: 9 5/8"

Depth: 2803

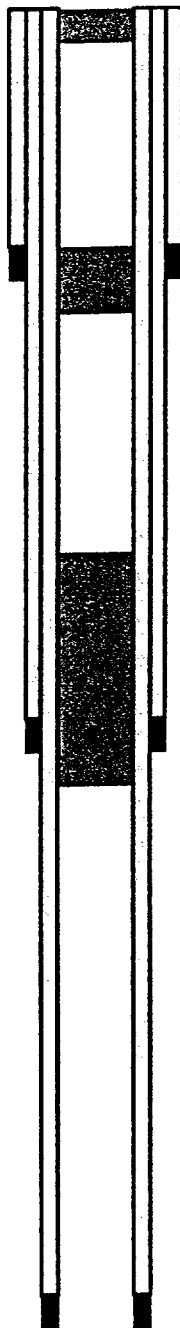
Sxs cmt: 450

Casing Size: 7"

Depth: 4134

Sxs cmt: 200

TD: 4180



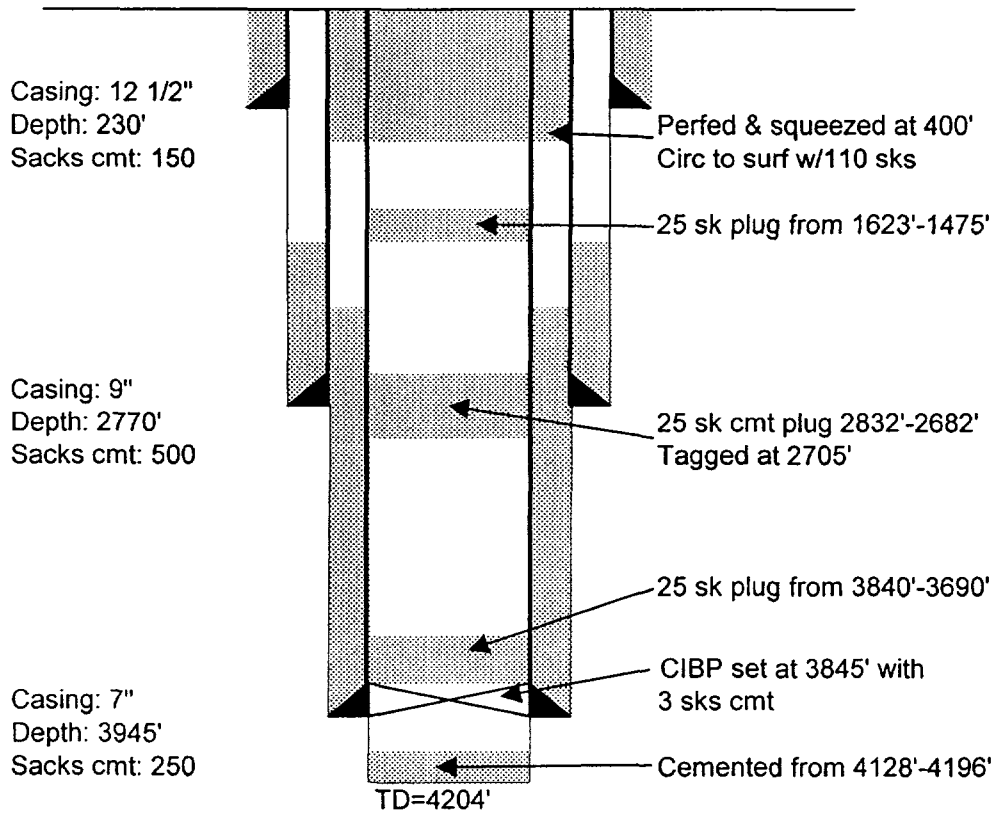
Cmt Plug 0-30 15 sx

Cmt Plug 153-275 45 sx

Cmt Plug Top @ 1476 400 sx

ALTURA ENERGY Ltd.
NHGSU #111
Section 19-18S-38E

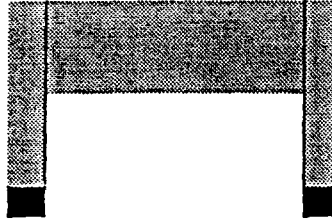
API Number: 3002507356
P&A: 10/9/97
Datum: 3670'



McKinley "A" #8
Shell Oil
Unit I, 2310 FSL & 1320 FEL
Sec 19, T-18-S, R-38-E

P&A'd: 4/17/63
DATUM:

Size: 12-1/2"
Weight: 50#
Depth: 240'
Hole Size:
Cmt:
TOC:

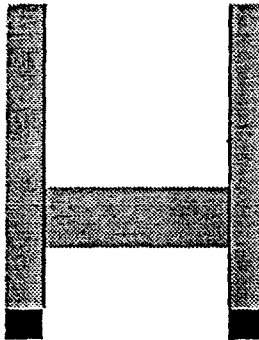


10 sxs cmt plug at surface

25 sxs cmt plug, 70-105'



25 sxs cmt plug, 744-792'

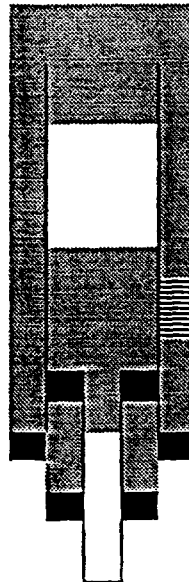


Cut and pulled 9-5/8" csg from 1000'

Size: 9-5/8"
Weight: 36#
Depth: 2800'
Hole Size:
Cmt:
TOC:

25 sxs cement plug, 1600-1850

Size: 7"
Weight: 24#
Depth: 4000'
Hole Size:
Cmt:
TOC:



Cut and pulled 7" from 3195'
25 sxs cmt plug 3145-3275'

Size: 4-1/2" Liner
Weight:
Depth: 3850-4237'
Hole Size:
Cmt: 70 sxs
TOC:

35 sxs cmt plug, 3740-3900'
Perfs: 3740-55, 59-94,
3799-3818, 20-30, 32-35, 37-41

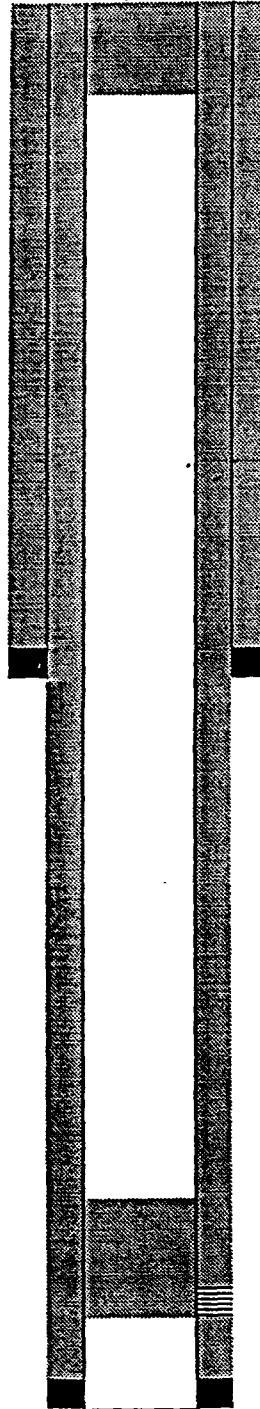
TD: 4270

McKinley A 19 #1
Shell Oil
Unit J, 2310 FSL & 1650 FEL
Sec 19, T-18-S, R-38-E

P&A'd: 2/19/63
DATUM:

Size: 13-3/8"
Weight:
Depth: 351'
Hole Size: 17"
Cmt: 350 sxs
TOC: Circ.

Size: 8-5/8"
Weight:
Depth: 4499'
Hole Size: 12.25"
Cmt: 2500 sxs
TOC: Circ.



10 sxs cement plug at surface

50 sxs Plug 3225-3335'

Perfs 3260-3375'

TD: 4499'

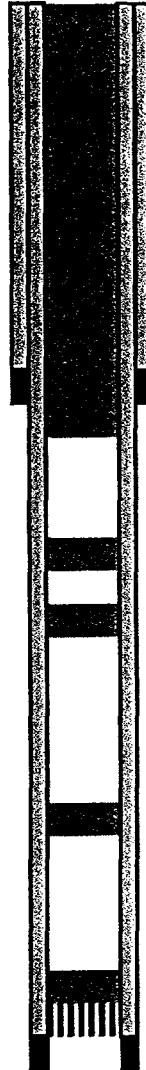
Oxy
NHGSU #431
Section 20-18s-38e

API Number: 30025 07386
P&A: 1/12/01
Datum: 3644

Casing Size: 8 5/8"
Depth: 275
Sxs cmt: 150

Casing Size: 5 1/2"
Depth: 4253
Sxs cmt: 200

TD: 4253



Perf 355 100 sx, circ cmt to surf

Perf 1790 Sqz 50 sx

Perf 2765 Sqz 50 sx

CICR 3196
Cmt Plug CICR 3196 50 sx below
4 sx above

Cmt Plug 4037-4062 na
CIBP 4062

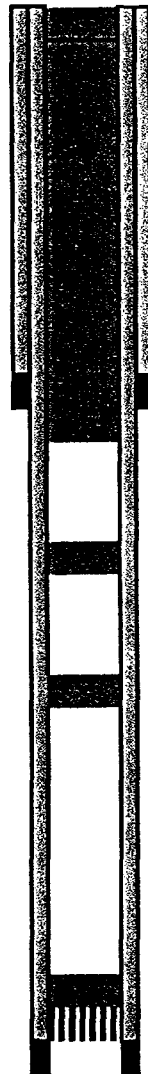
Oxy
NHGSU #421
Section 20-18s-38e

API Number: 30025 07388
P&A: 1/10/01
Datum:

Casing Size: 8 5/8"
Depth: 302
Sxs cmt: 150

Casing Size: 5 1/2"
Depth: 4278
Sxs cmt: 215

TD: 4414



Cmt Plug 0-35 5 sx

Cmt Plug 35-355
Perf 355 circ 130 sx to surf

Perf 2000 Press to 1000# - held
Cmt Plug 1810-2058 25 sx

Perf 2810 Press to 1000# - held
Cmt Plug 2596-2874 25 sx

Cmt Plug 3853-4100 25 sx
CIBP 4100

**Moran
SM-20 # 1
Section 20-18s-38e**

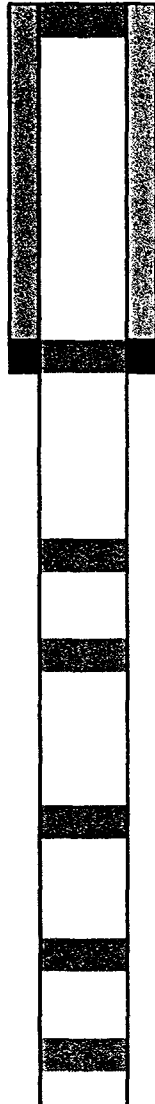
API Number: 30025 07374
P&A: 11/8/67
Datum:

Plug Depth Cmt Vol.

Casing Size: 8 5/8"
Depth: 305
Sx Cmt. 225

Casing Size:
Depth:
Sx Cmt.

TD: 6,175



Cmt Plug Surface 10 sx

Cmt Plug Spot @ 300 20 sx

Cmt Plug Spot @ 1700 20 sx

Cmt Plug Spot @ 2800 30 sx

Cmt Plug Spot @ 4200 25 sx

Cmt Plug Spot @ 5575 25 sx

Cmt Plug Spot @ 6000 20 sx

**Sun
McKinley B #1
Section 20-18s-38e**

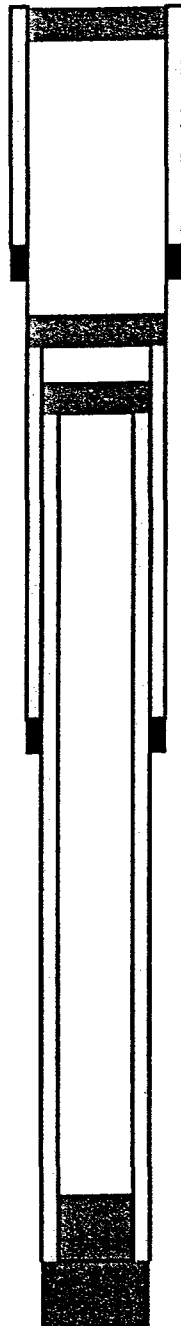
API Number: 30025 07380
P&A: 2/15/47
Datum:

Casing Size: 12 1/2"
Depth: 253
Sx cmt: 150

Casing Size: 6 5/8"
Depth: 4119
Sx cmt: 875

Casing Size: 5 1/2"
Depth: 7473
Sx cmt: 350

TD: 8010



Cmt Plug Surface 15 sx

Pull 6 5/8" casing @ 900
Cmt Plug Spot @ 900 15 sx
Pull 5 1/2" casing @ 1110
Cmt Plug Spot @ 1110 15 sx

Cmt Plug	7328-7543	na	Base of 5 1/2"
Cmt Plug	7543-8010	na	in open hole

**Sweet
Bowers Federal #3
Section 20-18s-38e**

API Number: 30025 07385

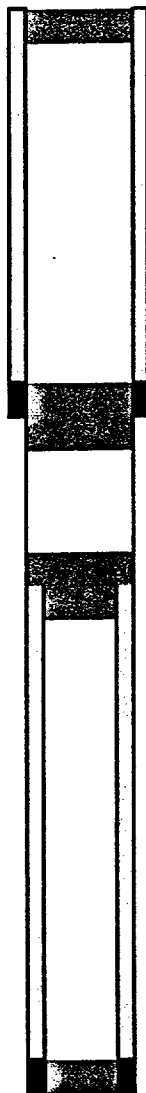
P&A: 1/1/60

Datum:

Casing Size: 10 3/4"
Depth: 250
Sxs cmt: 150

Casing Size: 7"
Depth: 4136
Sxs cmt: 600

TD: 4230



Cmt Plug Surface 10 sx

Cmt Plug 200-300 na

7" Shot and Pulled from 589

Cmt Plug Spot @ 589 25 sx

Cmt Plug Spot @ TD 25 sx

**Sweet
Bowers B #3
Section 20-18s-38e**

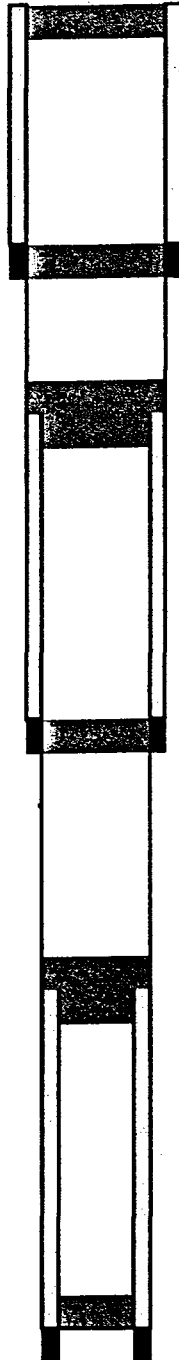
API Number: 30025 07373
P&A: 9/1/49 & 4/1/59
Datum:

Casing Size: 15 1/2"
Depth: 250
Sx cmt: 225

Casing Size: 9 5/8"
Depth: 2793
Sx cmt: 650

Casing Size: 7"
Depth: 4015
Sx cmt: 310

TD: 4225



Cmt Plug Surface 10 sx

Cmt Plug Spot @ 250 20 sx

Shot and pulled 9 5/8" @ 700'
Cmt Plug 650-750 50 sx

Cmt Plug Spot @ 2820 20 sx Base of 9 5/8"

Shot and pulled 7" @ 3140
Cmt Plug 3035-3190 50 sx

Cmt Plug 3702-4186 100 sx

**Humble
Boewer B #2
Section 20-18s-38e**

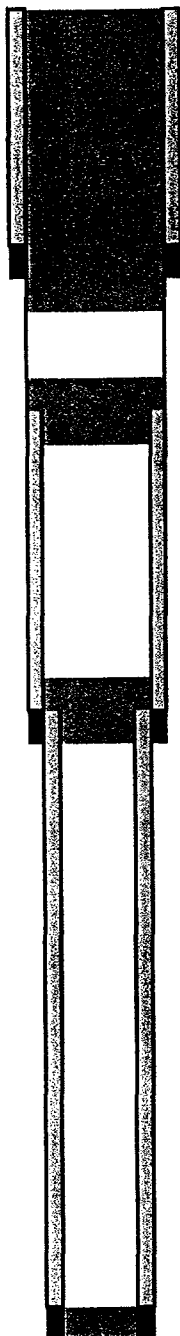
API Number: 30025 07372
P&A: 7/1/46
Datum:

Casing Size: 15 1/2"
Depth: 225
Sx cmt: 225

Casing Size: 10 3/4"
Depth: 2810
Sx cmt: 700

Casing Size: 7"
Depth: 4050
Sx cmt: 300

TD: 4247



Cmt Plug 0-300 150 sx

Shot and pulled 10 3/4" @ 980'
Cmt Plug 980-780 50 sx

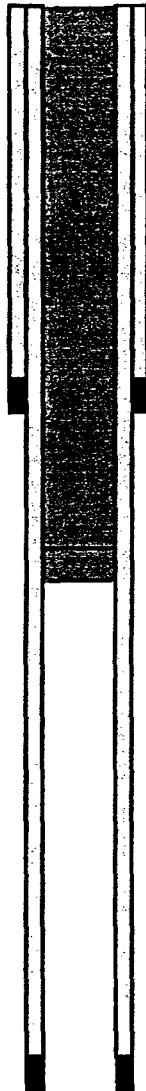
Shot and pulled 7" @ 2800
Cmt Plug 2500-2800 50 sx

Cmt Plug Spot @ TD 75 sx

**Shell
Grimes #1
Section 20-18s-38e**

API Number: 30025 07376
P&A: 1/1/52 & 2/4/82
Datum: 3647

Casing Size: 12 1/2"
Depth: 229
Sxs cmt: 150



Cmt Plug 0-552 225 sx

Cmt Plug 704-600 125 sx Tag @ 552

Casing Size: 7"
Depth: 4015
Sxs cmt: 550

TD: 4244

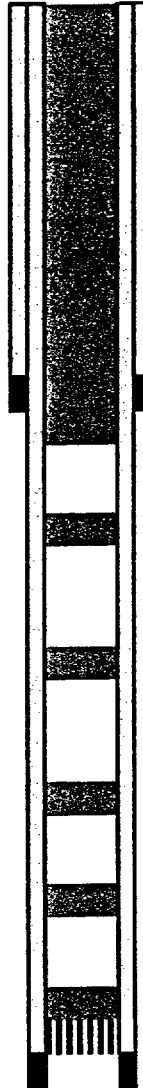
Oxy
NHGSU #121
Section 20-18s-38e

API Number: 30025 07378
P&A: 1/2/01
Datum:

Casing Size: 16"
Depth: 259
Sxs cmt: 225

Casing Size: 7"
Depth: 4054
Sxs cmt: 275

TD: 4241



Cmt Plug 0-365 80 sx

Perf 310 Press to 1000#-held
Hole in csg @ 500'
CICR 500 Sqz 50 sx
Cmt Plug 470-550

Perf 1815 Press to 1000#-held
Cmt Plug 1676-1870 30 sx

Perf 2750 Press to 1000#-held
Cmt Plug 2575-2850 40 sx

Cmt Plug 3790-3985 25 sx

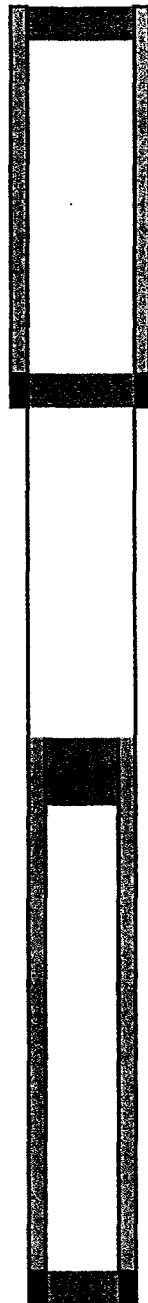
Cmt Plug 4115-4150 na
CIBP 4150

**Morris Antweil
McKinley "B" #1-A
Section 20-18s-37e**

API Number: 30025 07379
P&A: 11/8/60
Datum:

Depth Cmt Vol

Casing Size: 10 3/4"
Depth: 278
Sx cmt 125



Cmt Plug Surface 10 sx

Cmt Plug 280 25 sx

Shot off casing @ 1270'

Cmt Plug 1270 25 sx

Casing Size: 7"
Depth: 4100
Sx cmt 350

TD: 4,100

Cmt Plug T.D. 25 sx

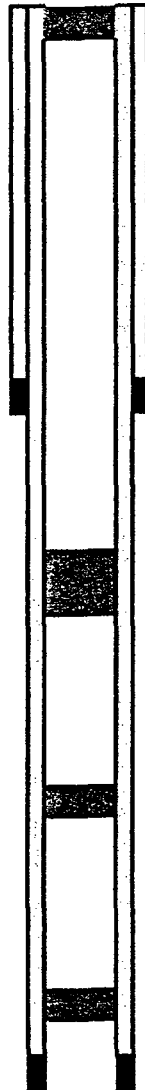
Shell
NHGSU #331
Section 20-18s-38e

API Number: 30025 07381
P&A: 4/5/82
Datum: 3654

Casing Size: 8 5/8"
Depth: 252
Sxs cmt: 150

Casing Size: 5 1/2"
Depth: 4130
Sxs cmt: 600

TD: 4202



Cmt Plug Surface 5 sx

Cmt Plug 750-940 25 sx Tag @ 800
Cmt Plug 1080-880 25 sx Tag @ 940

Cmt Plug 2990-2890 20 sx

Cmt Plug 3991-3891 20 sx

**Gulf
North Grimes #4
Section 21-18s-38e**

API Number: 30025 07394

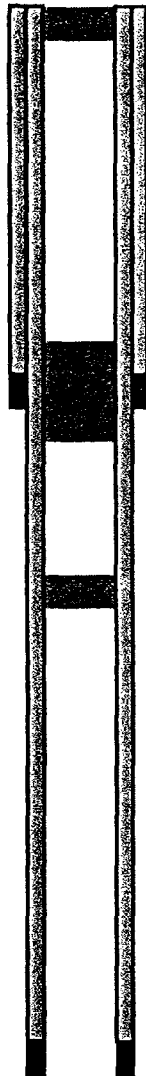
P&A: 2/8/49

Datum:

Casing Size: 13"
Depth: 247
Sxs cmt: 250

Casing Size: 7"
Depth: 4126
Sxs cmt: 1300

TD: 4126



Cmt Plug Surface 10 sx

Cmt Plug 170-400 75 sx

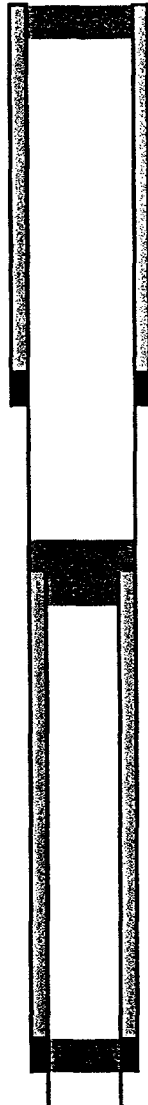
Cmt Plug 1362-1141 60 sx

Morris Antweil
Morris #1
Section 21-18s-38e

API Number: 30025 07389
P&A: 11/10/52
Datum:

Depth Cmt Vol

Casing Size: 10 3/4"
Depth: 283
Sxs cmt: 150



Cmt Plug Surface 25 sx

25 sack plug at the top of shot-off casing.
Depth not specified.

Casing Size: 7"
Depth: 4100
Sxs cmt: 150

TD: 4,294

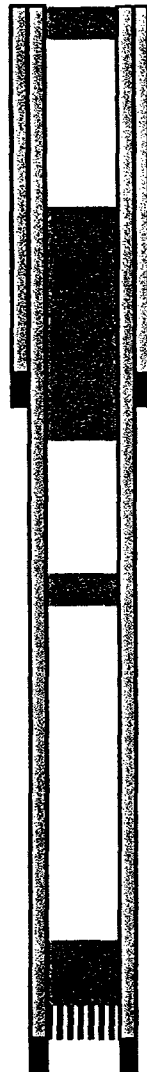
Cmt Plug Spot @ 4100 25 sx

Altura
NHGSU #131
Section 21-18s-38e

API Number: 30025 07393
P&A: 1/24/00
Datum:

Depth Cmt Vol

Casing Size: 13"
Depth: 295
Sxs cmt: 250



Cmt Plug 0-30 10 sx

Perf 350
Cmt Plug 152-350 Sqz 170 sx up annulus to surf

Perf 2000
Cmt Plug 1875-2000 100 sx Sqz perfs

Casing Size: 7"
Depth: 4106
Sxs cmt: 1300

Cmt Plug Spot @ 3980 35 sx
Cmt Plug 3988-4030 35 sx
CIBP 4030

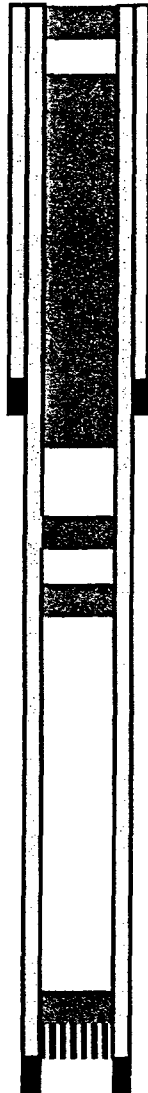
TD: 4235

Altura
NHGSU #204241
Section 21-18s-38e

API Number: 30025 07391
P&A: 1/26/00
Datum:

Depth Cmt Vol

Casing Size: 13"
Depth: 281
Sxs cmt: 225



Cmt Plug 0-30 10 sx
Cmt Plug 98-335 30 sx

Cmt Plug 1793-2000 25 sx
Cmt Plug 2611-2810 25 sx

Casing Size: 7"
Depth: 4109
Sxs cmt: 1300

Cmt Plug ?-4148 35 sx
CIBP 4148

TD: 4225

**Shell
State F #1
Section 23-18s-37e**

API Number: 30025 05465
P&A: 10/15/57
Datum:

Depth Cmt Vol

Casing Size: 8 5/8"
Depth: 1592
Sx cmt 525



Cmt Plug Surface 5 sx

Cmt Plug 2860-2820 25 sx

Casing Size: 4 1/2"
Depth: 4099
Sx cmt 130

TD: 4,099

Shell
N. Hobbs GSA Unit #121
Section 23-18s-37e

API Number: 30025 05462
P&A: 1/12/84
Datum:

Depth Cmt Vol

Casing Size: 8 5/8"
Depth: 321
Sx cmt 150

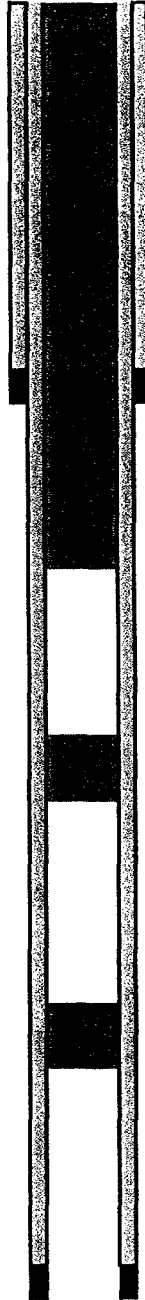
Cmt Plug 0-1800 210 sx

Cmt Plug 2850-2700 20 sx

Casing Size: 5 1/2"
Depth: 4248
Sx cmt 425

Cmt Plug 3700-3400 35 sx

TD: 4,248



**Humble
NM State A #4
Section 25-18s-37e**

API Number: 30025 05495

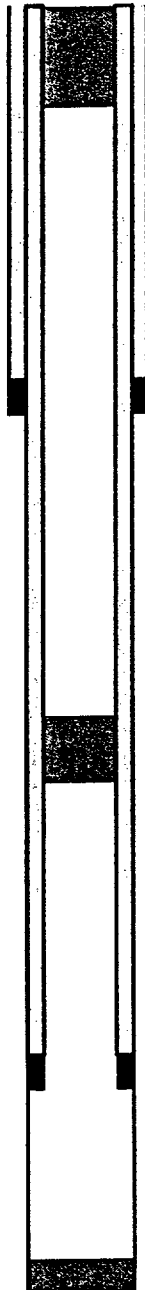
P&A: 8/22/48

Datum:

Casing Size: 8 5/8"
Depth: 252
Sxs cmt: 150

Casing Size: 5 1/2"
Depth: 3189
Sxs cmt: 1325

TD: 4270



Cmt Plug: 0-100 25 sx

Cmt Plug 1500-1800 40 sx

Cmt Plug 4240 25 sx

Altura Energy
State B-25 #1
Section 25-18s-37e

API Number: 30025 05489
P&A: 10/7/97
Datum: 3763

Casing Size: 15 1/2"
Depth: 214
Sxs cmt: 225

Pump 400 sx down 7"
Circ 7" x 9 5/8" x 15 1/2" csg

Perf 400

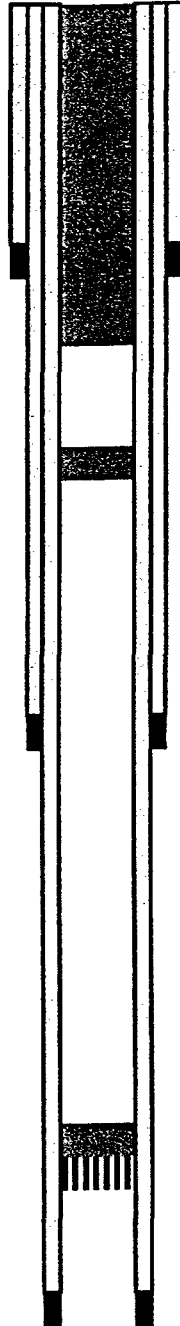
Casing Size: 9 5/8"
Depth: 2767
Sxs cmt: 600

Cmt Plug 1655-1505 25 sx

Casing Size: 7"
Depth: 4026
Sxs cmt: 325

Cmt Plug 3809-3656 25 sx
CIBP 3809

TD: 4225



Humble
Staet A "3"
Section 25-18s-37e

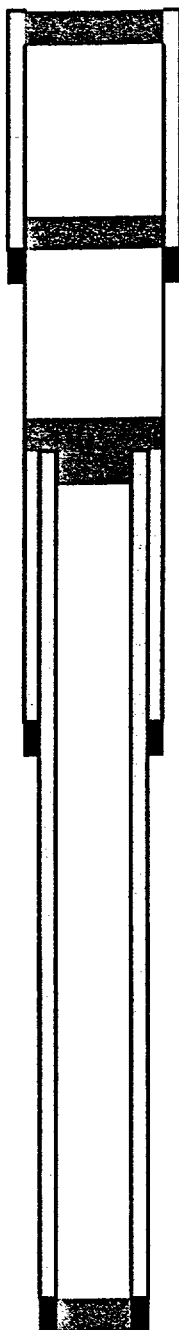
API Number: 30025 05494
P&A: 3/18/47
Datum:

Casing Size: 12 1/2"
Depth: 207
Sxs cmt: 250

Casing Size: 9 5/8"
Depth: 2823
Sxs cmt: 650

Casing Size: 7"
Depth: 4116
Sxs cmt: 350

TD: 4220



Cmt Plug: Surface 25 sx

Cmt Plug 190-160 25 sx

Cut and pulled 34 jts of 7" casing at 1000'
Cut and pulled 34 jts of 9 5/8" casing at 1000'

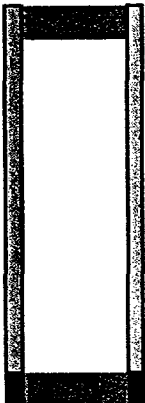
Cmt Plug 1000-800 50 sx

Cmt Plug 4220-4000 100 sx

**Cactus Drilling
Pan Am State #1
Section 26-18s-37e**

API Number: 30025 05508
P&A: 5/1/47
Datum:

Depth Cmt Vol

Casing Size: 8 5/8" Depth: 300 Sx cmt 150		Cmt Plug	Surface	20 sx
		Cmt Plug	330-225	na
Casing Size: 5 1/2" Depth: 4256 Sx cmt 450		Shot off and pulled 5 1/2" casing at 1560'		
		Cmt Plug	1400-1500	10 sx
		Cmt Plug	2250-2000	na
		Cmt Plug	3500-3250	na
		Cmt Plug	3850-3700	na
		Cmt Plug	3935-3869	na
		Cmt Plug	4150-4090	na
TD: 4,358		Cmt Plug	4359-4300	na

API Number: 30025 05507
P&A: 6/18/65
Datum:

	Depth	Cmt Vol
Cmt Plug	Surface	10 sx

Cmt Plug	300	na
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Cmt Plug	1700	25 sx
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Shot off and pulled 4 1/2" casing at 2608'

Cmt Plug	2600	25 sx
----------	------	-------

Casing Size: 4 1/2"
Depth: 4263
Sx cmt 250

Cmt Plug	3550	20 sx
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TD: 4,268

Cmt Plug 4000-4250 Sqz perfs

**Sinclair
Grimes #2
Section 28-18s-38e**

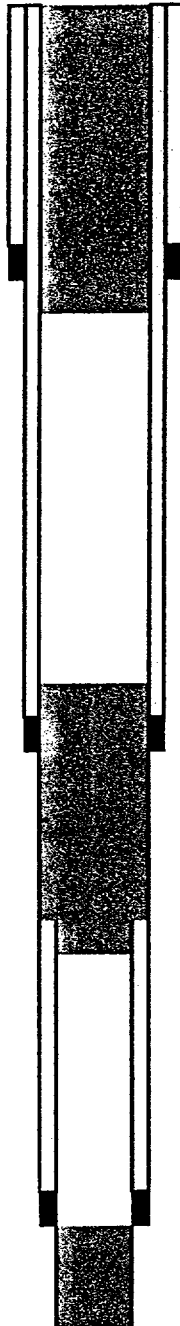
API Number: 30025 07427
P&A: 5/18/59
Datum:

Casing Size: 15 1/2"
Depth: 238
Sx cmt: 200

Casing Size: 10 3/4"
Depth: 2710
Sx cmt: 700

Casing Size: 6 5/8"
Depth: 3974
Sx cmt: 250

TD: 4,243



Cmt Plug 0-300 25 sx

Cmt Plug 2350-3100 300 sx

Shot and pulled 6 5/8" @ 2958

Cmt Plug 3972-4243 100 sx in Open Hole

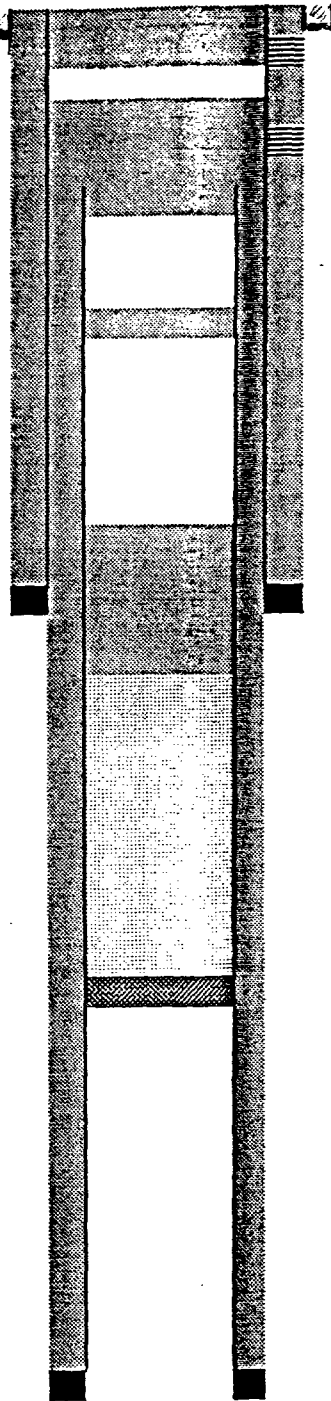
WELL PLUGGED:
8/30/90

11 3/4"
 372'
 300 sks

8 5/8"
 3836'
 500 SX
 TOC:1858' CALC

5 1/2"
 7038'
 650 SX
 TOC:3125' CALC

TD: 7050'



Perf'd @ 450'. Pump 211 sx
Down 8 5/8" csg to surf.
Spot 77 sx from 1490-1200'
Perf'd at 1485'.
Cut off 5 1/2" csg at 1500'.

Spotted 25 sx cmt plug at
2716'.

Spot 50 sx cmt from 4100' to
3600'.

Displaced hole with salt gel
Mud.

Tagged CIBP w/35' cmt cap
At 5710'.

ESH
Hobbs State #5
Section 29-18s-38e

API Number: 30025 23662

P&A: 5/11/73

Datum:

Casing Size: 9 5/8"

Depth: 364

Sx cmt: 200

Casing Size: 7"

Depth: 3826

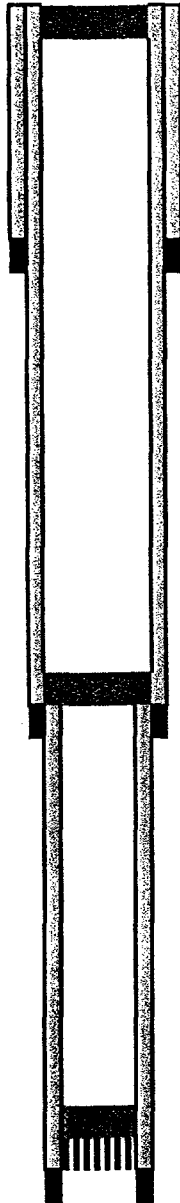
Sx cmt: 200

Casing Size: 4 1/2"

Depth: 5986

Sx cmt:
180

TD: 5,986



Cmt Plug

0-10

na

Shot and pulled casing @ 3744'
Cmt Plug 3744-3644 25 sx

Cmt Plug
BP

5722-5757
5757

na

WELL SCHEMATIC:
XON BOWERS A FL

Sec 29

WELL PLUGGED:
12/3/70

9 5/8"
2736'
650 SX
TOC: SURF (C)

Spotted 10 sx cmt plug from
0' to 25'.

Hole was loaded with mud
Laden fluids.

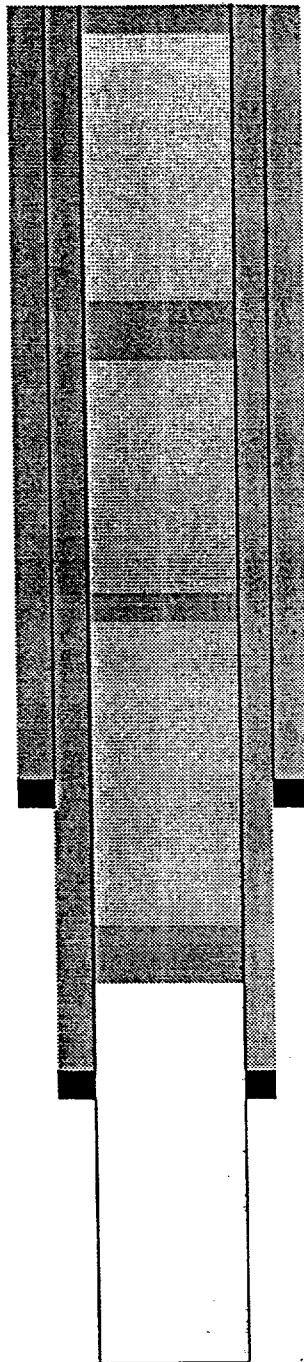
Spotted 20 sx cmt plug from
1400' to 1550'.

Spotted 40 sx cmt plug from
2300' to 2400'.

7"
3970'
300 SX
TOC: 2000(C)

Spotted 50 sx cmt plug from
3000' to 3250'.

TD: 4259'



HUMBLE
Grimes #2
Section 29-18s-38e

API Number: 30025 07455

P&A: 3/23/48

Datum:

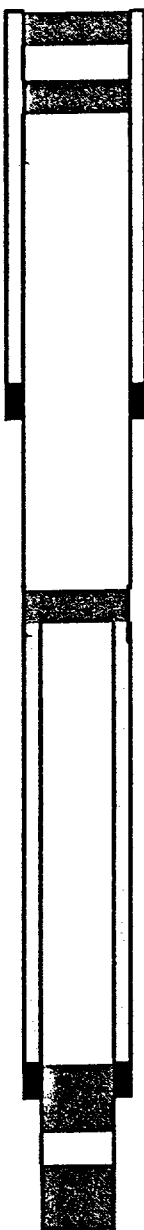
Depth

Cmt Vol

Casing Size: 8 5/8"

Depth: 242

Sxs cmt: 150



Cmt Plug

0-70

25 sx

Cmt Plug

300-111

50 sx

Shot 5 1/2" casing @ 1263 and pulled

Left 1938' of 5 1/2" casing in hole

Cmt Plug

1300-1120

30 sx

Casing Size: 5 1/2"

Depth: 3205

Sxs cmt: 450

Cmt Plug

3496-3160

36 sx

TD: 4,045

Cmt Plug

4045-3780

32 sx

WELL SCHEMATIC.
EXXON BOWERS A FEB '33

WELL PLUGGED:
10/3/72

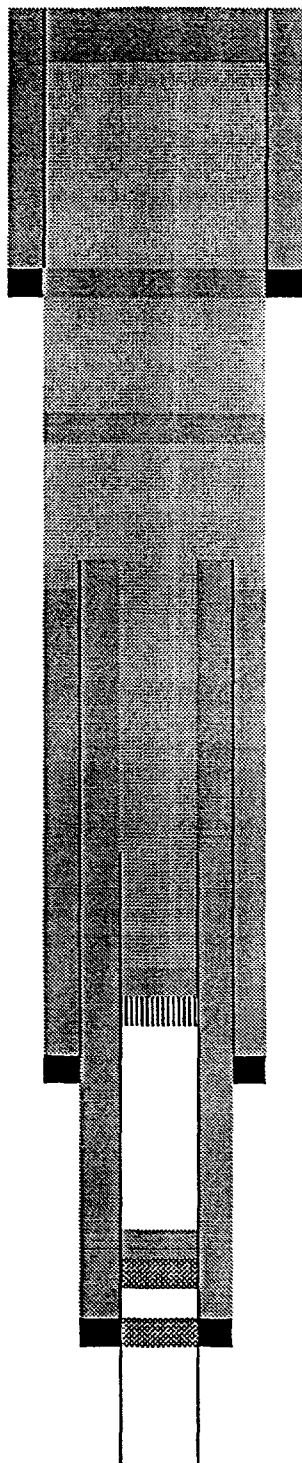
Size: 13 3/8"
Depth: 416'
Hole size: 17"
Cmt: 400 sxs
TOC: Circ. - Calc.
With 50% effic.

Size: 9 5/8"
Depth: 3836'
Hole size: 12.25"
Cmt: 350 sxs
TOC: 2555' T.S.

CIBP at 3970'

Size: 7"
Depth: 5988'
Hole size: 8.75"
Cmt: 550 sxs
TOC: 2900' - T.S.

TD: 6000'



Spot 20' cmt plug at surf

Spot 100' cmt plug at 416'

Run tbg to 1400' & spot 100'
cmt plug

Cut & pull 9 5/8" csg from
1889'

Cut & pull 7" csg from 2560'

Spot 100' cmt on top of CIBP

Set CIBP at 5800' and
Capped with cmt.

Set CIBP at 5900'.

Chevron
State 1-29 #1
Section 29-18s-38e

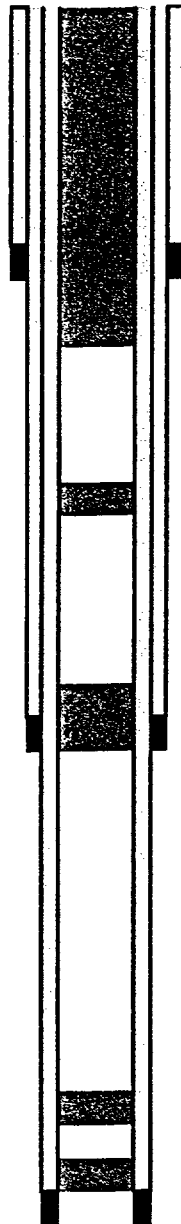
API Number: 30025 07442
P&A: 11/25/89
Datum:

Casing Size: 13 3/8"
Depth: 217
Sx cmt: 200

Casing Size: 9"
Depth: 2735
Sx cmt: 500

Casing Size: 6 5/8"
Depth: 3907
Sx cmt: 174

4191'
TD:



Cmt Plug 0-267

Perf 267 6 5/8" & 9"
Sqz perfs 267 170 sx circ

CICR 1404
Perf 1500 6 5/8" & 9"
Sqz perfs 1500 200 sx

Perf 2681 6 5/8
CICR 2681
Sqz perfs 2685 55 sx
Cmt Plug 2651-2681

CICR 3060
Cmt Plug 3025-3060 na
Sqz Perfs 3138-3241 106 sx

**Shell
Grimes #5
Section 29-18s-38e**

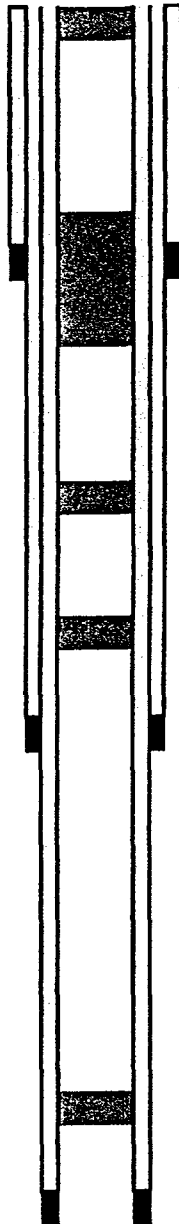
API Number: 30025 07460
P&A: 1/30/81
Datum: 3647

Casing Size: 12 1/2"
Depth: 214
Sx cmt: 250

Casing Size: 9 5/8"
Depth: 2715
Sx cmt: 600

Casing Size: 7"
Depth: 3911
Sx cmt: 400

TD: 4,200



Cmt Plug 0-10 na

Cmt Plug 400-175 na

Cmt Plug 1072-972 na

Cmt Plug 1685-1585 na

Cmt Plug 3930-3830 na

**Chevron
State 1-29 #2
Section 29-18s-38e**

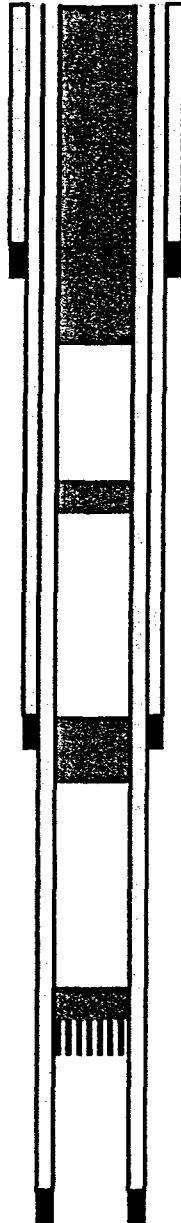
API Number: 30025 07443
P&A: 11/30/89
Datum: 3763

Casing Size: 13"
Depth: 1900
Sx cmt: 150

Casing Size: 9 5/8"
Depth: 2810
Sx cmt: 725

Casing Size: 7"
Depth: 3951
Sx cmt: 300

TD: 4,171



Left 7" casing full of cement

Perf 292 7" & 9 5/8" circ to surf

CICR 1404
Perf 1500 7" & 9 5/8" Sqz w/ 300 sx

Perf 2852 Sqz w/55 sx
CICR 2744
Cmt Plug 2719-2852 na

Cmt Plug 3037-3072 na
CIBP 3072

**Altura
NHGSU # 421
Section 29-18s-38e**

API Number: 30025 07459

P&A: 9/22/00

Datum:

Casing Size: 12 1/2"

Depth: 220

Sxs cmt: 200

Casing Size: 9 5/8"

Depth: 2720

Sxs cmt: 600

Casing Size: 7"

Depth: 3880

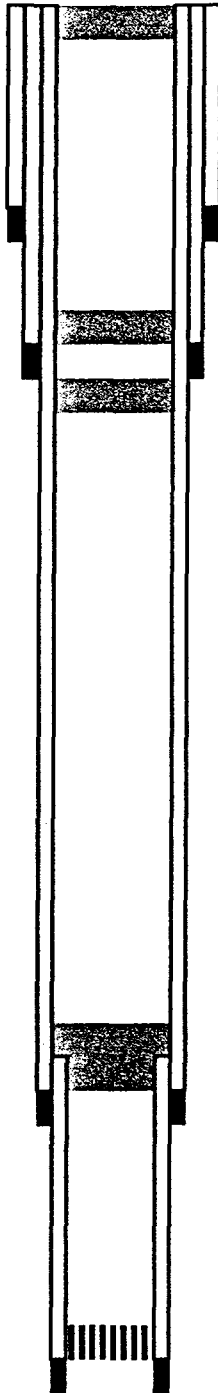
Sxs cmt: 300

Casing Size: 5 1/2"

Depth: 3796-4236

Sxs cmt: 50

TD: 4176



Cmt Plug: 0-62 10 sx in 7" csg.

Squeeze 100 sx below ret. To surf on 7" x 9 5/8" csg. Stung out left 60 feet on top of ret.

Perf at 500 feet, set CICR at 308 feet

Cmt Plug: 1868-1748 20 sxs

Cmt Plug: 2862-2742 20 sxs

Cmt Plug: 3773-3722 20 sxs

CIBP 4100 40 sxs on top

**Shell
Grimes #2
Section 29-18s-38e**

API Number: 30025 07457
P&A: 1/19/82 - 3/2/82
Datum: 3650

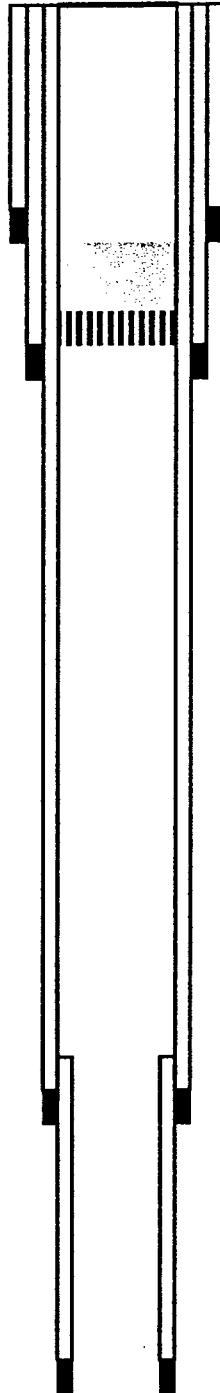
Casing Size: 15 1/2"
Depth: 218
Sxs cmt: 200

Casing Size: 9 5/8"
Depth: 2754
Sxs cmt: 600

Casing Size: 7"
Depth: 3880
Sxs cmt: 300

Casing Size: 5 1/2"
Depth: 3350-4176
Sxs cmt: 100

TD: 4176



Weld on plat over 16" casing w/marker.

CO to 1150, tag top of cut off 9 5/8" @ 1200'.
Cmt Plug 1200 1535 sxs

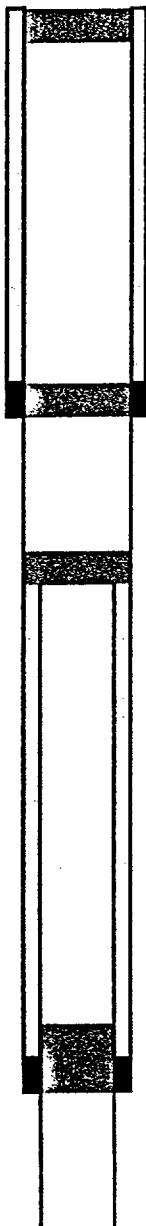
Cmt Plug: 1361 2000 sxs
PBD 1361

Getty
Grimes #1
Section 29-18s-38e

API Number: 30025 07456
P&A: 7/25/68
Datum: 3647

Depth Cmt Vol

Casing Size: 12 3/4"
Depth: 236
Sx cmt 200



Cmt Plug Surface 10 sx

Cmt Plug Base of 12 3/4" 25 sx

Shot and pulled 7" @ 787'

Cmt Plug 787 25 sx

Casing Size: 7"
Depth: 3826
Sx cmt 300sx

Cmt Plug 3500 25 sx
Cmt Plug 3599-3467 25 sx

TD: 4,060

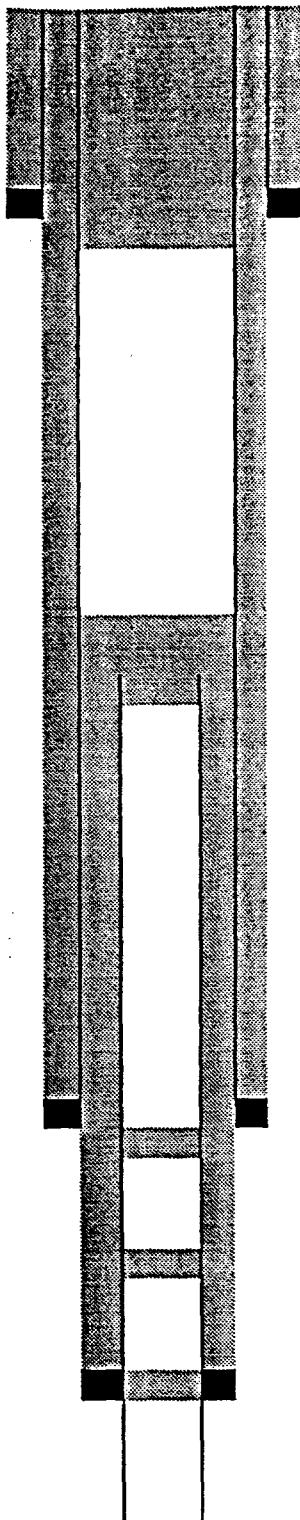
WELL PLUGGED:
12/21/71

15 1/2"
235'
225 SX
TOC: NA

9 5/8"
2716'
650 SX
TOC: SURF (C)

7"
3987'
300 SX
TOC: 2027 (C)

TD: 4239



Set 120 sx cmt plug at 250'
And circulate.

Cut off 7" csg. at 1500' and
Pull out of hole. Pump 60 sx
Cmt plug at 1500'.

Set plug at 2800'.

Spotted 25 sx cmt plug at
3355'.

Spotted 28 sx cmt plug at
3970'.

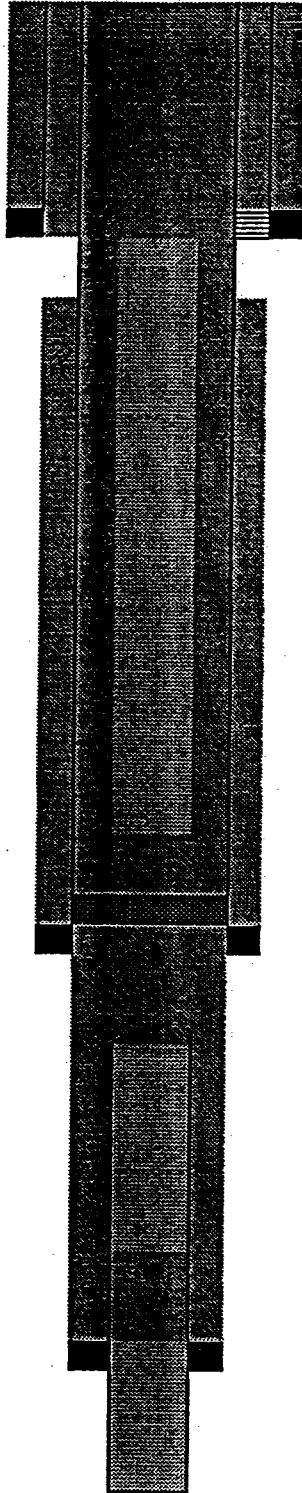
WELL PLUGGED:
3/14/57

16"
260'
225 SX
TOC: SURF (C)

9 5/8"
2750'
500 SX
TOC: NA

7"
3946'
350 SX
TOC: NA

TD: 4215'



Perfd 9 5/8" csg at 255'. Circ
300 sx cmt to surf 9 5/8" x
16" csg annulus leaving 255'
Cmt plug in top of 9 5/8" csg
And 16" surf pipe.

Hole loaded with gel based
Mud.

Spotted 125' cmt plug from
2703' to 2578'.
Set cast iron cmt ret in 9 5/8"
Csg at 2703' and sqzd 50 sx
Cmt below cmt ret.

Cut 7" csg at 3060' and
Pulled same.

Spotted 312' cmt plug from
3602' to 3914'.

WELL SCHEMATIC:
EXON BOWERS A #1

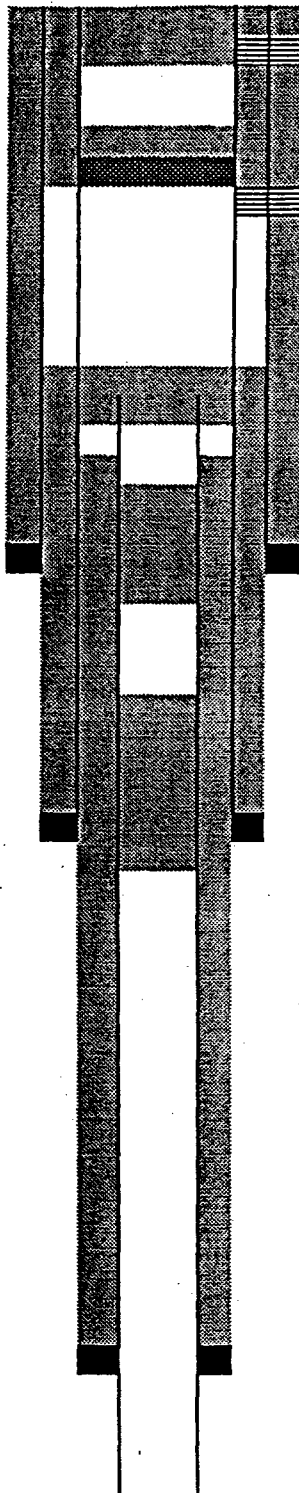
WELL PLUGGED:
11/15/89

9 5/8"
2750'
620 SX
TOC: NA

7"
3962'
528 SX
TOC: NA

4 1/2"
6000'
275 SX
TOC: 2200 TS

TD: 6000'



Perf'd 7" & 9 5/8" csg at 280'
& sqzd w/100 sx.

Dropped 54' cmt on top of ret

Perf'd 7" and 9 5/8" csg at
1350'. Set cmt ret at 1304'.
Sqz'd w/100 sx thru perfs.

Spotted 25 sx cmt plug from
1911' to 2058'.
Cut 4 1/2" csg at 2000' and
Pull out of hole.
Spotted 20 sx cmt plug from
2470' to 2800'.

Spotted 40 sx cmt plug from
3430' to 4100'.

14 07/171

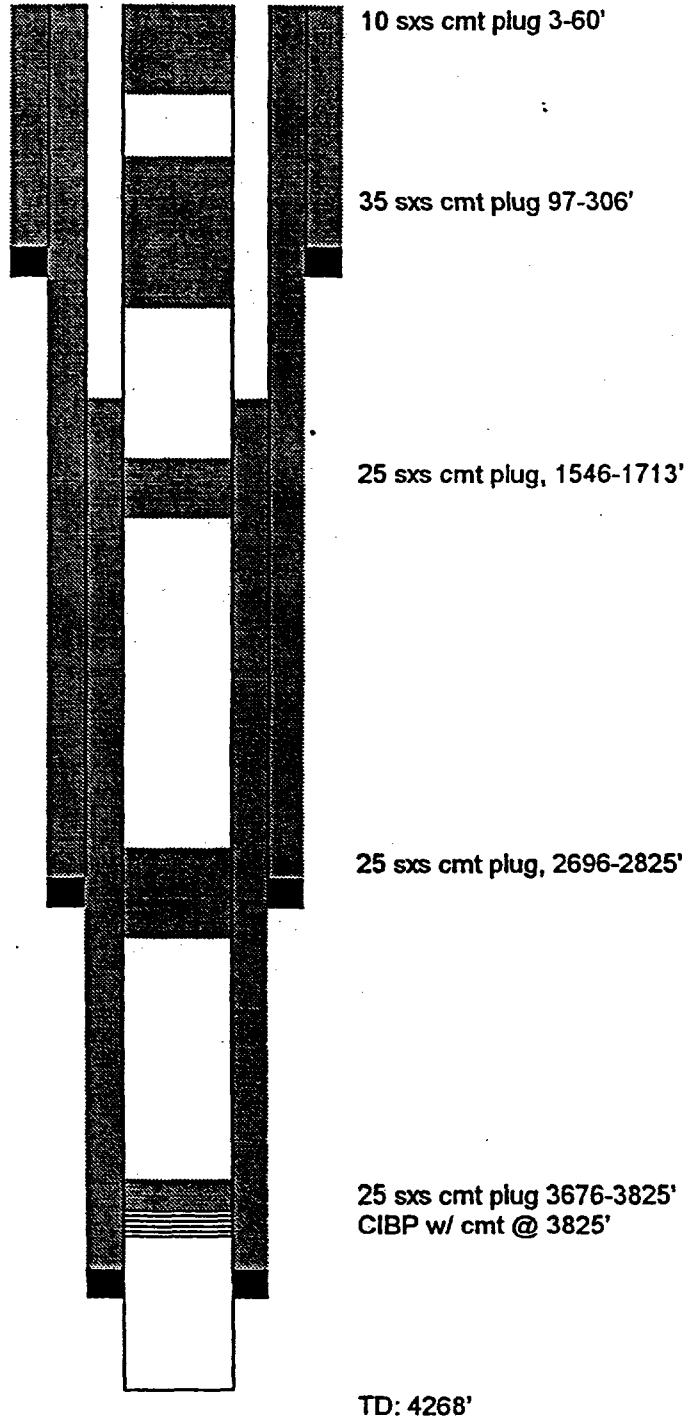
NHU 30-342
(Formerly Bowers Fed. A #8)
Humble
Unit O, 440 FSL & 2320 FEL
Sec 30, T-18-S, R-38-E

P&A'd: 4/27/99
DATUM: 3654 df

Size: 12-1/2"
Weight: 50#
Depth: 220'
Hole Size: 18"
Cmt: 210 sxs
TOC: Circ.

Size: 9-5/8"
Weight: 36#
Depth: 2750'
Hole Size: 12"
Cmt: 650 sxs
TOC: Circ.

Size: 7"
Weight: 26#
Depth: 3974'
Hole Size: 8-3/4"
Cmt: 300 sxs
TOC: 1144 CBL



WELL PLUGGED:
8/4/90

8 5/8"
3836'
500 SX
TOC: 2300' TS

Perf'd 8 5/8" at 450'. Pumped
211 sx down 8 5/8" thru perfs
At 450' and circulate.

Perf'd 8 5/8" csg at 1485'.
Cut off 4 1/2 csg at 1500'.
Spotted 77 sx cmt plug from
1500' to 1385'.

Spotted 15 sx cmt plug from
2711' to 2528'.

Spotted 70 sx cmt plug from
4632' to 3364'.

Cmt. ret. at 4632' - sqz with
25 sx.

CIBP at 5300' w/ 35' cmt cap.

4 1/2"
5988'
550 SX
TOC: 2800' TS

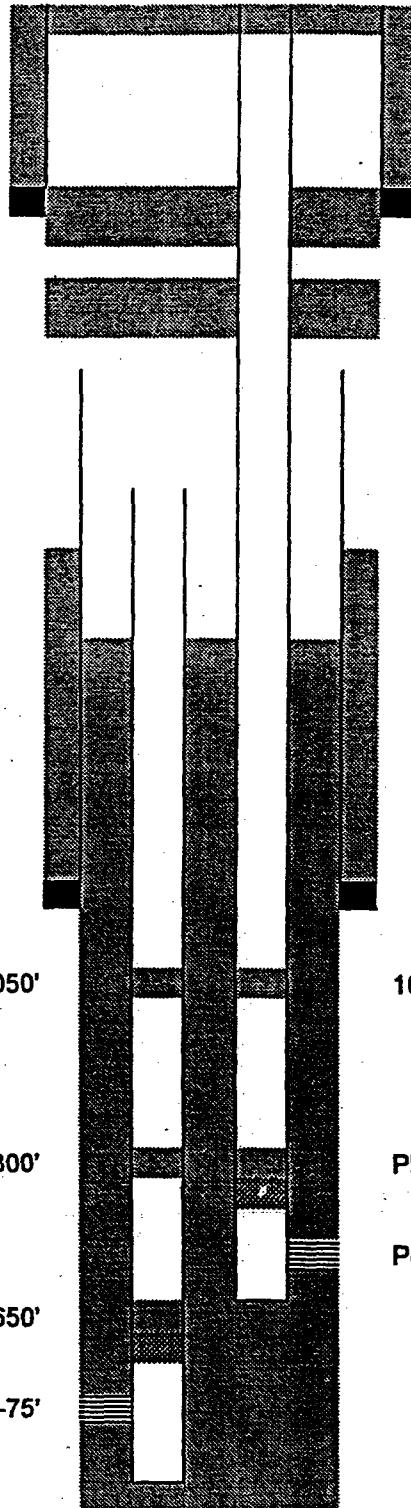
TD: 6000'

WELL SCHEMATIC - Exxon Bowers A Federal #34

Sec 30

Well plugged 9/26/72

13-3/8"
401'
600 sxs
TOC: Circ.



20' cmt. Plug at surface.

100' cmt plug at 13-3/8 csg shoe

100' cmt plug at 1400'

9-5/8 casing cut off at 1750'

Cut one 3-1/2" strings off at 2250'

9-5/8" TOC: 2400'

Cmt top inside 9-5/8" at 2600'

9-5/8"
3850'
550 sxs

100' cmt plug at 4050'

100' cmt plug at 4050'

100' cmt plug at 5800'

Plug w/ 100' cmt at 5694'

Perfs: 5848-98'

Plug w/ 100' cmt at 6650'

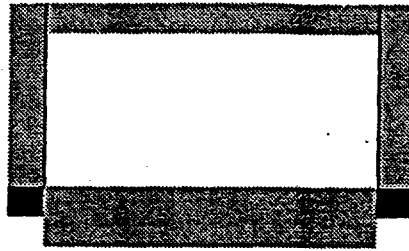
Perfs: 6932-75'

TD:7010'

WELL SCHEMATIC - Exxon Bowers A Federal #32

Well plugged 9/14/72

13-3/8"
401'
600 sxs
TOC: Circ.

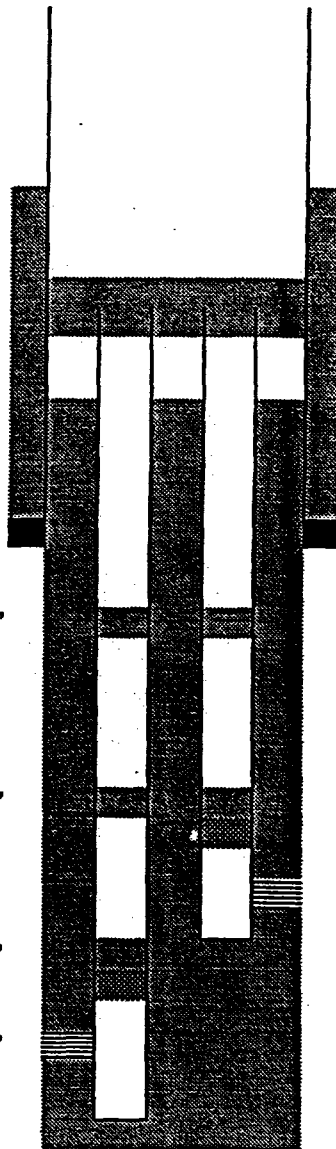


20' cmt. Plug at surface.

100' cmt plug at 13-3/8 csg shoe



100' cmt plug at 1400'



9-5/8 casing cut off at 1800'

9-5/8" TOC: 2250'

Both 3-1/2" strings cut off at 2700'
and capped with 100' of cmt.

Cmt top inside 9-5/8" at 2900'

9-5/8"
3850'
550 sxs

100' cmt plug at 4050'

100' cmt plug at 4050'

100' cmt plug at 5800'

Plug w/ 100' cmt at 5694'

Perfs: 5825-5964'

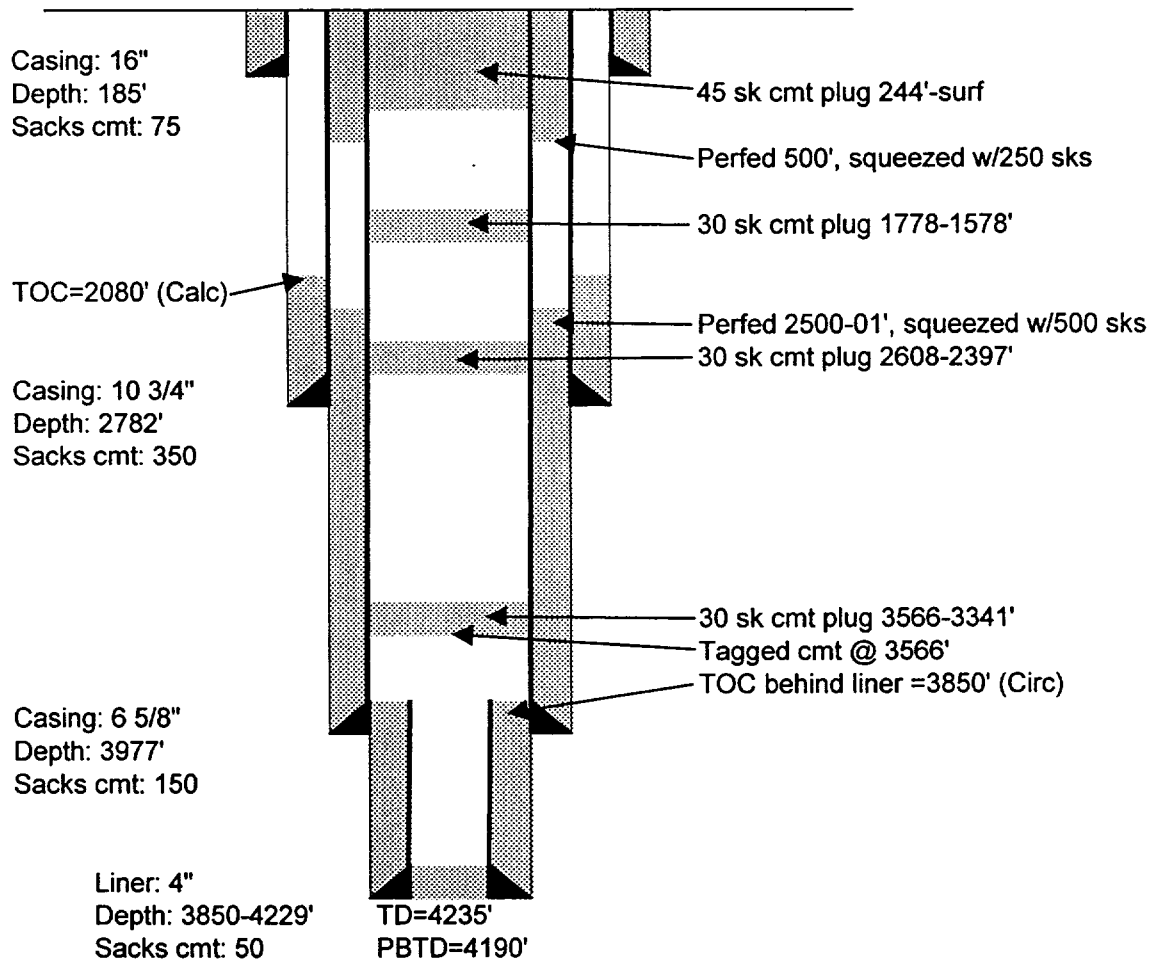
Plug w/ 100' cmt at 6200'

Perfs: 6974-82'

TD:7075'

ALTURA ENERGY **South Hobbs (GB/SA) Unit #12** **Section 5-19S-38E**

API Number: 3002507625
P&A: 12/30/97
Datum:



**Gulf
West Grimes #6
Section 32-18s-38e**

API Number: 30025 07524

P&A: 4/19/52

Datum: 3676

Casing Size: 13 5/8"
Depth: 213
Sx cmt: 200

Casing Size: 9 5/8"
Depth: 2765
Sx cmt: 600

Casing Size: 6 5/8"
Depth: 4134
Sx cmt: 400

TD: 4,166



Cmt Plug 0-50 50 sx

Shot and pulled 6 5/8" casing @ 969'
Shot and pulled 9 5/8" casing @ 978'

Cmt Plug 1050-950 53 sx

CICR 3098 Sqz below CICR
Cmt Plug 3030-TD 35 sx

**Ohio Oil
State Northrup # 1
Section 32-18s-38e**

API Number: 30025 07535
P&A: 7/21/58
Datum:

Casing Size: 20"
Depth: 98
Sxs cmt: 100

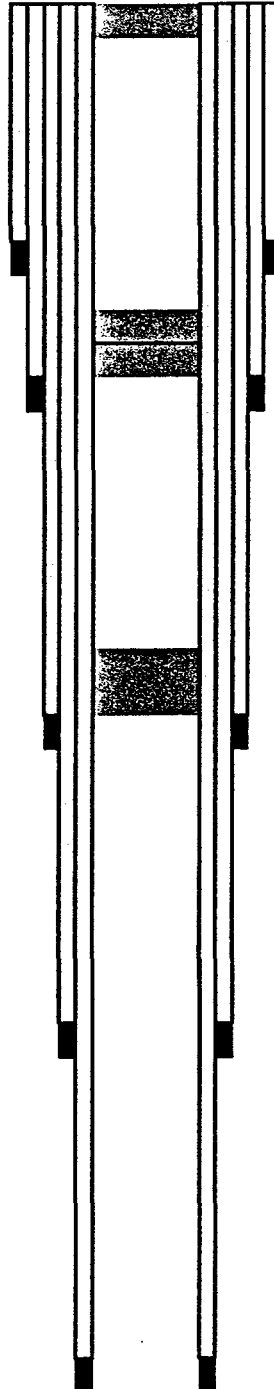
Casing Size: 12 1/2"
Depth: 1482
Sxs cmt: 175

Casing Size: 10 3/4"
Depth: 2776
Sxs cmt: 200 sx

Casing Size: 7"
Depth: 3850
Sxs cmt: 275

Casing Size: 5"
Depth: 3244
Sxs cmt: 500*
*circ to surf

TD: 4175



Cmt Plug: 0-50 5 sx

Circ cmt to surf in 10 3/4"-12 1/2"
casing annulus

Cmt Plug 350-400 na
Perf 5", &', & 10 3/4" @ 400'
Sqz perfs w/110 sx

Perf 5", &', & 10 3/4" @ 1000'
Sqz Perfs 160 sx
Cmt Plug 600-1000 40 sx

Cmt Plug 3227-2603 55

Shell
NHGSU #311
Section 32-18s-38e

API Number: 30025 07515

P&A: 4/19/84

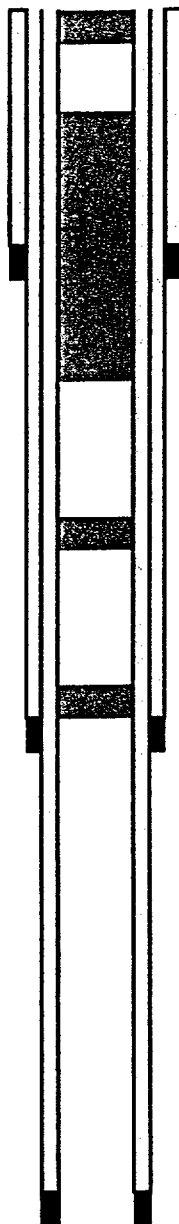
Datum: 4160

Casing Size: 12 1/2"
 Depth: 207
 Sx cmt: 200

Casing Size: 9 5/8"
 Depth: 2739
 Sx cmt: 425

Casing Size: 7"
 Depth: 3938
 Sx cmt: 350

TD: 4,160



Cmt Plug 0-70 na

Cmt Plug 230 sx

Perf 500
 Cmt Plug circ to surf between 7" & 9 5/8"

Perf 1580
 Cmt Plug 1417-1580 200 sx

Cmt Plug 2460-2560 20 sx

API Number: 30025 22753
P&A: 10/27/70
Datum: 3654

Casing Size: 7"
Depth: 1555
Sx cmt 400

Casing Size: 4 1/2"
Depth: 4275
Sx cmt 300

TD: 4,275

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STATEMENT OF RANDY STILWELL GEOLOGIST FOR THE NORTH HOBBS UNIT

I have examined the available geologic and engineering data and find no evidence of open faults or any other hydrological connection between the proposed injection interval and any source of drinking water.



RANDY STILWELL, GEOLOGIC ADVISOR

8-7-01

DATE

MITCHELL ANALYTICAL LABORATORY

2638 Faudree
Odessa, Texas 79765-8538
561-5579

Water Analysis

Company.... Nalco/Exxon Energy Chemicals
Well # WIS DISCHARGE PUMP
Lease..... ALTURA NHU
Location...
Date Run... 11/08/1999
Lab Ref #.. 99-NOV-N05126

Sample Temp... 70.0
Date Sampled.. 11/05/1999
Sampled by.... Mike Athey
Employee # ... 27-008
Analyzed by... DANIEL

Dissolved Gasses

		Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulfide	(H ₂ S)	486.00	16.00	30.38
Carbon Dioxide	(CO ₂)	Not Analyzed		
Dissovled Oxygen	(O ₂)	Not Analyzed		

Cations

Calcium	(Ca++)	804.00	20.10	40.00
Magnesium	(Mg++)	195.20	12.20	16.00
Sodium	(Na+)	3,459.66	23.00	150.42
Barium	(Ba++)	Not Analyzed		
Manganese	(Mn++)	Not Analyzed		

Anions

Hydroxyl	(OH-)	Not Analyzed		
Carbonate	(CO ₃ =)	0.00	30.00	0.00
Bicarbonate	(HCO ₃ -)	1,869.66	61.10	30.60
Sulfate	(SO ₄ =)	1,700.00	48.80	34.84
Chloride	(Cl-)	5,005.50	35.50	141.00
Total Iron	(Fe)	0.30	18.60	0.02
Total Dissolved Solids		13,520.32		
Total Hardness As CaCO ₃		2,810.32		
Conductivity MICROMHOS/CM		23,500		

pH 6.500 Specific Gravity 60/60 F. 1.009

CaSO₄ Solubility @ 80 F. 46.63 MEq/L, CaSO₄ scale is unlikely

CaCO₃ Scale Index

70.0	0.190
80.0	0.310
90.0	0.530
100.0	0.530
110.0	0.790
120.0	0.790
130.0	1.090
140.0	1.090
150.0	1.370

Nalco/Exxon Energy Chemicals



Laboratory Services, Inc.

4016 Fiesta Drive
Hobbs, New Mexico 88240
Telephone: (505) 397-3713

Water Analysis

COMPANY Altura Energy Ltd,

SAMPLE Fresh Water Well For Well 30-121

SAMPLED BY

DATE TAKEN 5/10/00

REMARKS T18S-R38E-Sec 30, Qtr Sec 1,4,2

Barium as Ba	0	
Carbonate alkalinity PPM	0	
Bicarbonate alkalinity PPM	184	
pH at Lab	7.42	
Specific Gravity @ 60°F	1.001	
Magnesium as Mg	128	
Total Hardness as CaCO3	220	
Chlorides as Cl	42	
Sulfate as SO4	75	
Iron as Fe	0	
Potassium	0.08	
Hydrogen Sulfide	0	
Rw	12.1	23.0 C
Total Dissolved Solids	544	
Calcium as Ca	92	
Nitrate	11	

Results reported as Parts per Million unless stated

Langelier Saturation Index - 0.33

Analysis by: Rolland Perry
Date: 5/14/00

**Laboratory Services, Inc.**

4016 Fiesta Drive
Hobbs, New Mexico 88240
Telephone: (505) 397-3713

Water Analysis

COMPANY Altura Energy Ltd,

SAMPLE Fresh Water Well For Wells 33111 & 28131
SAMPLED BY _____

DATE TAKEN 5/9/00

REMARKS T18S-R38E-Sec 29, Qtr Sec. 4,2,1

Barium as Ba	0	
Carbonate alkalinity PPM	40	
Bicarbonate alkalinity PPM	216	
pH at Lab	7.63	
Specific Gravity @ 60°F	1	
Magnesium as Mg	174	
Total Hardness as CaCO ₃	300	
Chlorides as Cl	155	
Sulfate as SO ₄	115	
Iron as Fe	0.1	
Potassium	0.09	
Hydrogen Sulfide	0	
Rw	9.4	@ 25° C
Total Dissolved Solids	850	
Calcium as Ca	126	
Nitrate	7.5	

Results reported as Parts per Million unless stated

Langelier Saturation Index 0.05

Analysis by: Vickie Walker
Date: 6/6/00

**Laboratory Services, Inc.**

4016 Fiesta Drive
Hobbs, New Mexico 88240
Telephone: (505) 397-3713

Water Analysis

COMPANY Altura Energy Ltd,

SAMPLE Fresh Water Well For Well 28131

SAMPLED BY _____

DATE TAKEN 6/1/00

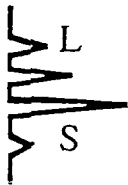
REMARKS T18S-R38E-Sec 28, Qtr Sec. 1,1,1

Barium as Ba	0	
Carbonate alkalinity PPM	0	
Bicarbonate alkalinity PPM	204	
pH at Lab	7.1	
Specific Gravity @ 60°F	1	
Magnesium as Mg	158	
Total Hardness as CaCO ₃	272	
Chlorides as Cl	127	
Sulfate as SO ₄	110	
Iron as Fe	0	
Potassium	0.07	
Hydrogen Sulfide	0	
Rw	9.5	@ 25° C
Total Dissolved Solids	730	
Calcium as Ca	114	
Nitrate	7.9	

Results reported as Parts per Million unless stated

Langelier Saturation Index + 0.55

Analysis by: Vickie Walker
Date: 6/5/00



Laboratory Services, Inc.

4016 Fiesta Drive
Hobbs, New Mexico 88240
Telephone: (505) 397-3713

Water Analysis

COMPANY Altura Energy Ltd,

SAMPLE Fresh Water Well For Well 19-231

SAMPLED BY

DATE TAKEN 5/10/00

REMARKS T18S-R38E-Sec 19, Qtr Sec. 4,3,2

Barium as Ba	0
Carbonate alkalinity PPM	0
Bicarbonate alkalinity PPM	228
pH at Lab	7.3
Specific Gravity @ 60°F	1.001
Magnesium as Mg	169
Total Hardness as CaCO ₃	292
Chlorides as Cl	64
Sulfate as SO ₄	100
Iron as Fe	0
Potassium	0.09
Hydrogen Sulfide	0
Rw	11.8
Total Dissolved Solids	715
Calcium as Ca	123
Nitrate	12.8

Results reported as Parts per Million unless stated

Langelier Saturation Index - 0.25

Analysis by: Rolland Perry
Date: 5/14/00

North Hobbs Unit CO2 Project

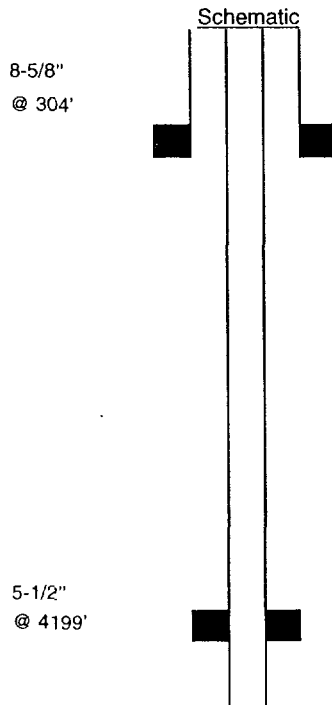
Phase 1 Injection Well List

Well	Footage Location	Section	Township	Range	Current Status	CO2 Status 1	Status 2
121	1980' FNL & 660' FWL	13	18S	37E	TA Prod		
141	660' FSL & 660' FWL	13	18S	37E	TA Inj		
221	1980' FNL & 1980' FWL	13	18S	37E	TA Inj		
241	660' FSL & 1980' FWL	13	18S	37E	TA Prod	Producer	
341	660' FSL & 1980' FEL	13	18S	37E	Producer		
441	330' FSL & 330' FEL	13	18S	37E	Producer		
321	2310' FNL & 1650' FEL	14	18S	37E	TA Inj		
341	660' FSL & 1650' FEL	14	18S	37E	TA Prod		
342	330' FSL & 2310' FEL	18	18S	38E	TA Prod		
112	990' FNL & 990' FWL	19	18S	38E	Injector		
142	1200' FSL & 1300' FWL	19	18S	38E	Injector		
231	2310' FSL & 2310' FWL	19	18S	38E	Injector		
232	2501' FSL & 1410' FWL	19	18S	38E	Producer		
311	1309' FNL & 2310' FEL	19	18S	38E	TA Prod		
332	1430' FSL & 2535' FEL	19	18S	38E	Injector	Producer	Injector
411	1300' FNL & 1300' FEL	19	18S	38E	TA Prod		
431	1650' FSL & 990' FEL	19	18S	38E	Injector	Injector	
233	1610' FSL & 1850' FWL	20	18S	38E	TA Prod	Injector	
321	1650' FNL & 1650' FEL	23	18S	37E	TA Prod		
341	990' FSL & 1650' FEL	23	18S	37E	TA Prod		
121	1650' FNL & 990' FWL	24	18S	37E	TA Prod		
141	1315' FSL & 1315' FWL	24	18S	37E	Producer		
212	1263' FNL & 2605' FWL	24	18S	37E	Injector	Producer	Injector
331	1320' FSL & 1325' FEL	24	18S	37E	Producer		
411	990' FNL & 990' FEL	24	18S	37E	Producer		
413	1200' FNL & 206' FEL	24	18S	37E	Injector	Producer	Injector
414	10' FNL & 1280' FEL	24	18S	37E	Producer		
431	990' FSL & 330' FEL	24	18S	37E	Producer		
432	2741' FSL & 1286' FEL	24	18S	37E	Injector	Producer	Injector
442	1260' FSL & 200' FEL	24	18S	37E	Injector	Producer	Injector
121	1650' FNL & 990' FWL	25	18S	37E	TA Inj		
341	660' FSL & 1650' FEL	25	18S	37E	TA Inj		
411	330' FNL & 330' FEL	25	18S	37E	Producer		
422	1550' FNL & 1300' FEL	25	18S	37E	Injector		
221	1910' FNL & 1650' FWL	28	18S	38E	Injector	Injector	
231	1325' FSL & 1325' FWL	28	18S	38E	Injector	Injector	
122	1600' FNL & 180' FWL	29	18S	38E	Injector	Producer	Injector
132	1623' FSL & 1218' FWL	29	18S	38E	Injector	Injector	
141	330' FSL & 330' FWL	29	18S	38E	Injector	Injector	
222	1370' FNL & 850' FWL	29	18S	38E	Injector	Injector	
241	330' FSL & 2310' FWL	29	18S	38E	Injector	Injector	
242	100' FSL & 1400' FWL	29	18S	38E	Producer	Injector	
321	2310' FNL & 1650' FEL	29	18S	38E	Producer	Injector	
331	1650' FSL & 1650' FEL	29	18S	38E	Injector	Injector	
342	1230' FSL & 2500' FEL	29	18S	38E	Injector	Injector	
411	990' FNL & 990' FEL	29	18S	38E	TA Inj	Injector	
442	1230' FSL & 220' FEL	29	18S	38E	Injector	Injector	
112	200' FNL & 1310' FWL	30	18S	38E	Injector	Producer	Injector
113	1310' FNL & 195' FWL	30	18S	38E	Producer		
222	1470' FNL & 1395' FWL	30	18S	38E	Injector		

223	1770' FNL & 2405' FWL	30	18S	38E	Injector	Producer	Injector	
232	1400' FSL & 1370' FWL	30	18S	38E	Injector			
233	2455' FSL & 1480' FWL	30	18S	38E	Injector	Producer		
312	520' FNL & 1448' FEL	30	18S	38E	Producer	Injector		
313	405' FNL & 2272' FEL	30	18S	38E	Injector	Injector		
331	2335' FSL & 2310' FEL	30	18S	38E	Producer	Injector		
332	2470' FSL & 1600' FEL	30	18S	38E	Injector	Injector		
333	1400' FSL & 2430' FEL	30	18S	38E	Injector	Producer		
422	1520' FNL & 1300' FEL	30	18S	38E	Injector	Injector		
432	2260' FSL & 178' FEL	30	18S	38E	Injector	Injector		
442	1300' FSL & 1050' FEL	30	18S	38E	Injector	Injector		
443	1300' FSL & 160' FEL	30	18S	38E	Injector	Injector		
444	215' FSL & 1225' FEL	30	18S	38E	Producer	Injector		
121	1980' FNL & 990' FWL	31	18S	38E	TA Prod	Injector		
312	1262' FNL & 1520' FEL	31	18S	38E	Injector	Injector		
112	1370' FNL & 330' FWL	32	18S	38E	Injector	Injector		
131	2310' FNL & 330' FWL	32	18S	38E	Producer	Injector		
222	1720' FNL & 1370' FWL	32	18S	38E	Injector	Injector		
223	2630' FNL & 1420' FWL	32	18S	38E	Injector	Producer	Injector	
312	210' FNL & 1400' FEL	32	18S	38E	Injector	Producer	Injector	
321	1650' FNL & 2310' FEL	32	18S	38E	Injector	Producer	Injector	
323	1370' FNL & 1400' FEL	32	18S	38E	Injector	Injector		
422	1385' FNL & 110' FEL	32	18S	38E	Producer	Injector		
423	2540' FNL & 1280' FEL	32	18S	38E	Injector	Injector		
431	2310' FSL & 330' FEL	32	18S	38E	Injector	Injector		
111	330' FNL & 330' FWL	33	18S	38E	Producer	Injector		
212	205' FNL & 1420' FWL	33	18S	38E	Injector	Producer	Injector	
222	1520' FNL & 1470' FWL	33	18S	38E	Injector	Injector		
321	1650' FNL & 1650' FEL	36	18S	37E	TA Inj			
118JP	J/P	18	18S	38E	New			
118LN	L/N	18	18S	38E	New			
118MN	M/N	18	18S	38E	New			
112A	D	19	18S	38E	New			
142A	N	19	18S	38E	New			
431A	1650' FSL & 660' FEL	20	18S	38E	Plugged	Injector		
120DF	D/F	20	18S	38E	New	Injector		
312A	B	24	18S	38E	New			
331A	J	24	18S	38E	New			
124G	G	24	18S	38E	New			
124F	F	24	18S	38E	New			
125AB	A/B	25	18S	38E	New			
323A	G	29	18S	38E	New	Injector		
342A	O	29	18S	38E	New	Injector		
442A	P	29	18S	38E	New	Injector		
129E	E	29	18S	38E	New	Injector		
222A	F	30	18S	38E	New			
342A	O	30	18S	38E	Plugged	Injector		
422A	H	30	18S	38E	New	Injector		
442A	P	30	18S	38E	New	Injector		
312A	B	31	18S	38E	New	Injector		
222A	F	32	18S	38E	New	Injector		
323A	G	32	18S	38E	New	Injector		
331A	2310' FSL & 2310' FEL	32	18S	38E	New	Injector		
		Note: Shading denotes wells that will be injecting CO2, water and produced gases. All other injectors shown above will be injecting CO2 and water.						

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 13-121	Footage Location 1980' FNL & 660' FWL	Section 13	Township 18-S	Range 37-E	Unit Letter E



Tubular Data

Surface Casing
 Size 8- 5/8" Cemented with 282 sxs.
 TOC SURF Determined by CIRC
 Hole size _____

Intermediate Casing
 Size _____ Cemented with _____ sxs.
 TOC _____ Determined by _____
 Hole size _____

Long string Casing
 Size 5-1/2" Cemented with 1800 sxs.
 TOC 874' Determined by CBL
 Hole size _____

Liner
 Size _____ Cemented with _____ sxs.
 TOC _____ Determined by _____
 Hole size _____

Total depth 4235'

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

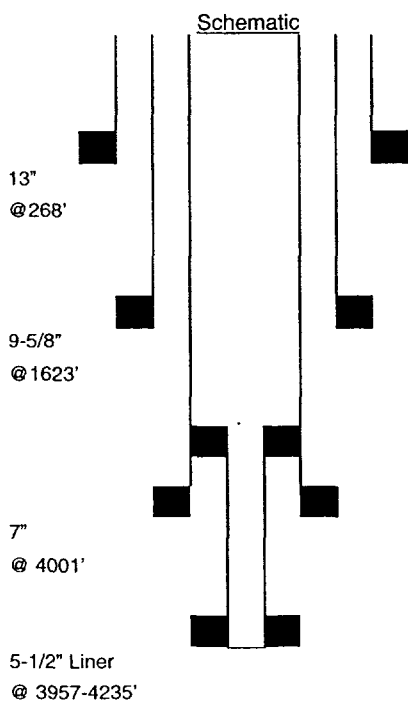
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI Packer at Within 100 feet of top perf
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 13-141	Footage Location 660' FSL & 660' FWL	Section 13	Township 18-S	Range 37-E	Unit Letter M



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>13"</u>	Cemented with	<u>200</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size	<u> </u>		

Completion type Perforated Casing

Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a

Guiberson – Uni VI packer at Within 100 feet of top perf.

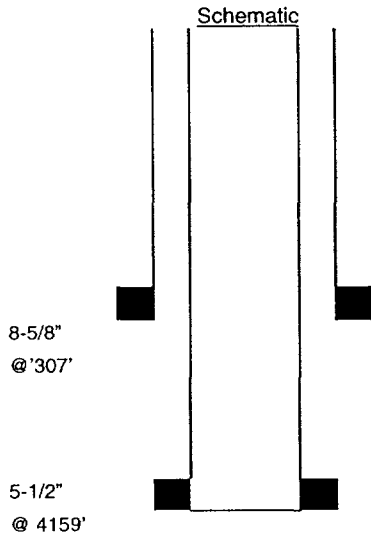
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) Sqz. hole @ 1580' w/300 sx.; sqz. hole @ 1905' w/1000 sx.; sqz. holes @ 2666' – 67' w/1500 sx.
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 13-221	Footage Location 1980' FNL & 1980' FWL	Section 13	Township 18-S	Range 37-E	Unit Letter F



		<u>Tubular Data</u>	
<u>Surface Casing</u>			
Size	<u>8-5/8"</u>	Cemented with	<u>300</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size	_____		
<u>Intermediate Casing</u>			
Size	_____	Cemented with	_____ sxs.
TOC	_____	Determined by	_____
Hole size	_____		
<u>Long string Casing</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>1700</u> sxs.
TOC	<u>1777'</u>	Determined by	<u>CBL</u>
Hole size	_____		
<u>Liner</u>			
Size	_____	Cemented with	_____ sxs.
TOC	_____	Determined by	_____
Hole size	_____		
Total depth	<u>4160'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

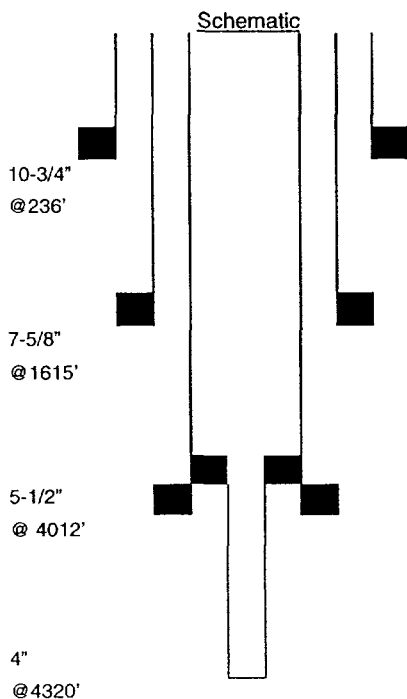
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson -- Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg -- San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 13-241	Footage Location 660' FSL & 1980' FWL	Section 13	Township 18-S	Range 37-E	Unit Letter N



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	10-3/4"	Cemented with	150 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	7-5/8"	Cemented with	300 sxs.
TOC	386'	Determined by	CALC-50% EFFIC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	400 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner (Proposed)</u>			
Size	4"	Cemented with	50 (est.) sxs.
TOC	Circ. (est.)	Determined by	
Hole size			
Total depth	4320'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

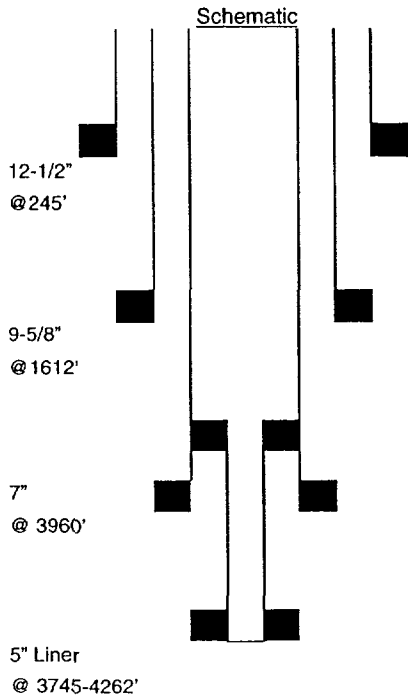
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) Sqz. holes @ 2380' – 81' w/750 sxs (circulated)
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 13-341	Footage Location 660' FSL & 1980' FEL	Section 13	Township 18-S	Range 37-E	Unit Letter O



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	12-1/2"	Cemented with	150 sxs.
TOC	SURF	Determined by	CALC-50% EFFIC
Hole size			
<u>Intermediate Casing</u>			
Size	9-5/8"	Cemented with	200 sxs.
TOC	902'	Determined by	CALC-50% EFFIC
Hole size			
<u>Long string Casing</u>			
Size	7"	Cemented with	275 sxs.
TOC	3030'	Determined by	CBL
Hole size			
<u>Liner</u>			
Size	5"	Cemented with	110 sxs.
TOC	TOL	Determined by	CIRC
Hole size			
Total depth	4263'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

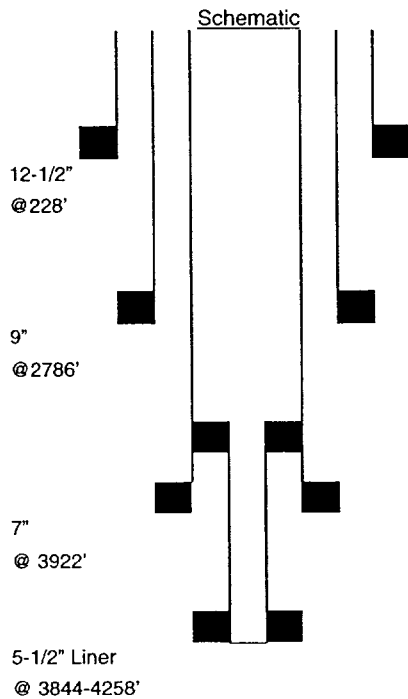
Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No
 If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 13-441	Footage Location 330' FSL & 330' FEL	Section 13	Township 18-S	Range 37-E	Unit Letter P



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	12-1/2"	Cemented with	200 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	9"	Cemented with	600 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	7"	Cemented with	250 sxs.
TOC	3074'	Determined by	CBL
Hole size			
<u>Liner</u>			
Size	5-1/2"	Cemented with	100 sxs.
TOC	TOL	Determined by	CALC-50% EFFIC
Hole size			
Total depth	4258'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

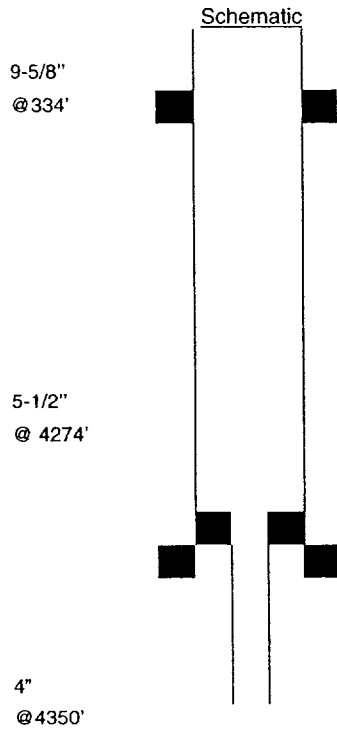
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) Sqz. holes @ 2778' - 80' w/335 sxs (circulated)
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 14-321	Footage Location 2310' FNL & 1650' FEL	Section 14	Township 18-S	Range 37-E	Unit Letter G



		<u>Tubular Data</u>	
<u>Surface Casing</u>			
Size	9-5/8"	Cemented with	325 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	600 sxs.
TOC	2647'	Determined by	CBL
Hole size			
<u>Liner (Proposed)</u>			
Size	4	Cemented with	50 (est.) sxs.
TOC	TOL (est.)	Determined by	
Hole size			
<u>Total depth</u>	Proposed deepening to 4350'		
	(Current TD is 4300')		
<u>Injection interval</u>			
Approx. 4000	feet to	TD	

Completion type Perforated Casing

Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a

Guiberson – Uni VI packer at Within 100 feet of top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) 3405' – 3450' (Bowers) – sqz'd with 100 sx cmt.
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 14-341	Footage Location 660' FSL & 1650' FEL	Section 14	Township 18-S	Range 37-E	Unit Letter O

Schematic

8-5/8"
@ 303'

5-1/2"
@ 4143'

4"
@ 4350'

		<u>Tubular Data</u>	
<u>Surface Casing</u>			
Size	<u>8-5/8"</u>	Cemented with	<u>250</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size	<u> </u>		
<u>Intermediate Casing</u>			
Size	<u> </u>	Cemented with	<u> </u> sxs.
TOC	<u> </u>	Determined by	<u> </u>
Hole size	<u> </u>		
<u>Long string Casing</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>400</u> sxs.
TOC	<u>2920'</u>	Determined by	<u>CBL</u>
Hole size	<u> </u>		
<u>Liner (Proposed)</u>			
Size	<u>4"</u>	Cemented with	<u>50 (est.)</u> sxs.
TOC	<u>TOL (est.)</u>	Determined by	<u> </u>
Hole size	<u> </u>		

Total depth Proposed deepening to 4350'
(Current TD is 4176')

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of top perf.
 (brand and model)

Other Data

1. Name of the injection formation **San Andres**

2. Name of field or Pool Hobbs; Grayburg – San Andres

3. Is this a new well drilled for injection? Yes No

If no, for what purpose was the well originally drilled? Producer

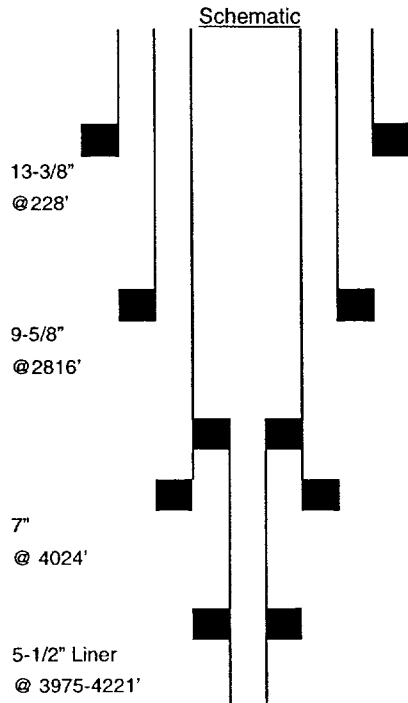
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None

5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.

Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 18-342	Footage Location 330' FSL & 2310' FEL	Section 18	Township 18-S	Range 38-E	Unit Letter O



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	13-3/8"	Cemented with	180 sxs.
TOC	SURF	Determined by	CALC-50% EFFIC
Hole size			
<u>Intermediate Casing</u>			
Size	9-5/8"	Cemented with	500 sxs.
TOC	1411'	Determined by	CALC-50% EFFIC
Hole size			
<u>Long string Casing</u>			
Size	7"	Cemented with	250 sxs.
TOC	2561'	Determined by	CALC-50% EFFIC
Hole size			
<u>Liner</u>			
Size	5-1/2"	Cemented with	275 sxs.
TOC	3974'	Determined by	CIRC
Hole size			
Total depth	4286'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated casing and open hole

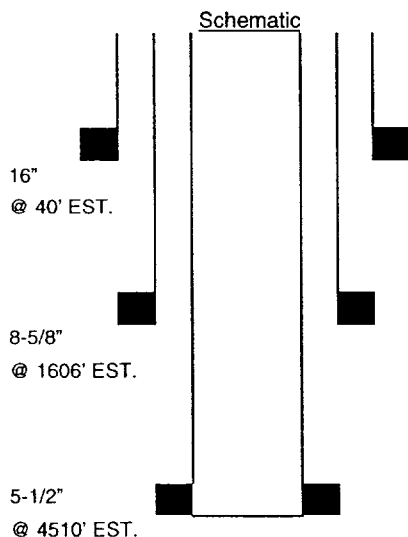
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at within 100 feet of the top perf
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) Sqz. holes @ 3005' – 06' w/1000 sx.
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. New Well	Footage Location TBD	Section 18	Township 18-S	Range 38-E	Unit Letter SE corner J NW corner P



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	16"	Cemented with	40 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	850 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	1000 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4510' EST.		

Injection interval
Approx. 4000 feet to 4500 feet

Completion type Perforated Casing

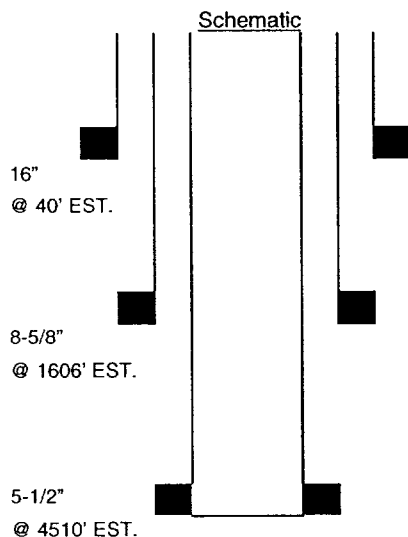
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? ☒ Yes ☐ No
If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. New Well	Footage Location TBD	Section 18	Township 18-S	Range 38-E	Unit Letter SE corner L NW corner N



Tubular Data

Surface Casing

Size	<u>16"</u>	Cemented with	<u>40 EST.</u>	sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>	
Hole size				

Intermediate Casing

Size	<u>8-5/8"</u>	Cemented with	<u>850 EST.</u>	sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>	
Hole size				

Long string Casing

Size	5-1/2"	Cemented with	1000 EST.	sxs.
TOC	SURF	Determined by	CIRC	
Hole size				

Liner

Size _____ Cemented with _____ sxs.
TOC _____ Determined by _____
Hole size _____

Total depth 4510' EST.

Injection interval

Approx. 4000 feet to 4500 feet

Completion type

Perforated Casing

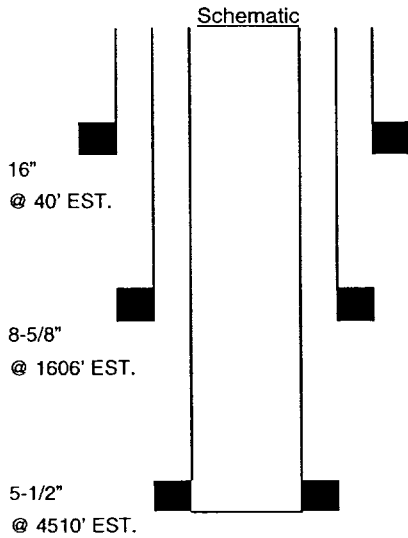
Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

1. Name of the injection formation San Andres
2. Name of field or Pool Hobbs; Grayburg – San Andres
3. Is this a new well drilled for injection? ☒ Yes ☐ No
If no, for what purpose was the well originally drilled? Injection
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit		County Lea	
Well No. New Well	Footage Location TBD	Section 18	Township 18-S	Range 38-E	Unit Letter E side M W side N



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	16"	Cemented with	40 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	850 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	1000 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4510' EST.		

Injection interval
Approx. 4000 feet to 4500 feet

Completion type Perforated Casing

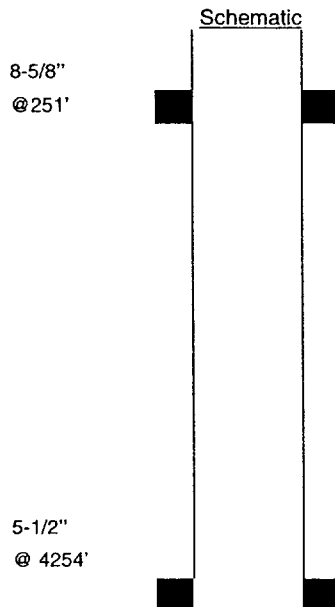
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

1. Name of the injection formation San Andres
2. Name of field or Pool Hobbs; Grayburg – San Andres
3. Is this a new well drilled for injection? ☒ Yes ☐ No
 If no, for what purpose was the well originally drilled? Injection
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 19-112	Footage Location 990' FNL & 990' FWL	Section 19	Township 18-S	Range 38-E	Unit Letter D



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>8-5/8"</u>	Cemented with	<u>200</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size	_____		
<u>Intermediate Casing</u>			
Size	_____	Cemented with	_____ sxs.
TOC	_____	Determined by	_____
Hole size	_____		
<u>Long string Casing</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>1500</u> sxs.
TOC	<u>1108'</u>	Determined by	<u>CBL</u>
Hole size	_____		
<u>Liner</u>			
Size	_____	Cemented with	_____ sxs.
TOC	_____	Determined by	_____
Hole size	_____		
Total depth	<u>4254'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

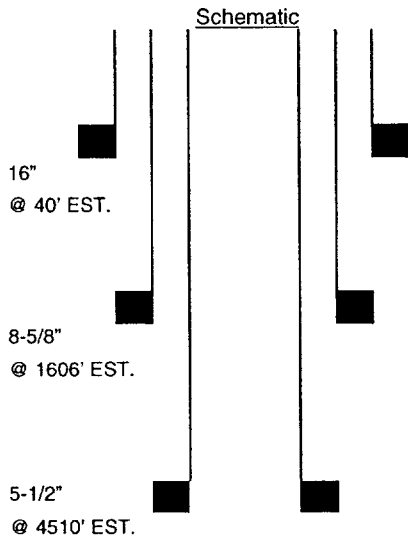
Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. New Well	Footage Location TBD	Section 19	Township 18-S	Range 38-E	Unit Letter D



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	16"	Cemented with	40 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	850 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	1000 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4510' EST.		

Injection interval
Approx. 4000 feet to 4500 feet

Completion type Perforated Casing

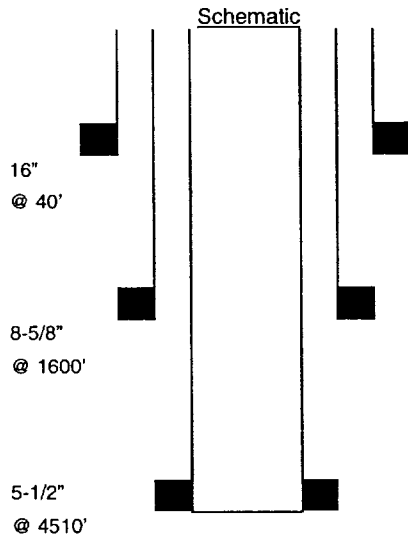
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? ☒ Yes ☐ No
 If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit		County Lea	
Well No. 19-142	Footage Location 1200' FSL & 1300' FWL	Section 19	Township 18-S	Range 38-E	Unit Letter N



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>16"</u>	Cemented with	<u>40</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size _____			
<u>Intermediate Casing</u>			
Size	<u>8-5/8"</u>	Cemented with	<u>875</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size _____			
<u>Long string Casing</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>900</u> sxs.
TOC	<u>2606'</u>	Determined by	<u>CBL</u>
Hole size _____			
<u>Liner</u>			
Size	_____	Cemented with	_____ sxs.
TOC	_____	Determined by	_____
Hole size _____			
<u>Total depth</u>		<u>4510'</u>	

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

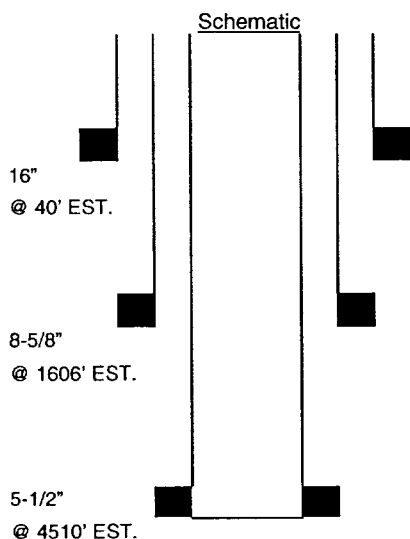
Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of top perf.
 (brand and model)

Other Data

1. Name of the injection formation San Andres
2. Name of field or Pool Hobbs; Grayburg – San Andres
3. Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Injection
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. New Well	Footage Location TBD	Section 19	Township 18-S	Range 38-E	Unit Letter N



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	16"	Cemented with	40 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	850 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	1000 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4510' EST.		

Injection interval
Approx. 4000 feet to 4500 feet

Completion type Perforated Casing

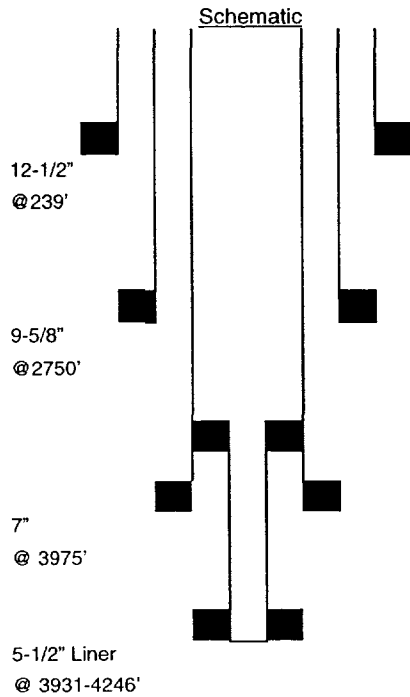
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? ☒ Yes ☐ No
 If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 19-231	Footage Location 2310' FSL & 2310' FWL	Section 19	Township 18-S	Range 38-E	Unit Letter K



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	12-1/2"	Cemented with	200 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	9-5/8"	Cemented with	600 sxs.
TOC	SURF	Determined by	CALC-50% EFFIC
Hole size			
<u>Long string Casing</u>			
Size	7"	Cemented with	255 sxs.
TOC	3100'	Determined by	CBL
Hole size			
<u>Liner</u>			
Size	5-1/2"	Cemented with	100 sxs.
TOC	3931'	Determined by	CALC-50% EFFIC
Hole size			
Total depth	4247'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

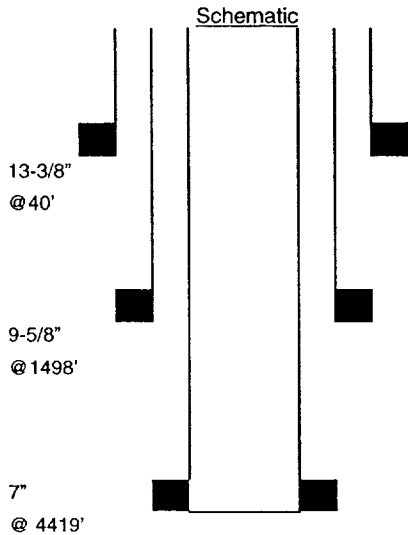
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 19-232	Footage Location 2501' FSL & 1410' FWL	Section 19	Township 18-S	Range 38-E	Unit Letter K



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	13-3/8"	Cemented with	N/A sxs.
TOC	N/A	Determined by	N/A
Hole size			
<u>Intermediate Casing</u>			
Size	9-5/8"	Cemented with	425 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	7"	Cemented with	900 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			

Total depth 4420'

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

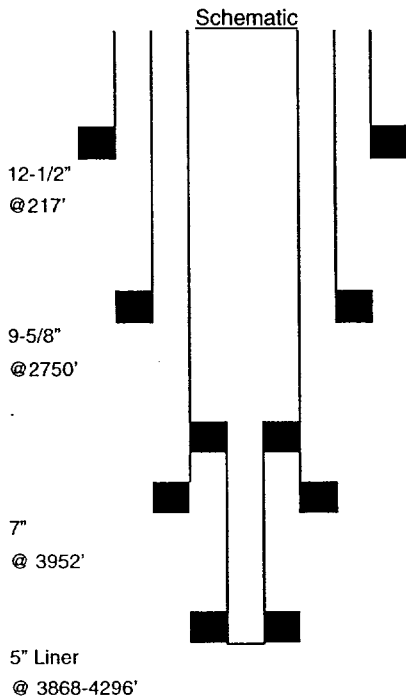
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 19-311	Footage Location 1309' FNL & 2310' FEL	Section 19	Township 18-S	Range 38-E	Unit Letter B



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	12-1/2"	Cemented with	200 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	9-5/8"	Cemented with	600 sxs.
TOC	548'	Determined by	N/A
Hole size			
<u>Long string Casing</u>			
Size	7"	Cemented with	300 sxs.
TOC	3060'	Determined by	CBL
Hole size			
<u>Liner</u>			
Size	5"	Cemented with	435 sxs.
TOC	4080'	Determined by	CBL
Hole size			
Total depth	4296'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

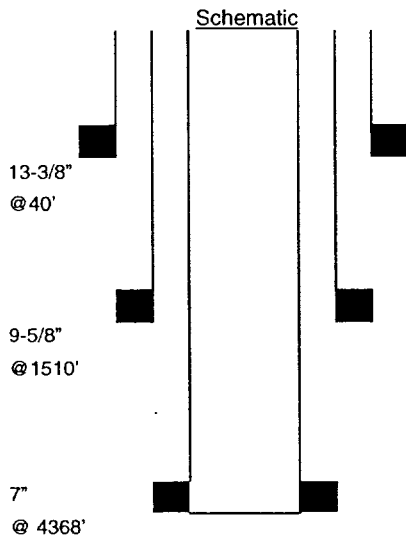
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson -- Uni VI packer at Within 100 feet of top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg -- San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 19-332	Footage Location 1430' FSL & 2535' FEL	Section 19	Township 18-S	Range 38-E	Unit Letter J



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	13-3/8"	Cemented with	REDIMIX
TOC	N/A	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	9-5/8"	Cemented with	625
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	7"	Cemented with	955
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	
TOC		Determined by	
Hole size			
Total depth	4370'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

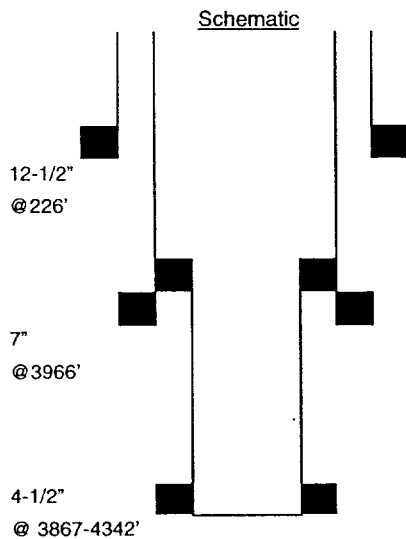
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 19-411	Footage Location 1300' FNL & 1300' FEL	Section 19	Township 18-S	Range 38-E	Unit Letter A



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	12-1/2"	Cemented with	200 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	7"	Cemented with	700 sxs.
TOC	2574'	Determined by	CBL
Hole size			
<u>Long string Casing</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
<u>Liner</u>			
Size	4-1/2"	Cemented with	100 sxs.
TOC	3484'	Determined by	CALC-50% EFFIC
Hole size			
Total depth	4342'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

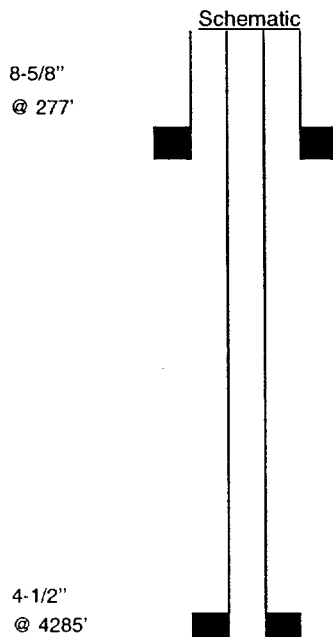
Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) Sqz. holes @ 927'-32', 935'-40', 2021'-31', & 2036'-81' w/1220 sx.
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 19-431	Footage Location 1650' FSL & 990' FEL	Section 19	Township 18-S	Range 38-E	Unit Letter I



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>8- 5/8"</u>	Cemented with	<u>200</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size	_____		
<u>Intermediate Casing</u>			
Size	_____	Cemented with	_____ sxs.
TOC	_____	Determined by	_____
Hole size	_____		
<u>Long string Casing</u>			
Size	<u>4-1/2"</u>	Cemented with	<u>435</u> sxs.
TOC	<u>2537'</u>	Determined by	<u>CBL</u>
Hole size	_____		
<u>Liner</u>			
Size	_____	Cemented with	_____ sxs.
TOC	_____	Determined by	_____
Hole size	_____		
Total depth	<u>4286'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

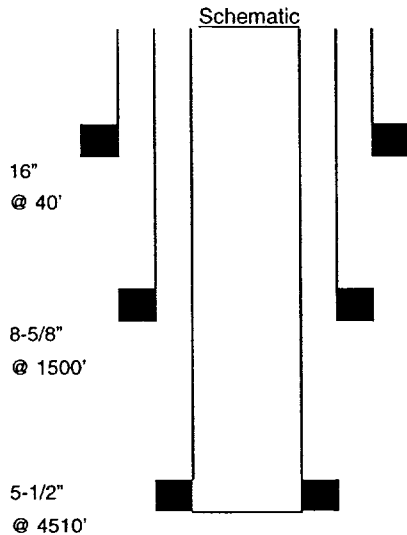
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI Packer at Within 100 feet of top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 20-233	Footage Location 1610' FSL & 1850' FWL	Section 20	Township 18-S	Range 38-E	Unit Letter K



Tubular Data

Surface Casing
 Size 16" Cemented with 40 sxs.
 TOC SURF Determined by CIRC
 Hole size _____

Intermediate Casing
 Size 8-5/8" Cemented with 850 sxs.
 TOC SURF Determined by CIRC
 Hole size _____

Long string Casing
 Size 5-1/2" Cemented with 1050 sxs.
 TOC SURF Determined by CIRC
 Hole size _____

Liner
 Size _____ Cemented with _____ sxs.
 TOC _____ Determined by _____
 Hole size _____

Total depth 4510'

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

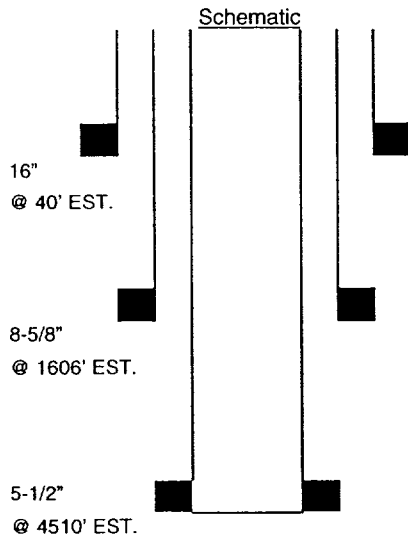
Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. New Well	Footage Location TBD	Section 20	Township 18-S	Range 38-E	Unit Letter I



Tubular Data

Surface Casing
 Size 16" Cemented with 40 EST. sxs.
 TOC SURF Determined by CIRC
 Hole size _____

Intermediate Casing
 Size 8-5/8" Cemented with 850 EST. sxs.
 TOC SURF Determined by CIRC
 Hole size _____

Long string Casing
 Size 5-1/2" Cemented with 1000 EST. sxs.
 TOC SURF Determined by CIRC
 Hole size _____

Liner
 Size _____ Cemented with _____ sxs.
 TOC _____ Determined by _____
 Hole size _____

Total depth 4510' EST.

Injection interval
Approx. 4000 feet to 4500 feet

Completion type Perforated Casing

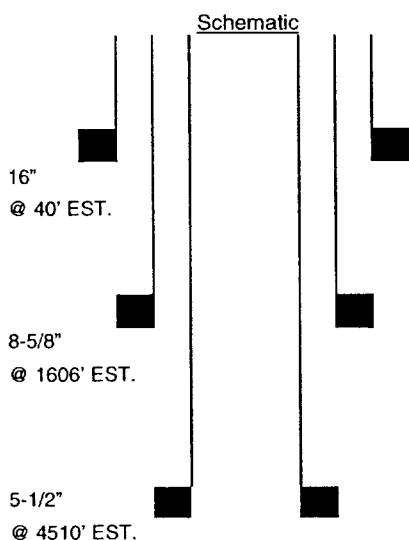
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? ☒ Yes ☐ No
 If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. New Well	Footage Location TBD	Section 20	Township 18-S	Range 38-E	Unit Letter SE corner D NW corner F



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>16"</u>	Cemented with	<u>40 EST.</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size _____			
<u>Intermediate Casing</u>			
Size	<u>8-5/8"</u>	Cemented with	<u>850 EST.</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size _____			
<u>Long string Casing</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>1000 EST.</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size _____			
<u>Liner</u>			
Size	_____	Cemented with	_____ sxs.
TOC	_____	Determined by	_____
Hole size _____			
<u>Total depth</u>		<u>4510' EST.</u>	

Injection interval
Approx. 4000 feet to 4500 feet

Completion type Perforated Casing

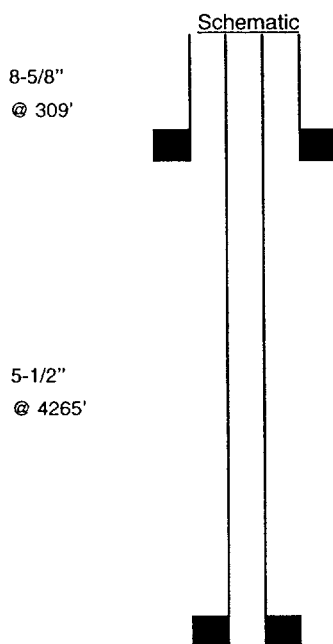
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

1. Name of the injection formation San Andres
2. Name of field or Pool Hobbs; Grayburg – San Andres
3. Is this a new well drilled for injection? ☒ Yes ☐ No
 If no, for what purpose was the well originally drilled? Injection
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 23-321	Footage Location 1650' FNL & 1650' FEL	Section 23	Township 18-S	Range 37-E	Unit Letter G



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>8- 5/8"</u>	Cemented with	<u>300</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size	_____		
<u>Intermediate Casing</u>			
Size	_____	Cemented with	_____ sxs.
TOC	_____	Determined by	_____
Hole size	_____		
<u>Long string Casing</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>1355</u> sxs.
TOC	<u>2804'</u>	Determined by	<u>CBL</u>
Hole size	_____		
<u>Liner</u>			
Size	_____	Cemented with	_____ sxs.
TOC	_____	Determined by	_____
Hole size	_____		
Total depth	<u>4265'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

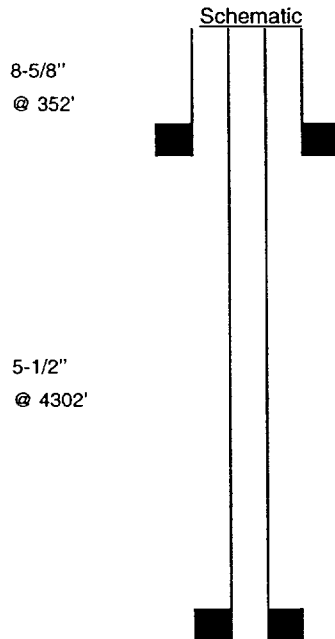
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI Packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 23-341	Footage Location 990' FSL & 1650' FEL	Section 23	Township 18-S	Range 37-E	Unit Letter I



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>8- 5/8"</u>	Cemented with	<u>180</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size	_____		
<u>Intermediate Casing</u>			
Size	_____	Cemented with	_____ sxs.
TOC	_____	Determined by	_____
Hole size	_____		
<u>Long string Casing</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>750</u> sxs.
TOC	<u>2162'</u>	Determined by	<u>CBL</u>
Hole size	_____		
<u>Liner</u>			
Size	_____	Cemented with	_____ sxs.
TOC	_____	Determined by	_____
Hole size	_____		
Total depth	<u>4302'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

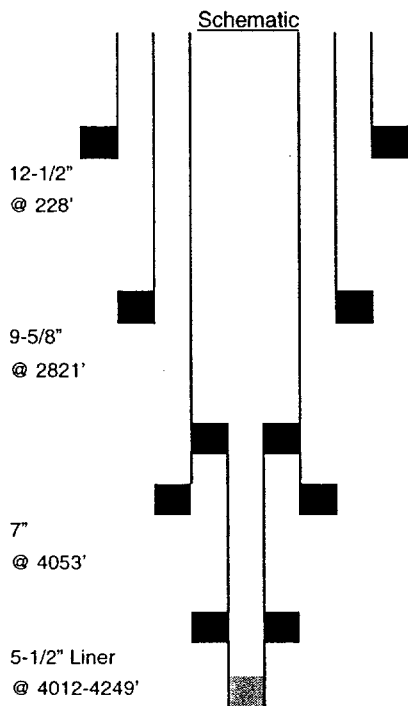
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI Packer at Within 100 feet of top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 24-121	Footage Location 1650' FNL & 990' FWL	Section 24	Township 18-S	Range 37-E	Unit Letter E



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>12-1/2"</u>	Cemented with	<u>250</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CALC-50% EFFIC</u>
Hole size	<u> </u>		

Completion type Perforated Casing and Open Hole

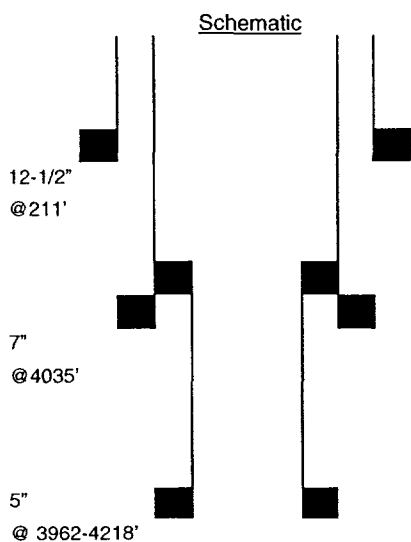
Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No
 If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 24-141	Footage Location 1315' FSL & 1315' FWL	Section 24	Township 18-S	Range 37-E	Unit Letter M



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	12-1/2"	Cemented with	175 sxs.
TOC	SURF	Determined by	NA
Hole size			
<u>Intermediate Casing</u>			
Size	7"	Cemented with	800 sxs.
TOC	2604	Determined by	CBL
Hole size			
<u>Long string Casing</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
<u>Liner</u>			
Size	5"	Cemented with	36 sxs.
TOC	3962'	Determined by	CALC-50% EFFIC
Hole size			
Total depth	4270'		

Injection interval
Approx. 4000 feet to TD

Completion type Open Hole

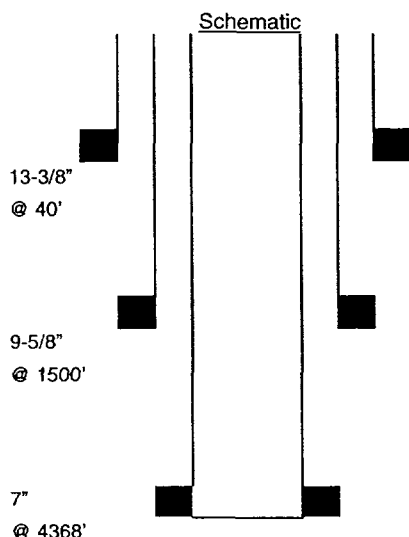
Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of open hole.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) Sqz. holes @ 501' & 839' w/550 sxs; sqz. holes @ 2312' - 2402' w/250 sxs
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 24-212	Footage Location 1263' FNL & 2605' FWL	Section 24	Township 18-S	Range 37-E	Unit Letter C



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	13-3/8"	Cemented with	200 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	9-5/8"	Cemented with	600 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	7"	Cemented with	850 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4370'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

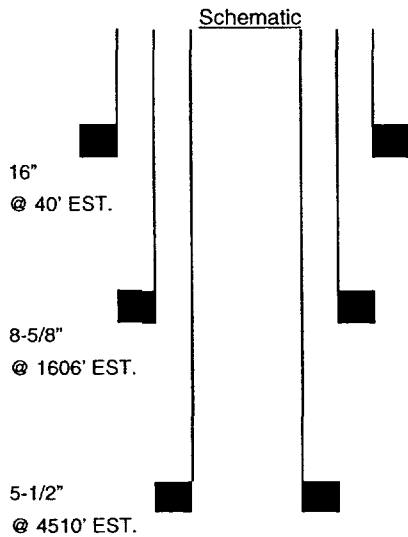
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. New Well	Footage Location TBD	Section 24	Township 18-S	Range 37-E	Unit Letter B



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	16"	Cemented with	40 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	850 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	1000 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
<u>Total depth</u>	4510' EST.		

Injection interval
Approx. 4000 feet to 4500 feet

Completion type Perforated Casing

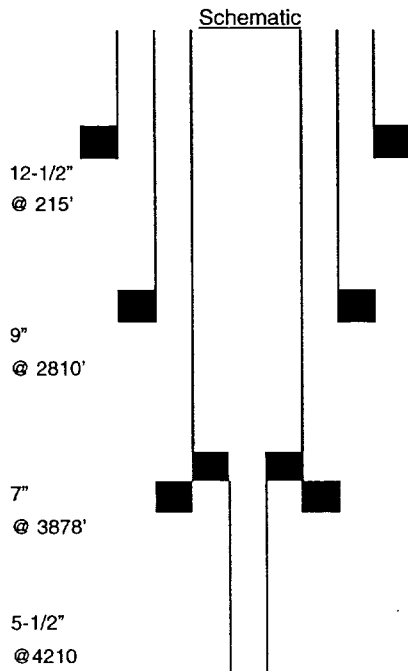
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson ~ Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? ☒ Yes ☐ No
 If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 24-331	Footage Location 1320' FSL & 1325' FEL	Section 24	Township 18-S	Range 37-E	Unit Letter J



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	12-1/2"	Cemented with	200 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	9"	Cemented with	400 sxs.
TOC	1197'	Determined by	CALC-50% EFFIC
Hole size			
<u>Long string Casing</u>			
Size	7"	Cemented with	300 sxs.
TOC	SURF	Determined by	CBL
Hole size			
<u>Liner (Proposed)</u>			
Size	5-1/2	Cemented with	50 (est.) sxs.
TOC	TOL (est.)	Determined by	
Hole size			
Total depth	4210'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

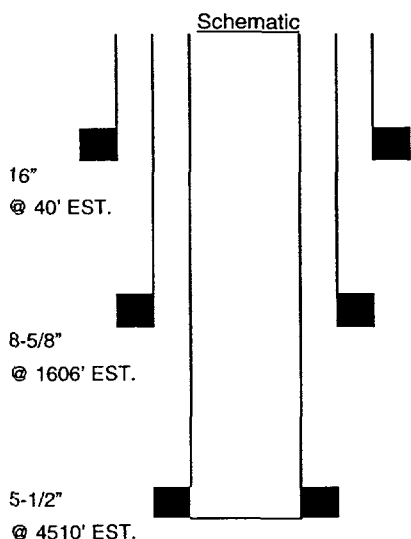
Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) 2280' (Salado), sqz'd w/350 sx cmt.; 2820' (Yates/Seven Rivers), sqz'd w/100 sx cmt.
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. New Well	Footage Location TBD	Section 24	Township 18-S	Range 37-E	Unit Letter J



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	16"	Cemented with	40 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	850 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	1000 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			

Total depth 4510' EST.

Injection interval
Approx. 4000 feet to 4500 feet

Completion type Perforated Casing

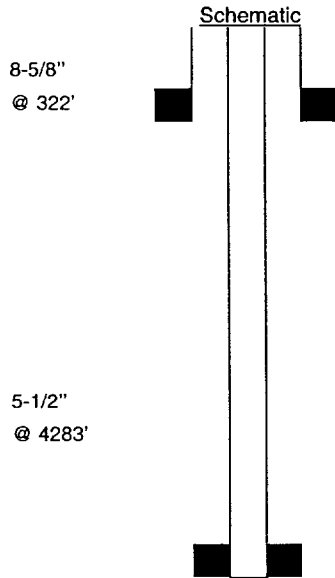
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? ☒ Yes No
 If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 24-411	Footage Location 990' FNL & 990' FEL	Section 24	Township 18-S	Range 37-E	Unit Letter A



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>8-5/8"</u>	Cemented with	<u>210</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Intermediate Casing</u>			
Size		Cemented with	
TOC		Determined by	
Hole size			
<u>Long string Casing</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>265</u> sxs.
TOC	<u>2524'</u>	Determined by	<u>CBL</u>
Hole size			
<u>Liner</u>			
Size		Cemented with	
TOC		Determined by	
Hole size			
<u>Total depth</u>	<u>4283'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

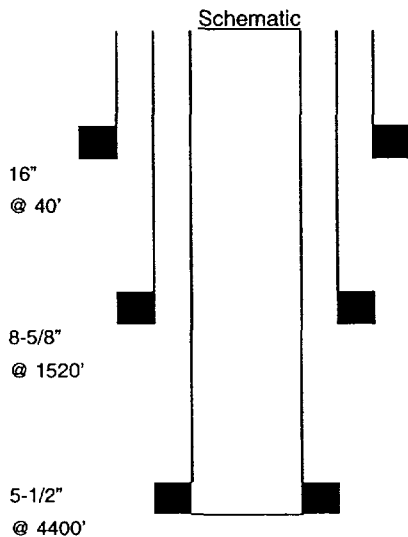
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 24-413	Footage Location 1200' FNL & 206' FEL	Section 24	Township 18-S	Range 37-E	Unit Letter A



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	16"	Cemented with	N/A sxs.
TOC	N/A	Determined by	N/A
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	750 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	775 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	
TOC		Determined by	
Hole size			
Total depth	4400'		

Injection interval
Approx. 4000 feet to TD

Completion type **Perforated Casing**

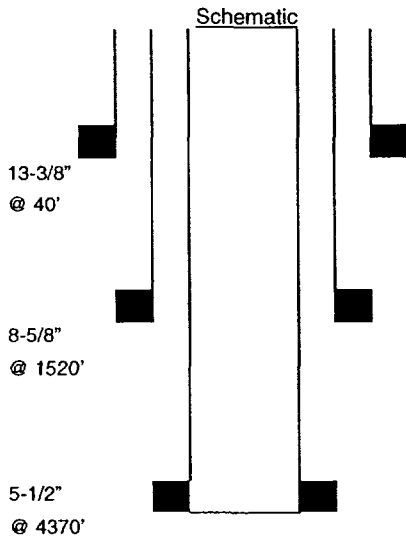
Tubing size **2-7/8"** lined with **Duoline (Fiberglass liner)** set in a
Guiberson – Uni VI packer at **Within 100** feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation **San Andres**
- Name of field or Pool **Hobbs; Grayburg – San Andres**
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? **Producer**
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) **None**
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 24-414	Footage Location 10' FNL & 1280' FEL	Section 24	Township 18-S	Range 37-E	Unit Letter A



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	13-3/8"	Cemented with	N/A sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	711 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	730 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4370'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

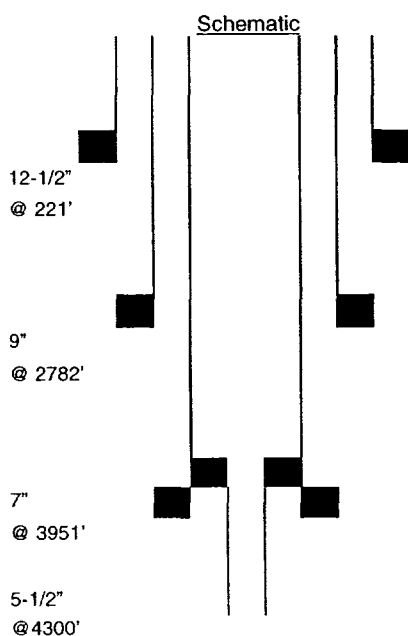
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 24-431	Footage Location 990' FSL & 330' FEL	Section 24	Township 18-S	Range 37-E	Unit Letter I



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	12-1/2"	Cemented with	180 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	9"	Cemented with	510 sxs.
TOC	1340'	Determined by	CALC-50% EFFIC
Hole size			
<u>Long string Casing</u>			
Size	7"	Cemented with	250 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner (Proposed)</u>			
Size	5-1/2"	Cemented with	50 (est.) sxs.
TOC	TOL (est.)	Determined by	
Hole size			

Total depth Proposed deepening to 4300'
 (Current TD is 4218')

Injection interval
 Approx. 4000 feet to TD

Completion type Perforated Casing

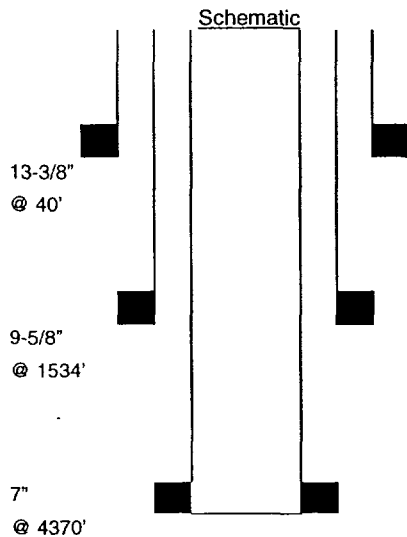
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No
 If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
 Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 24-432	Footage Location 2741' FSL & 1286' FEL	Section 24	Township 18-S	Range 37-E	Unit Letter I



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	13-3/8"	Cemented with	N/A sxs.
TOC	N/A	Determined by	N/A
Hole size			
<u>Intermediate Casing</u>			
Size	9-5/8"	Cemented with	425 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	7"	Cemented with	550 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4370'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

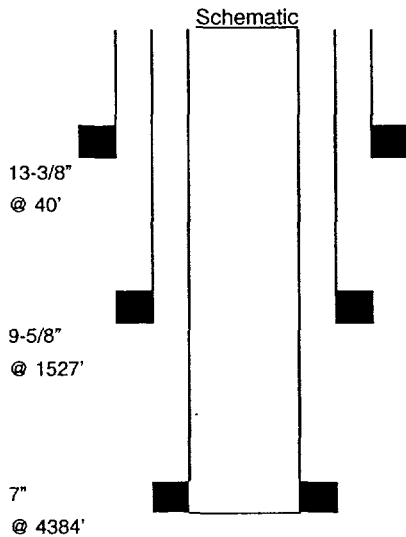
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 24-442	Footage Location 1260' FSL & 200' FEL	Section 24	Township 18-S	Range 37-E	Unit Letter P



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>13-3/8"</u>	Cemented with	<u>N/A</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>N/A</u>
Hole size			
<u>Intermediate Casing</u>			
Size	<u>9-5/8"</u>	Cemented with	<u>375</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Long string Casing</u>			
Size	<u>7"</u>	Cemented with	<u>576</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	<u>4384'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

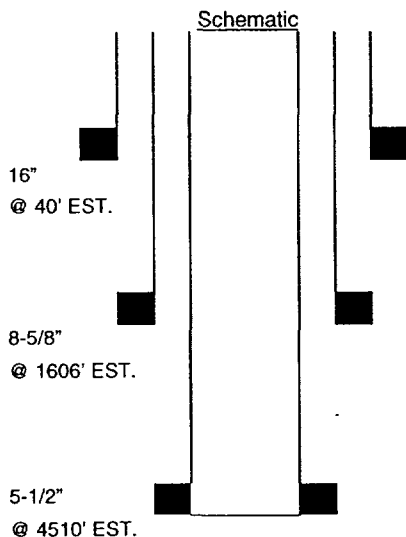
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. New Well	Footage Location TBD	Section 24	Township 18-S	Range 37-E	Unit Letter G



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>16"</u>	Cemented with	<u>40 EST.</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Intermediate Casing</u>			
Size	<u>8-5/8"</u>	Cemented with	<u>850 EST.</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Long string Casing</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>1000 EST.</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			

Total depth 4510' EST.

Injection interval
Approx. 4000 feet to 4500 feet

Completion type Perforated Casing

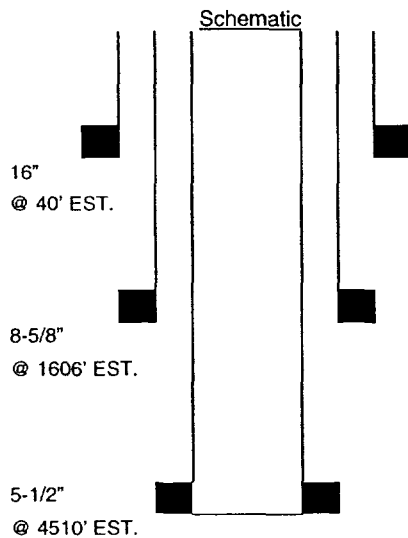
Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? ☒ Yes ☐ No
If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. New Well	Footage Location TBD	Section 24	Township 18-S	Range 37-E	Unit Letter F



Tubular Data

Surface Casing
 Size 16" Cemented with 40 EST. sxs.
 TOC SURF Determined by CIRC
 Hole size _____

Intermediate Casing
 Size 8-5/8" Cemented with 850 EST. sxs.
 TOC SURF Determined by CIRC
 Hole size _____

Long string Casing
 Size 5-1/2" Cemented with 1000 EST. sxs.
 TOC SURF Determined by CIRC
 Hole size _____

Liner
 Size _____ Cemented with _____ sxs.
 TOC _____ Determined by _____
 Hole size _____

Total depth 4510' EST.

Injection interval
Approx. 4000 feet to 4500 feet

Completion type Perforated Casing

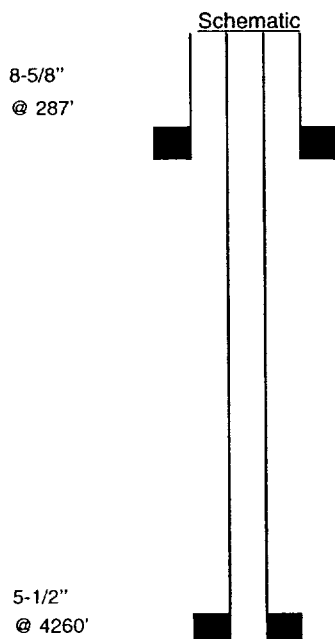
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Graybrug – San Andres
- Is this a new well drilled for injection? ☒ Yes ☐ No
 If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 25-121	Footage Location 1650' FNL & 990' FWL	Section 25	Township 18-S	Range 37-E	Unit Letter E



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>8- 5/8"</u>	Cemented with	<u>250</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size	_____		
<u>Intermediate Casing</u>			
Size	_____	Cemented with	_____ sxs.
TOC	_____	Determined by	_____
Hole size	_____		
<u>Long string Casing</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>250</u> sxs.
TOC	<u>2950'</u>	Determined by	<u>CBL</u>
Hole size	_____		
<u>Liner</u>			
Size	_____	Cemented with	_____ sxs.
TOC	_____	Determined by	_____
Hole size	_____		
<u>Total depth</u>	<u>4261'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

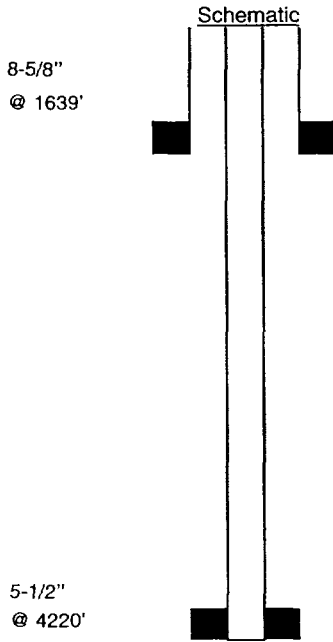
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI Packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 25-341	Footage Location 660' FSL & 1650' FEL	Section 25	Township 18-S	Range 37-E	Unit Letter O



Tubular Data

Surface Casing

Size 8- 5/8" Cemented with 900 sxs.

TOC SURF Determined by CIRC

Hole size _____

Intermediate Casing

Size _____ Cemented with _____ sxs.

TOC _____ Determined by _____

Hole size _____

Long string Casing

Size 5-1/2" Cemented with 1100 sxs.

TOC 440' Determined by CBL

Hole size _____

Liner

Size _____ Cemented with _____ sxs.

TOC _____ Determined by _____

Hole size _____

Total depth 4220'

Injection interval

Approx. 4000 feet to TD

Completion type

Perforated Casing

Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a

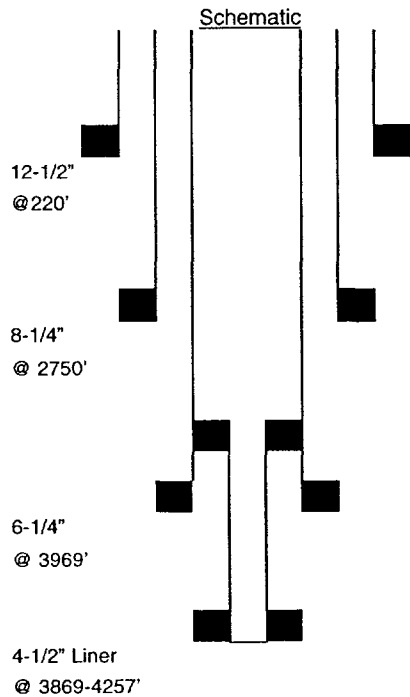
Guiberson – Uni VI
(brand and model)

Other Data

1. Name of the injection formation San Andres
2. Name of field or Pool Hobbs; Grayburg – San Andres
3. Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 25-411	Footage Location 330' FNL & 330' FEL	Section 25	Township 18-S	Range 37-E	Unit Letter A



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	12-1/2"	Cemented with	200 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	8-1/4"	Cemented with	600 sxs.
TOC	SURF	Determined by	CALC-50% EFFIC
Hole size			
<u>Long string Casing</u>			
Size	6-1/4"	Cemented with	200 sxs.
TOC	2926'	Determined by	CBL
Hole size			
<u>Liner</u>			
Size	4-1/2"	Cemented with	50 sxs.
TOC	3869'	Determined by	CALC-50% EFFIC
Hole size			
Total depth	4259'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

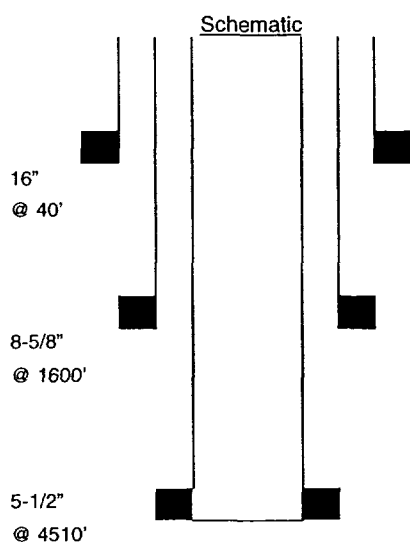
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 25-422	Footage Location 1550' FNL & 1300' FEL	Section 25	Township 18-S	Range 37-E	Unit Letter H



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	16"	Cemented with	40 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	850 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	1000 sxs.
TOC	SURF	Determined by	CBL
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
<u>Total depth</u>		4510'	

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

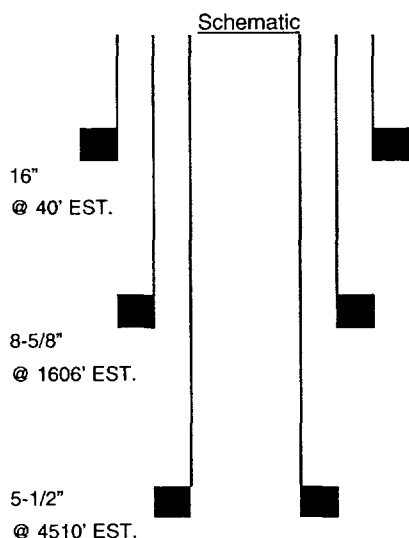
Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. New Well	Footage Location TBD	Section 25	Township 18-S	Range 37-E	Unit Letter W side of A E side of B



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	16"	Cemented with	40 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	850 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	1000 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4510' EST.		

Injection interval
Approx. 4000 feet to 4500 feet

Completion type Perforated Casing

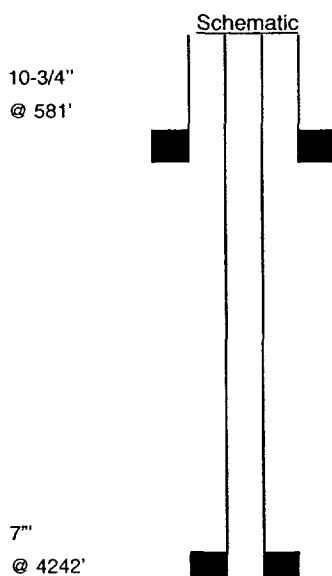
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? ☒ Yes ☐ No
If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 28-221	Footage Location 1910' FNL & 1650' FWL	Section 28	Township 18-S	Range 38-E	Unit Letter F



		<u>Tubular Data</u>	
<u>Surface Casing</u>			
Size	<u>10-3/4"</u>	Cemented with	<u>600</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC.</u>
Hole size	_____		
<u>Intermediate Casing</u>			
Size	_____	Cemented with	_____ sxs.
TOC	_____	Determined by	_____
Hole size	_____		
<u>Long string Casing</u>			
Size	<u>7"</u>	Cemented with	<u>682</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CBL</u>
Hole size	_____		
<u>Liner</u>			
Size	_____	Cemented with	_____ sxs.
TOC	_____	Determined by	_____
Hole size	_____		
Total depth	<u>4318'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated casing & open hole

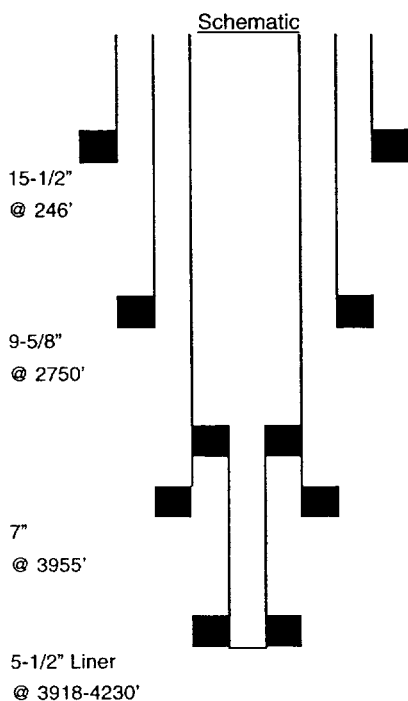
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI Packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 28-231	Footage Location 1325' FSL & 1325' FWL	Section 28	Township 18-S	Range 38-E	Unit Letter K



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>15-1/2"</u>	Cemented with	<u>150</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CALC-50% EFFIC</u>
Hole size			
<u>Intermediate Casing</u>			
Size	<u>9-5/8"</u>	Cemented with	<u>150</u> sxs.
TOC	<u>2329'</u>	Determined by	<u>CALC-50% EFFIC</u>
Hole size			
<u>Long string Casing</u>			
Size	<u>7"</u>	Cemented with	<u>250</u> sxs.
TOC	<u>3027'</u>	Determined by	<u>CBL</u>
Hole size			
<u>Liner</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>100</u> sxs.
TOC	<u>3918'</u>	Determined by	<u>CALC-50% EFFIC</u>
Hole size			
Total depth	<u>4231'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

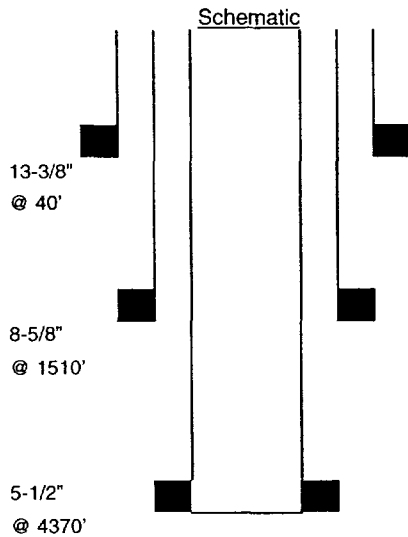
Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 29-122	Footage Location 1600' FNL & 180' FWL	Section 29	Township 18-S	Range 38-E	Unit Letter E



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	13-3/8"	Cemented with	N/A sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	500 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	350 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4370'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

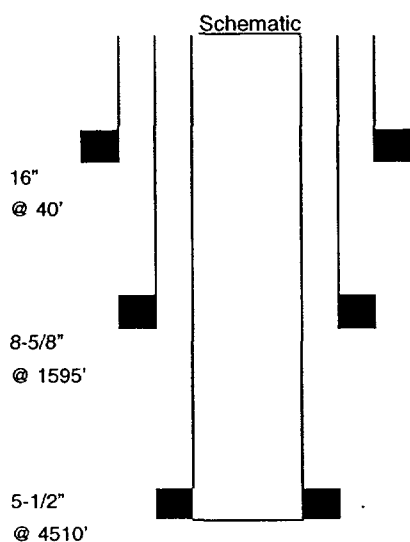
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 29-132	Footage Location 1623' FSL & 1218' FWL	Section 29	Township 18-S	Range 38-E	Unit Letter L



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>16"</u>	Cemented with	<u>40</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Intermediate Casing</u>			
Size	<u>8-5/8"</u>	Cemented with	<u>785</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Long string Casing</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>900</u> sxs.
TOC	<u>90'</u>	Determined by	<u>CBL</u>
Hole size			
<u>Liner</u>			
Size		Cemented with	
TOC		Determined by	
Hole size			

Total depth 4510'

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

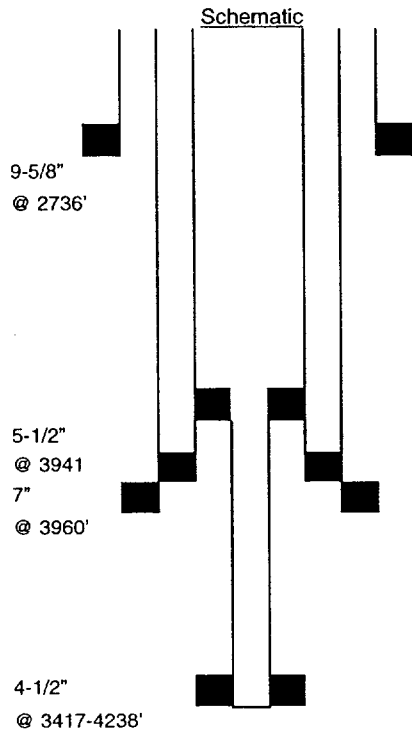
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 29-141	Footage Location 330' FSL & 330' FWL	Section 29	Township 18-S	Range 38-E	Unit Letter M



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	9-5/8"	Cemented with	650 sxs.
TOC	694'	Determined by	CALC-50% EFFIC
Hole size			
<u>Intermediate Casing</u>			
Size	7"	Cemented with	300 sxs.
TOC	2204'	Determined by	CALC-50% EFFIC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	250 sxs.
TOC	3460'	Determined by	CBL
Hole size			
<u>Liner</u>			
Size	4-1/2"	Cemented with	50 sxs.
TOC	3774'	Determined by	CBL
Hole size			
Total depth	4258'		
<u>Injection interval</u>			
Approx. 4000	feet to	TD	

Completion type Perforated Casing

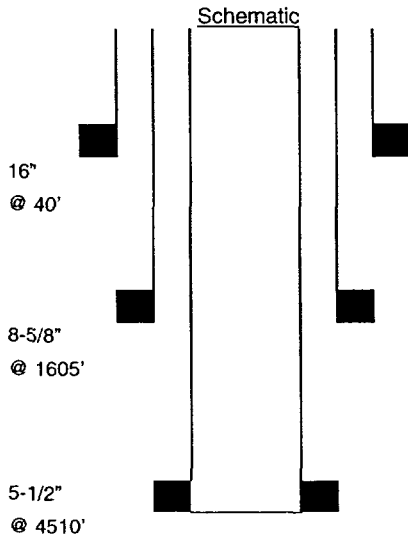
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 29-222	Footage Location 1370' FNL & 850' FWL	Section 29	Township 18-S	Range 38-E	Unit Letter F



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	16"	Cemented with	40 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	950 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	1050 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4510'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

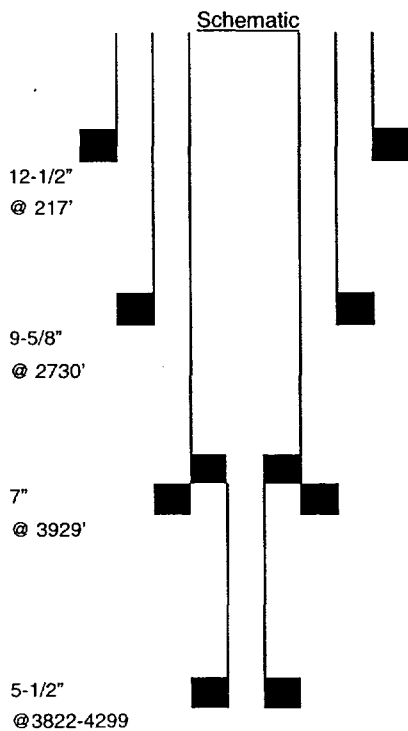
Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) Sqz. hole @ 1626' w/425 sxs. (circulated)
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 29-241	Footage Location 330' FSL & 2310' FWL	Section 29	Township 18-S	Range 38-E	Unit Letter N



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>12-1/2"</u>	Cemented with	<u>160</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Intermediate Casing</u>			
Size	<u>9-5/8"</u>	Cemented with	<u>500</u> sxs.
TOC	<u>1159'</u>	Determined by	<u>CALC-50% EFFIC</u>
Hole size			
<u>Long string Casing</u>			
Size	<u>7"</u>	Cemented with	<u>300</u> sxs.
TOC	<u>1850'</u>	Determined by	<u>CBL</u>
Hole size			
<u>Liner</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>60</u> sxs.
TOC	<u>3822'</u>	Determined by	<u>CALC-50% EFFIC</u>
Hole size			
Total depth	<u>4299'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

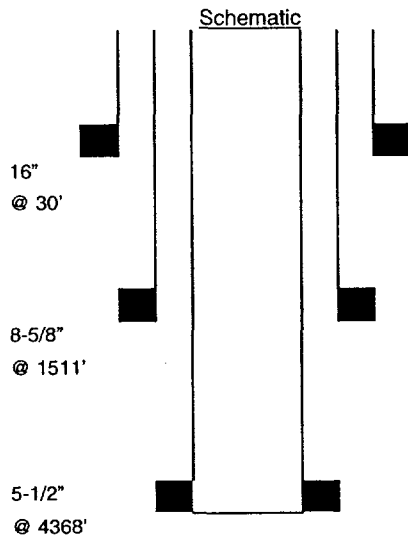
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 29-242	Footage Location 100' FSL & 1400' FWL	Section 29	Township 18-S	Range 38-E	Unit Letter N



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>16"</u>	Cemented with	<u>N/A</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Intermediate Casing</u>			
Size	<u>8-5/8"</u>	Cemented with	<u>750</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Long string Casing</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>750</u> sxs.
TOC	<u>2330'</u>	Determined by	<u>CBL</u>
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	<u>4370'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

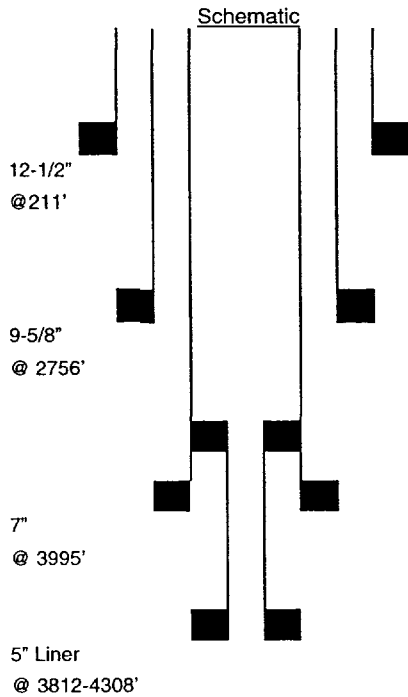
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 29-321	Footage Location 2310' FNL & 1650' FEL	Section 29	Township 18-S	Range 38-E	Unit Letter G



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>12-1/2"</u>	Cemented with	<u>250</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Intermediate Casing</u>			
Size	<u>9-5/8"</u>	Cemented with	<u>250</u> sxs.
TOC	<u>1868'</u>	Determined by	<u>CALC-50% EFFIC</u>
Hole size			
<u>Long string Casing</u>			
Size	<u>7"</u>	Cemented with	<u>300</u> sxs.
TOC	<u>2930'</u>	Determined by	<u>CBL</u>
Hole size			
<u>Liner</u>			
Size	<u>5"</u>	Cemented with	<u>100</u> sxs.
TOC	<u>3894'</u>	Determined by	<u>CBL</u>
Hole size			
Total depth	<u>4309'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

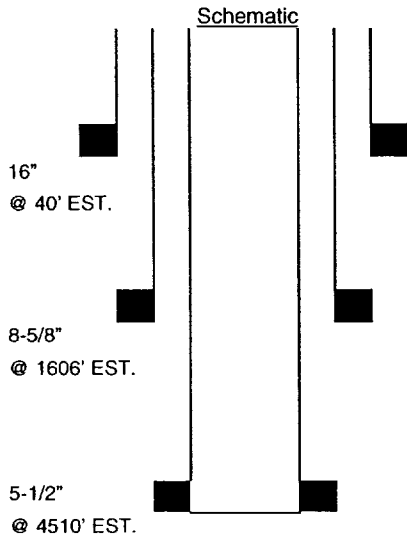
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. New Well	Footage Location TBD	Section 29	Township 18-S	Range 38-E	Unit Letter G



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	16"	Cemented with	40 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size _____			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	850 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size _____			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	1000 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size _____			
<u>Liner</u>			
Size	_____	Cemented with	_____ sxs.
TOC	_____	Determined by	_____
Hole size _____			
<u>Total depth</u>		4510' EST.	

Injection interval
Approx. 4000 feet to 4500 feet

Completion type Perforated Casing

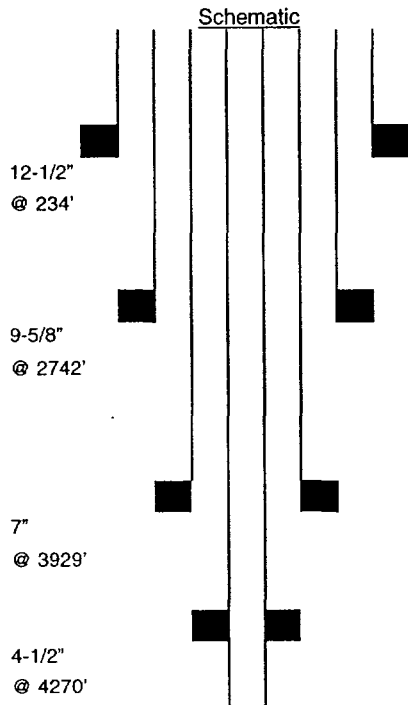
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? ☒ Yes ☐ No
If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 29-331	Footage Location 1650' FSL & 1650' FEL	Section 29	Township 18-S	Range 38-E	Unit Letter J



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	12-1/2"	Cemented with	170 sxs.
TOC	SURF	Determined by	CALC-50% EFFIC
Hole size			
<u>Intermediate Casing</u>			
Size	9-5/8"	Cemented with	500 sxs.
TOC	966'	Determined by	CALC-50% EFFIC
Hole size			
<u>Long string Casing</u>			
Size	7"	Cemented with	300 sxs.
TOC	2173'	Determined by	CALC-50% EFFIC
Hole size			
Size	4-1/2"	Cemented with	750 sxs.
TOC	3788'	Determined by	CBL
Hole size			
Total depth	4340'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing and Open Hole

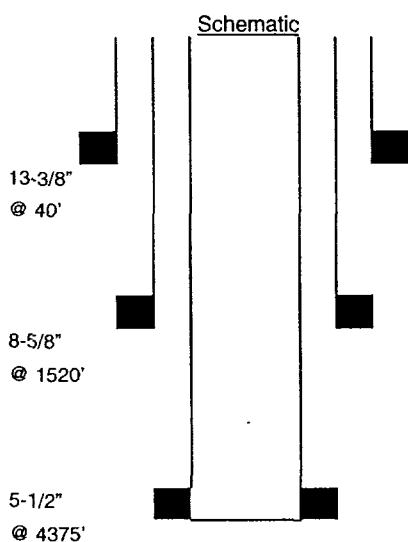
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 29-342	Footage Location 1230' FSL & 2500' FEL	Section 29	Township 18-S	Range 38-E	Unit Letter O



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	13-3/8"	Cemented with	N/A sxs.
TOC	N/A	Determined by	N/A
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	620 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	875 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			

Total depth 4375'

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

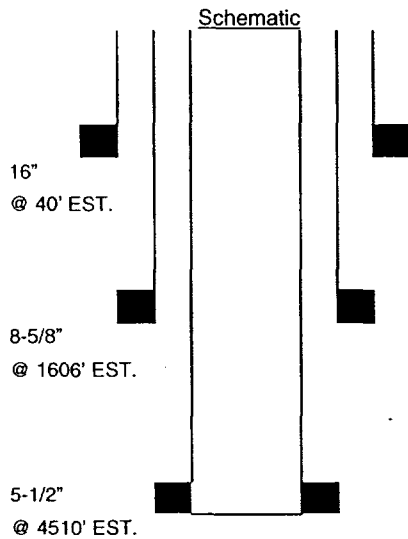
Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a
Guiberson -- Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg -- San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. New Well	Footage Location TBD	Section 29	Township 18-S	Range 38-E	Unit Letter O



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	16"	Cemented with	40 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	850 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	1000 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4510' EST.		

Injection interval
Approx. 4000 feet to 4500 feet

Completion type Perforated Casing

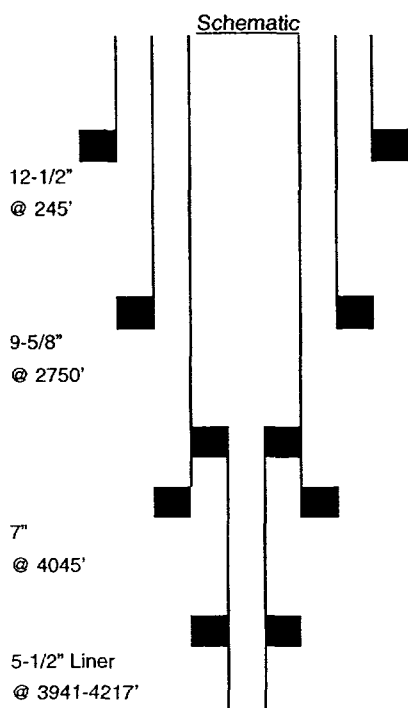
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? ☒ Yes ☐ No
If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 29-411	Footage Location 990' FNL & 990' FEL	Section 29	Township 18-S	Range 38-E	Unit Letter A



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	12-1/2"	Cemented with	250 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	9-5/8"	Cemented with	650 sxs.
TOC	441'	Determined by	CALC-50% EFFIC
Hole size			
<u>Long string Casing</u>			
Size	7"	Cemented with	300 sxs.
TOC	2289'	Determined by	CALC-50% EFFIC
Hole size			
<u>Liner</u>			
Size	5-1/2"	Cemented with	30 sxs.
TOC	3941'	Determined by	CALC-50% EFFIC
Hole size			
Total depth	4335'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated casing and open hole

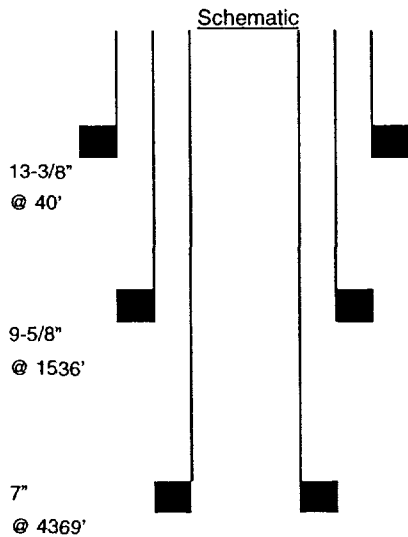
Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 29-442	Footage Location 1230' FSL & 220' FEL	Section 29	Township 18-S	Range 37-E	Unit Letter P



Tubular Data

Surface Casing

Size	<u>13-3/8"</u>	Cemented with	<u>REDIMIX</u>	sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>	

Hole size _____

Intermediate Casing

Size	<u>9-5/8"</u>	Cemented with	<u>575</u>	sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>	

Hole size _____

Long string Casing

Size	<u>7"</u>	Cemented with	<u>1100</u>	sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>	

Hole size . _____

Liner

Size _____ Cemented with _____ sxs.
TOC _____ Determined by _____

Hole size _____

Total depth 4370'

Injection interval

Approx. 4000 feet to TD

Completion type

Perforated Casing

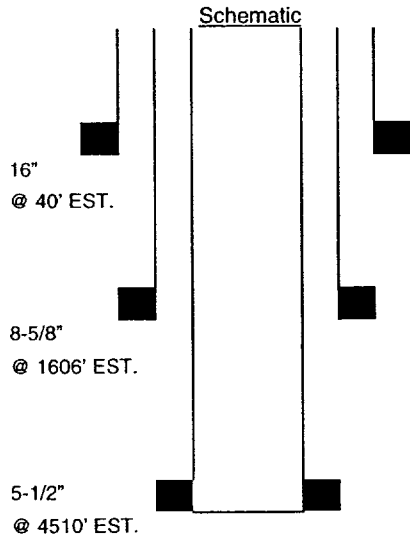
Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

1. Name of the injection formation San Andres
2. Name of field or Pool Hobbs; Grayburg – San Andres
3. Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. New Well	Footage Location TBD	Section 29	Township 18-S	Range 38-E	Unit Letter P



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>16"</u>	Cemented with	<u>40 EST.</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size	<u> </u>		
<u>Intermediate Casing</u>			
Size	<u>8-5/8"</u>	Cemented with	<u>850 EST.</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size	<u> </u>		
<u>Long string Casing</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>1000 EST.</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size	<u> </u>		
<u>Liner</u>			
Size	<u> </u>	Cemented with	<u> </u> sxs.
TOC	<u> </u>	Determined by	<u> </u>
Hole size	<u> </u>		
Total depth	<u>4510' EST.</u>		

Injection interval
Approx. 4000 feet to 4500 feet

Completion type Perforated Casing

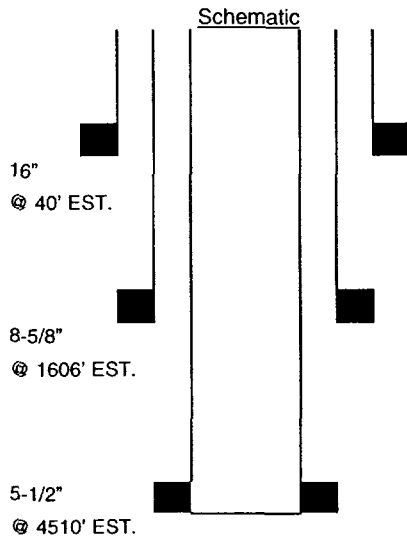
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? ☒ Yes ☐ No
 If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. New Well	Footage Location TBD	Section 29	Township 18-S	Range 38-E	Unit Letter E



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	16"	Cemented with	40 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	850 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	1000 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4510' EST.		

Injection interval
Approx. 4000 feet to 4500 feet

Completion type Perforated Casing

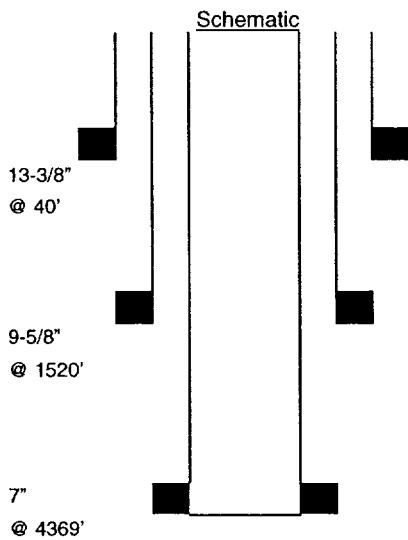
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? ☒ Yes ☐ No
If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 30-112	Footage Location 200' FNL & 1310' FWL	Section 30	Township 18-S	Range 38-E	Unit Letter D



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>13-3/8"</u>	Cemented with	<u>N/A</u> sxs.
TOC	<u>N/A</u>	Determined by	<u>N/A</u>
Hole size			
<u>Intermediate Casing</u>			
Size	<u>9-5/8"</u>	Cemented with	<u>250</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Long string Casing</u>			
Size	<u>7"</u>	Cemented with	<u>675</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	<u>4370'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

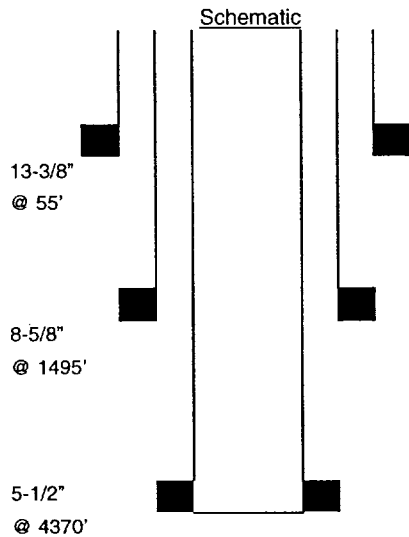
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 30-113	Footage Location 1310' FNL & 195' FWL	Section 30	Township 18-S	Range 38-E	Unit Letter D



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	13-3/8"	Cemented with	REDIMIX sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	620 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	990 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4370'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

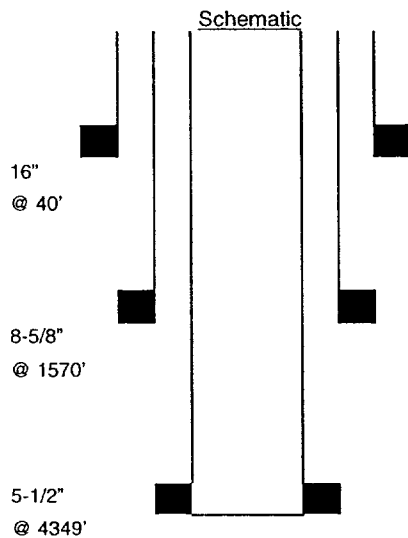
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit		County Lea	
Well No. 30-222	Footage Location 1470' FNL & 1395' FWL	Section 30	Township 18-S	Range 38-E	Unit Letter F



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>16"</u>	Cemented with	<u>40</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Intermediate Casing</u>			
Size	<u>8-5/8"</u>	Cemented with	<u>950</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Long string Casing</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>800</u> sxs.
TOC	<u>2608'</u>	Determined by	<u>CBL</u>
Hole size			
<u>Liner</u>			
Size		Cemented with	
TOC		Determined by	
Hole size			
Total depth	<u>4350'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

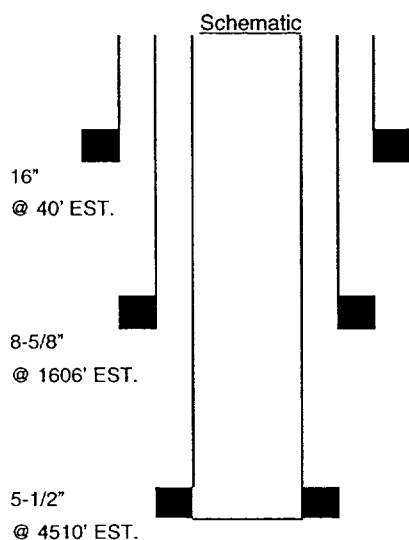
Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. New Well	Footage Location TBD	Section 30	Township 18-S	Range 38-E	Unit Letter F



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	16"	Cemented with	40 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	850 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	1000 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4510' EST.		

Injection interval
Approx. 4000 feet to 4500 feet

Completion type Perforated Casing

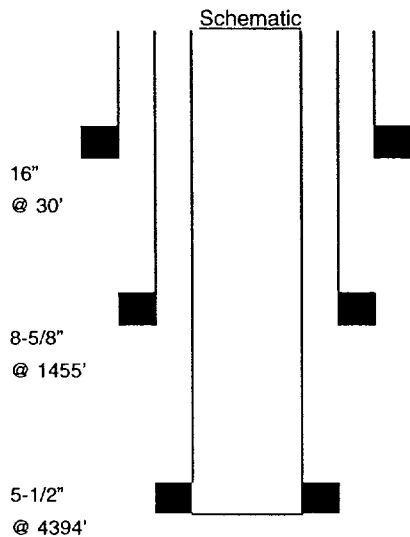
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? ☒ Yes ☐ No
If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 30-223	Footage Location 1770' FNL & 2405' FWL	Section 30	Township 18-S	Range 38-E	Unit Letter F



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>16"</u>	Cemented with	<u>N/A</u> sxs.
TOC	<u>N/A</u>	Determined by	<u>N/A</u>
Hole size			
<u>Intermediate Casing</u>			
Size	<u>8-5/8"</u>	Cemented with	<u>650</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Long string Casing</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>250</u> sxs.
TOC	<u>2496'</u>	Determined by	<u>CBL</u>
Hole size			
<u>Liner</u>			
Size		Cemented with	
TOC		Determined by	
Hole size			
Total depth	<u>4397'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

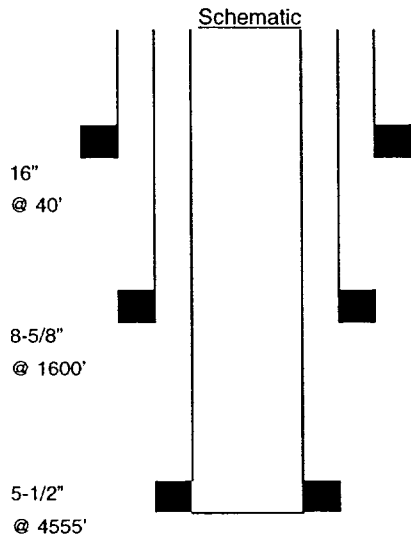
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 30-232	Footage Location 1400' FSL & 1370' FWL	Section 30	Township 18-S	Range 38-E	Unit Letter K



Tubular Data

Surface Casing
 Size 16" Cemented with 40 sxs.
 TOC SURF Determined by CIRC
 Hole size _____

Intermediate Casing
 Size 8-5/8" Cemented with 875 sxs.
 TOC SURF Determined by CIRC
 Hole size _____

Long string Casing
 Size 5-1/2" Cemented with 1100 sxs.
 TOC 2614' Determined by CBL
 Hole size _____

Liner
 Size _____ Cemented with _____ sxs.
 TOC _____ Determined by _____
 Hole size _____

Total depth 4555'

Injection interval
Approx. 4000 feet to 4500 feet

Completion type Perforated Casing

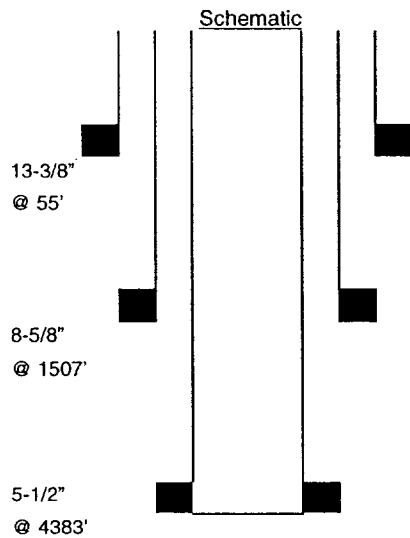
Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 30-233	Footage Location 2455' FSL & 1480' FWL	Section 30	Township 18-S	Range 38-E	Unit Letter K



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	13-3/8"	Cemented with	N/A sxs.
TOC	N/A	Determined by	N/A
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	620 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	1070 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4383'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

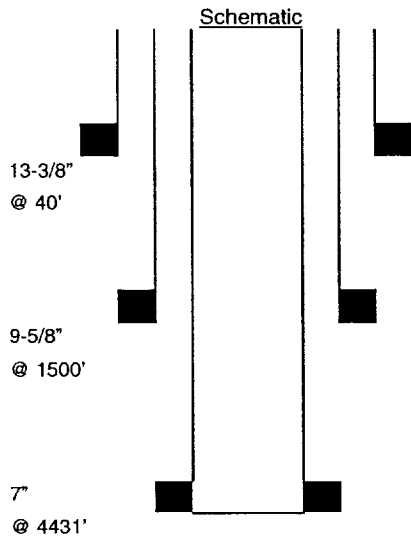
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 30-312	Footage Location 520' FNL & 1448' FEL	Section 30	Township 18-S	Range 38-E	Unit Letter B



Tubular Data

Surface Casing
 Size 13-3/8" Cemented with 40 sxs.
 TOC SURF Determined by CALC-50% EFFIC
 Hole size _____

Intermediate Casing
 Size 9-5/8" Cemented with 650 sxs.
 TOC SURF Determined by CIRC
 Hole size _____

Long string Casing
 Size 7" Cemented with 700 sxs.
 TOC SURF Determined by CIRC
 Hole size _____

Liner
 Size _____ Cemented with _____ sxs.
 TOC _____ Determined by _____
 Hole size _____

Total depth 4431'

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

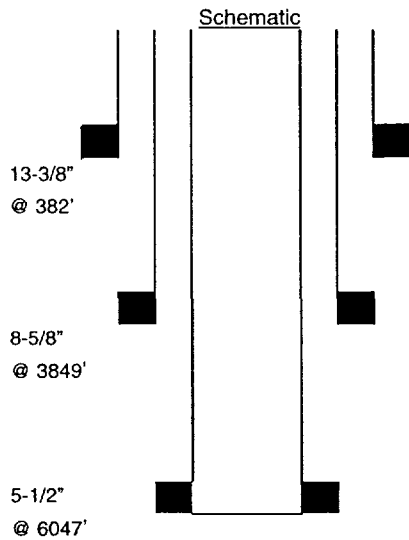
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 30-313	Footage Location 405' FNL & 2272' FEL	Section 30	Township 18-S	Range 38-E	Unit Letter B



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>13-3/8"</u>	Cemented with	<u>400</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size _____			
<u>Intermediate Casing</u>			
Size	<u>8-5/8"</u>	Cemented with	<u>1256</u> sxs.
TOC	<u>600'</u>	Determined by	<u>TS</u>
Hole size _____			
<u>Long string Casing</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>570</u> sxs.
TOC	<u>1500'</u>	Determined by	<u>TS</u>
Hole size _____			
<u>Liner</u>			
Size	_____	Cemented with	_____ sxs.
TOC	_____	Determined by	_____
Hole size _____			
<u>Total depth</u>		<u>6047'</u>	

Injection interval
4000 feet to 4375 feet

Completion type Perforated Casing

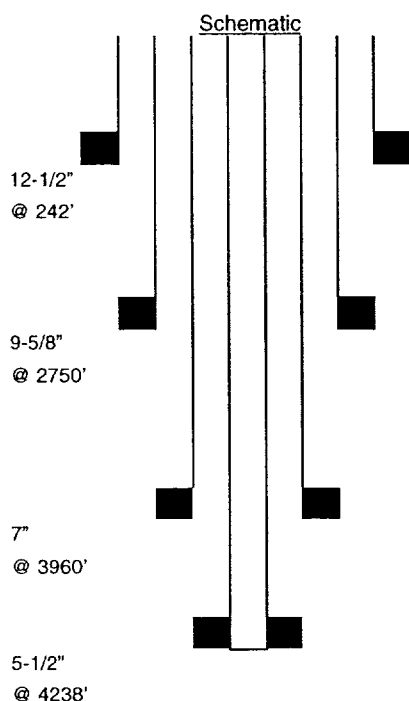
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) 5805' - 5908' (Blinbry); CIBP's S/A 5835' and 4410' + 35' cmt.
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 30-331	Footage Location 2335' FSL & 2310' FEL	Section 30	Township 18-S	Range 38-E	Unit Letter J



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>12-1/2"</u>	Cemented with	<u>225</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Intermediate Casing</u>			
Size	<u>9-5/8"</u>	Cemented with	<u>650</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Long string Casing</u>			
Size	<u>7"</u>	Cemented with	<u>300</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Liner</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>30</u> sxs.
TOC	<u>3650'</u>	Determined by	<u>CBL</u>
Hole size			
Total depth	<u>4238'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

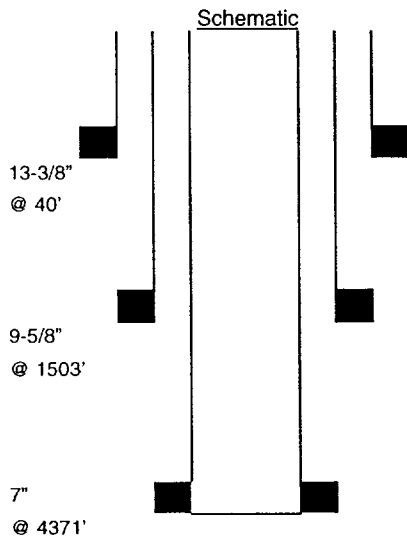
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) Sqz. hole @ 1500' w/275 sx
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 30-332	Footage Location 2470' FSL & 1600' FEL	Section 30	Township 18-S	Range 38-E	Unit Letter J



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>13-3/8"</u>	Cemented with	<u>N/A</u> sxs.
TOC	<u>N/A</u>	Determined by	<u>N/A</u>
Hole size _____			
<u>Intermediate Casing</u>			
Size	<u>9-5/8"</u>	Cemented with	<u>650</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size _____			
<u>Long string Casing</u>			
Size	<u>7"</u>	Cemented with	<u>800</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size _____			
<u>Liner</u>			
Size	_____	Cemented with	_____ sxs.
TOC	_____	Determined by	_____
Hole size _____			
Total depth	<u>4370'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

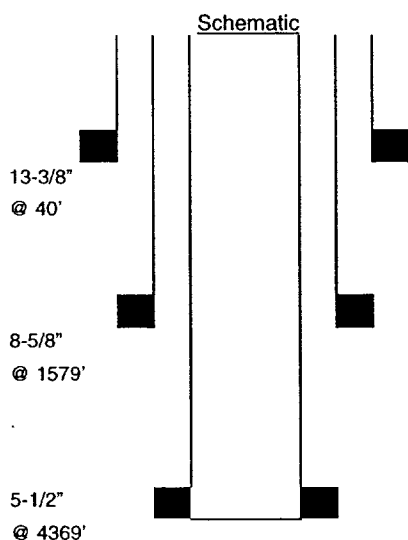
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 30-333	Footage Location 1400' FSL & 2430' FEL	Section 30	Township 18-S	Range 38-E	Unit Letter O



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>13-3/8"</u>	Cemented with	<u>REDIMIX</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Intermediate Casing</u>			
Size	<u>8-5/8"</u>	Cemented with	<u>710</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Long string Casing</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>720</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Liner</u>			
Size		Cemented with	
TOC		Determined by	
Hole size			
Total depth	<u>4369'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

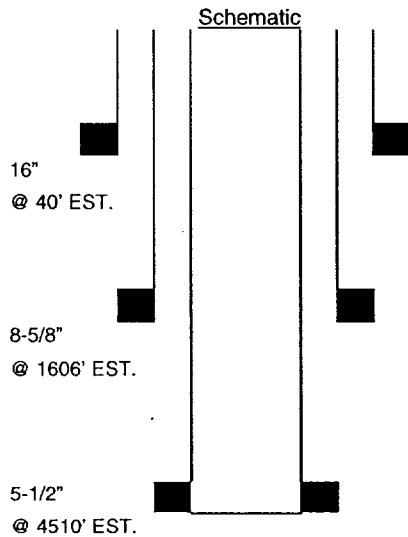
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. New Well	Footage Location TBD	Section 30	Township 18-S	Range 38-E	Unit Letter O



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	16"	Cemented with	40 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	850 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	1000 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4510' EST.		

Injection interval
Approx. 4000 feet to 4500 feet

Completion type Perforated Casing

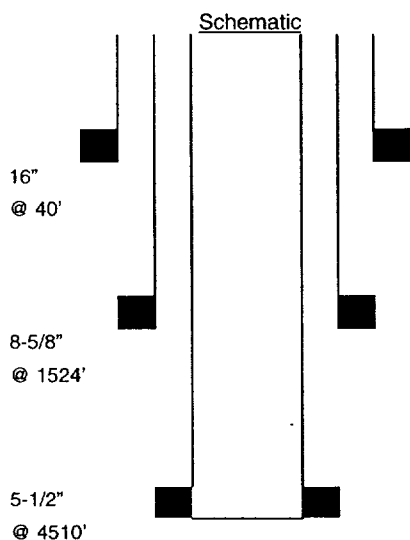
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? ☒ Yes ☐ No
If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 30-422	Footage Location 1520' FNL & 1300' FEL	Section 30	Township 18-S	Range 38-E	Unit Letter H



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	16"	Cemented with	40 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	850 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	1000 sxs.
TOC	2500'	Determined by	CBL
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4510'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

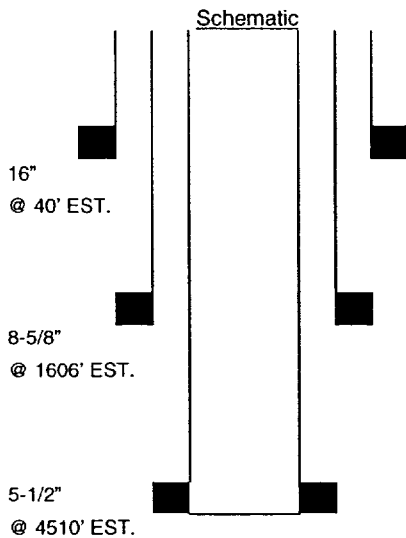
Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Injector
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. New Well	Footage Location TBD	Section 30	Township 18-S	Range 38-E	Unit Letter H



Tubular Data

Surface Casing
 Size 16" Cemented with 40 EST. sxs.
 TOC SURF Determined by CIRC
 Hole size _____

Intermediate Casing
 Size 8-5/8" Cemented with 850 EST. sxs.
 TOC SURF Determined by CIRC
 Hole size _____

Long string Casing
 Size 5-1/2" Cemented with 1000 EST. sxs.
 TOC SURF Determined by CIRC
 Hole size _____

Liner
 Size _____ Cemented with _____ sxs.
 TOC _____ Determined by _____
 Hole size _____

Total depth 4510' EST.

Injection interval
Approx. 4000 feet to 4500 feet

Completion type Perforated Casing

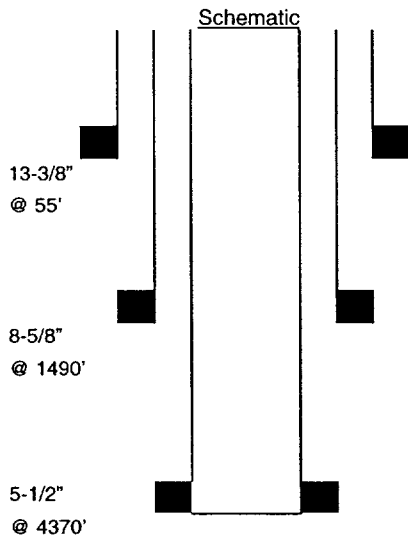
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? ☒ Yes ☐ No
 If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 30-432	Footage Location 2260' FSL & 178' FEL	Section 30	Township 18-S	Range 38-E	Unit Letter I



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	13-3/8"	Cemented with	N/A sxs.
TOC	N/A	Determined by	N/A
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	370 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	350 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4370'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

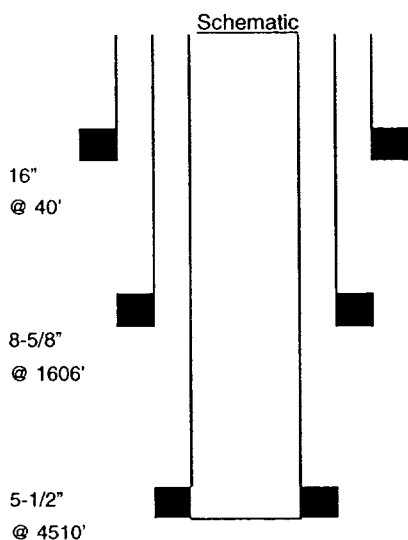
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 30-442	Footage Location 1300' FSL & 1050' FEL	Section 30	Township 18-S	Range 38-E	Unit Letter P



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	16"	Cemented with	40 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	850 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	900 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4510'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

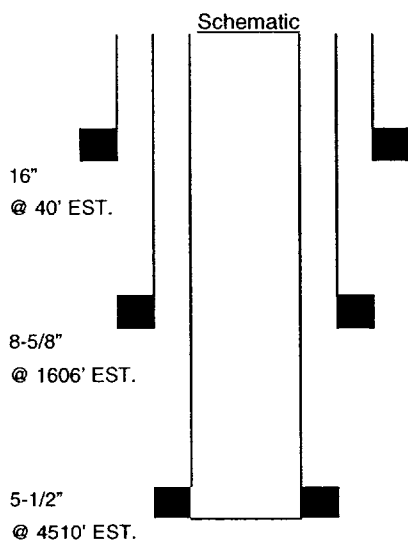
Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. New Well	Footage Location TBD	Section 30	Township 18-S	Range 38-E	Unit Letter P



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	16"	Cemented with	40 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	850 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	1000 EST. sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4510' EST.		

Injection interval
Approx. 4000 feet to 4500 feet

Completion type Perforated Casing

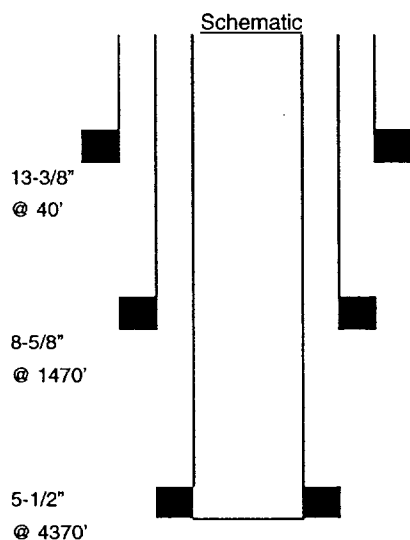
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? ☒ Yes ☐ No
If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 30-443	Footage Location 1300' FSL & 160' FEL	Section 30	Township 18-S	Range 38-E	Unit Letter P



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	13-3/8"	Cemented with	REDIMIX sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	425 sxs.
TOC	440'	Determined by	TS
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	340 sxs.
TOC	858'	Determined by	CBL
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4370'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

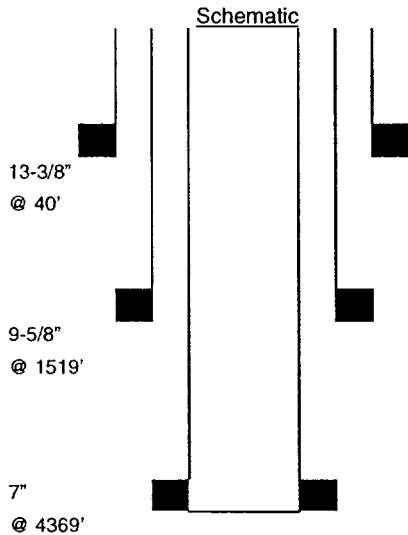
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 30-444	Footage Location 215' FSL & 1225' FEL	Section 30	Township 18-S	Range 38-E	Unit Letter P



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	13-3/8"	Cemented with	40 sxs.
TOC	SURF	Determined by	CALC-50% EFFIC
Hole size			
<u>Intermediate Casing</u>			
Size	9-5/8"	Cemented with	500 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	7"	Cemented with	2305 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4370'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

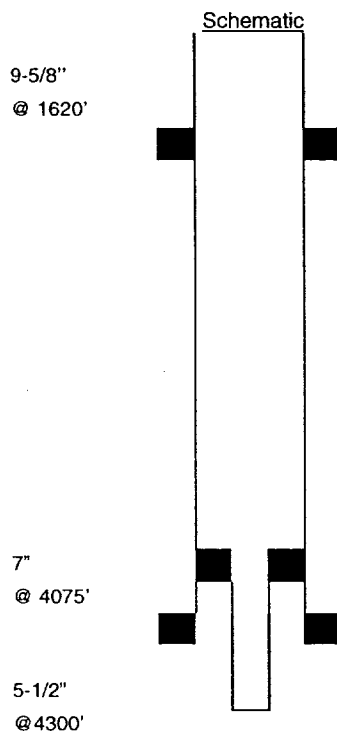
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 31-121	Footage Location 1980' FNL & 990' FWL	Section 31	Township 18-S	Range 38-E	Unit Letter E



Tubular Data

Surface Casing
 Size 9- 5/8" Cemented with 800 sxs.
 TOC SURF Determined by CIRC.
 Hole size _____

Intermediate Casing
 Size _____ Cemented with _____ sxs.
 TOC _____ Determined by _____
 Hole size _____

Long string Casing
 Size 7" Cemented with 400 sxs.
 TOC 1733' Determined by CALC-50% EFFIC
 Hole size _____

Liner (Proposed)
 Size 5-1/2" Cemented with 50 (est.) sxs.
 TOC TOL (est.) Determined by _____
 Hole size _____

Total depth Proposed deepening to 4300'
(Current TD is 4189')

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

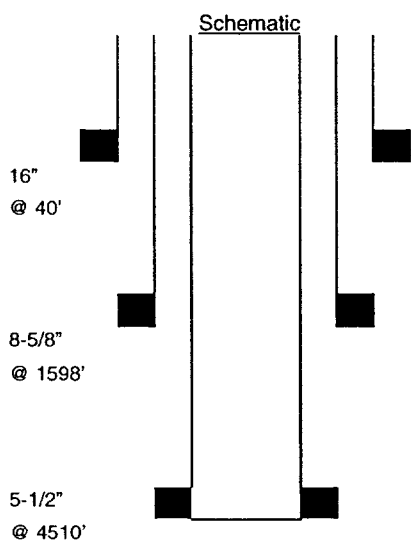
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI Packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 31-312	Footage Location 1262' FNL & 1520' FEL	Section 31	Township 18-S	Range 38-E	Unit Letter B



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	16"	Cemented with	40 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	950 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	1050 sxs.
TOC	2500'	Determined by	CBL
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4510'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

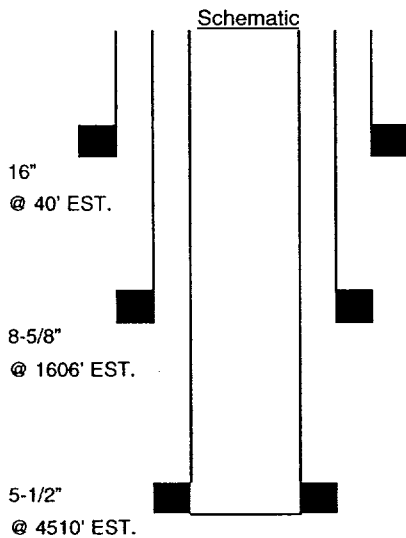
Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Injector
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. New Well	Footage Location TBD	Section 31	Township 18-S	Range 38-E	Unit Letter B



<u>Tubular Data</u>	
<u>Surface Casing</u>	
Size <u>16"</u>	Cemented with <u>40 EST.</u> sxs.
TOC <u>SURF</u>	Determined by <u>CIRC</u>
Hole size _____	
<u>Intermediate Casing</u>	
Size <u>8-5/8"</u>	Cemented with <u>850 EST.</u> sxs.
TOC <u>SURF</u>	Determined by <u>CIRC</u>
Hole size _____	
<u>Long string Casing</u>	
Size <u>5-1/2"</u>	Cemented with <u>1000 EST.</u> sxs.
TOC <u>SURF</u>	Determined by <u>CIRC</u>
Hole size _____	
<u>Liner</u>	
Size _____	Cemented with _____ sxs.
TOC _____	Determined by _____
Hole size _____	
Total depth	<u>4510' EST.</u>

Injection interval
Approx. 4000 feet to 4500 feet

Completion type Perforated Casing

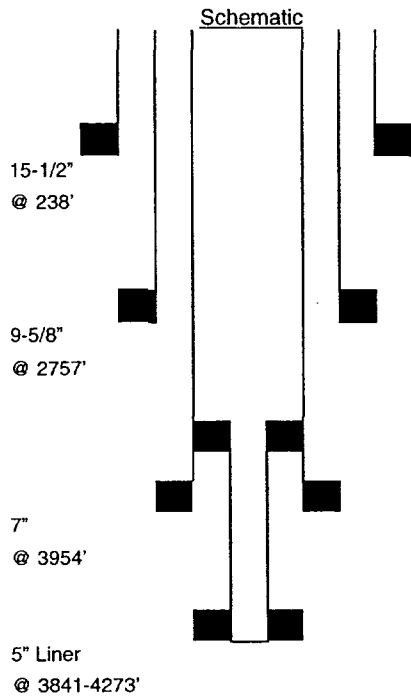
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? ☒ Yes ☐ No
 If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 32-112	Footage Location 1370' FNL & 330' FWL	Section 32	Township 18-S	Range 38-E	Unit Letter O



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>15-1/2"</u>	Cemented with	<u>200</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Intermediate Casing</u>			
Size	<u>9-5/8"</u>	Cemented with	<u>350</u> sxs.
TOC	<u>1774'</u>	Determined by	<u>CALC-50% EFFIC</u>
Hole size			
<u>Long string Casing</u>			
Size	<u>7"</u>	Cemented with	<u>200</u> sxs.
TOC	<u>3086'</u>	Determined by	<u>CBL</u>
Hole size			
<u>Liner</u>			
Size	<u>5"</u>	Cemented with	<u>50</u> sxs.
TOC	<u>3841'</u>	Determined by	<u>CIRC</u>
Hole size			
Total depth	<u>4276'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

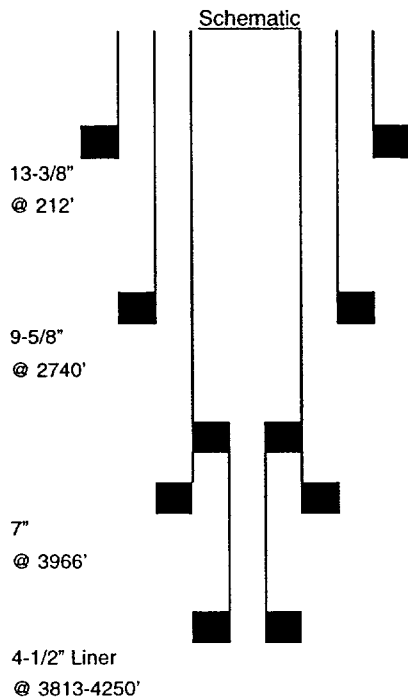
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson - Uni VI packer at Within 100 feet of top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg - San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 32-131	Footage Location 2310' FSL & 330' FWL	Section 32	Township 18-S	Range 38-E	Unit Letter L



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>13-3/8"</u>	Cemented with	<u>200</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CALC-50% EFFIC</u>
Hole size			
<u>Intermediate Casing</u>			
Size	<u>9-5/8"</u>	Cemented with	<u>350</u> sxs.
TOC	<u>1756'</u>	Determined by	<u>CALC-50% EFFIC</u>
Hole size			
<u>Long string Casing</u>			
Size	<u>7"</u>	Cemented with	<u>150</u> sxs.
TOC	<u>3140'</u>	Determined by	<u>CBL</u>
Hole size			
<u>Liner</u>			
Size	<u>4-1/2"</u>	Cemented with	<u>65</u> sxs.
TOC	<u>3813'</u>	Determined by	<u>CALC-50% EFFIC</u>
Hole size			
Total depth	<u>4250'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

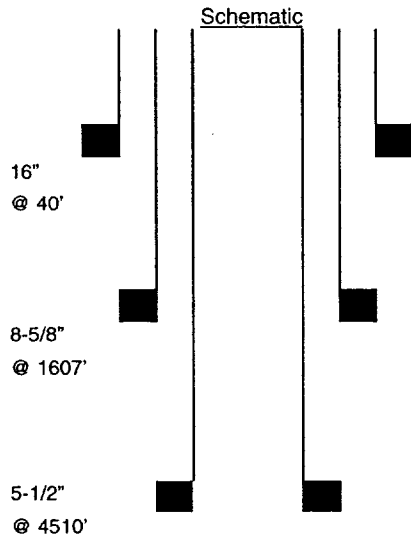
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) Sqz. hole @ 2430' w/480 sxs. (circulated)
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 32-222	Footage Location 1720' FNL & 1370' FWL	Section 32	Township 18-S	Range 38-E	Unit Letter F



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	16"	Cemented with	40 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	800 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	900 sxs.
TOC	724'	Determined by	CBL
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4510'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

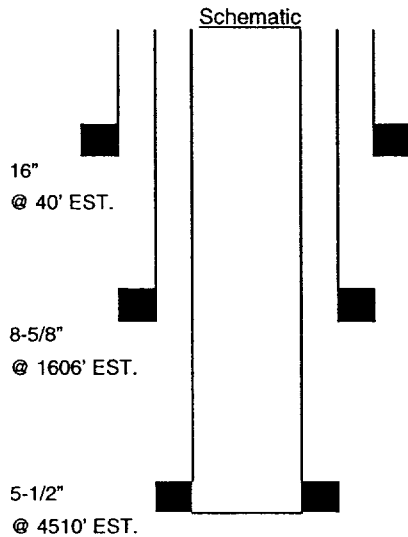
Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. New Well	Footage Location TBD	Section 32	Township 18-S	Range 38-E	Unit Letter F



Tubular Data

Surface Casing

Size	<u>16"</u>	Cemented with	<u>40 EST.</u>	sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>	
Hole size				

Intermediate Casing

Size	<u>8-5/8"</u>	Cemented with	<u>850 EST.</u>	sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>	
Hole size				

Long string Casing

Size	5-1/2"	Cemented with	1000 EST.	sxs.
TOC	SURF	Determined by	CIRC	
Hole size				

Liner

Size _____ Cemented with _____ sxs.
 TOC _____ Determined by _____
 Hole size _____

Total depth 4510' EST.

Injection interval

Approx. 4000 feet to 4500 feet

Completion type

Perforated Casing

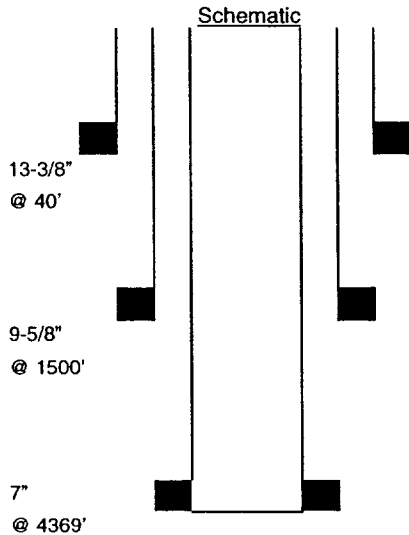
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

1. Name of the injection formation San Andres
2. Name of field or Pool Hobbs; Grayburg – San Andres
3. Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Injection
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 32-223	Footage Location 2630' FNL & 1420' FWL	Section 32	Township 18-S	Range 38-E	Unit Letter F



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>13-3/8"</u>	Cemented with	<u>N/A</u> sxs.
TOC	<u>N/A</u>	Determined by	<u>N/A</u>
Hole size			
<u>Intermediate Casing</u>			
Size	<u>9-5/8"</u>	Cemented with	<u>600</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Long string Casing</u>			
Size	<u>7"</u>	Cemented with	<u>975</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Liner</u>			
Size		Cemented with	
TOC		Determined by	
Hole size			
Total depth	<u>4370'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

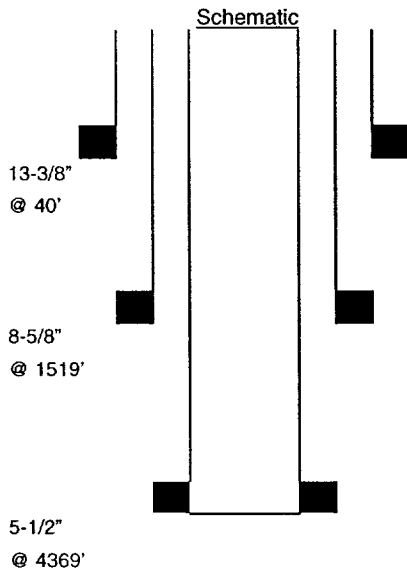
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 32-312	Footage Location 210' FNL & 1400' FEL	Section 32	Township 18-S	Range 38-E	Unit Letter B



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	13-3/8"	Cemented with	NA sxs.
TOC	NA	Determined by	NA
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	650 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	1120 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4370'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

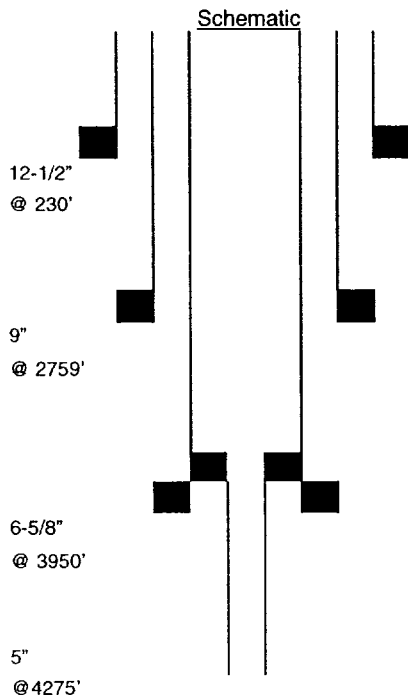
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 32-321	Footage Location 1650' FNL & 2310' FEL	Section 32	Township 18-S	Range 38-E	Unit Letter G



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	12-1/2"	Cemented with	NA sxs.
TOC	NA	Determined by	NA
Hole size			
<u>Intermediate Casing</u>			
Size	9"	Cemented with	N/A sxs.
TOC	N/A	Determined by	N/A
Hole size			
<u>Long string Casing</u>			
Size	6-5/8"	Cemented with	N/A sxs.
TOC	2472'	Determined by	CBL
Hole size			
<u>Liner (Proposed)</u>			
Size	5"	Cemented with	50 (est.) sxs.
TOC	TOL (est.)	Determined by	
Hole size			
Total depth	4275'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

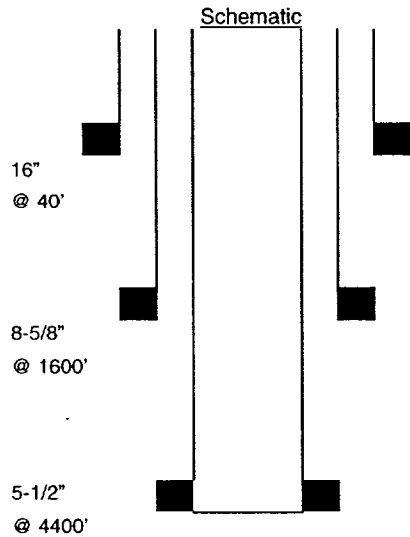
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) Sqz. @ 3094' & 3145'-72' w/165 sxs
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 32-323	Footage Location 1370' FNL & 1400' FEL	Section 32	Township 18-S	Range 38-E	Unit Letter G



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>16"</u>	Cemented with	<u>40</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Intermediate Casing</u>			
Size	<u>8-5/8"</u>	Cemented with	<u>1000</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Long string Casing</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>920</u> sxs.
TOC	<u>3624'</u>	Determined by	<u>MICRO-SEISMO.</u>
Hole size			
<u>Liner</u>			
Size		Cemented with	
TOC		Determined by	
Hole size			
Total depth	<u>4400'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

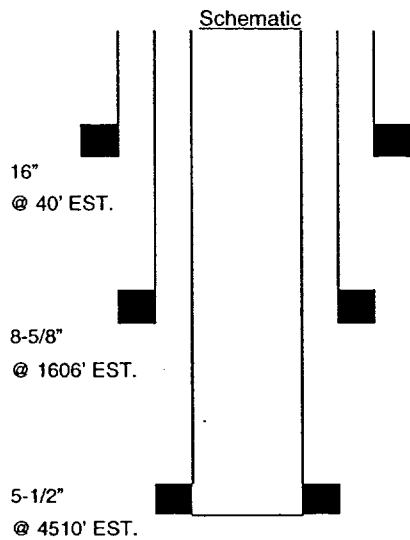
Tubing size 3-1/2" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. New Well	Footage Location TBD	Section 32	Township 18-S	Range 38-E	Unit Letter A



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>16"</u>	Cemented with	<u>40 EST.</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size	<u> </u>		
<u>Intermediate Casing</u>			
Size	<u>8-5/8"</u>	Cemented with	<u>850 EST.</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size	<u> </u>		
<u>Long string Casing</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>1000 EST.</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size	<u> </u>		
<u>Liner</u>			
Size	<u> </u>	Cemented with	<u> </u> sxs.
TOC	<u> </u>	Determined by	<u> </u>
Hole size	<u> </u>		
Total depth	<u>4510' EST.</u>		

Injection interval
Approx. 4000 feet to 4500 feet

Completion type Perforated Casing

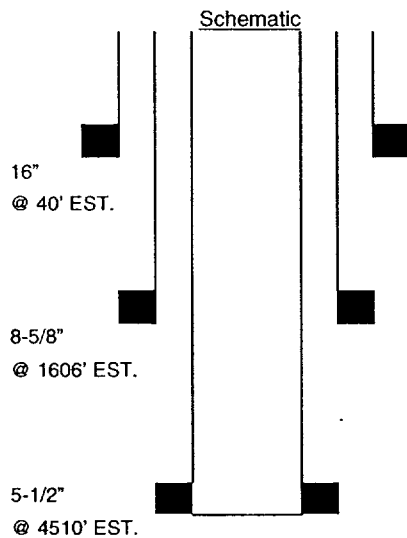
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? ☒ Yes ☐ No
 If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator		Lease			County
Occidental Permian Limited Partnership		North Hobbs G/SA Unit			Lea
Well No.	Footage Location	Section	Township	Range	Unit Letter
New Well	TBD	32	18-S	38-E	G



		<u>Tubular Data</u>	
<u>Surface Casing</u>			
Size	<u>16"</u>	Cemented with	<u>40 EST.</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size	<u> </u>		
<u>Intermediate Casing</u>			
Size	<u>8-5/8"</u>	Cemented with	<u>850 EST.</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size	<u> </u>		
<u>Long string Casing</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>1000 EST.</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size	<u> </u>		
<u>Liner</u>			
Size	<u> </u>	Cemented with	<u> </u> sxs.
TOC	<u> </u>	Determined by	<u> </u>
Hole size	<u> </u>		
<u>Total depth</u>		<u>4510' EST.</u>	

Injection interval
Approx. 4000 feet to 4500 feet

Perforated Casing

Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

1. Name of the injection formation	San Andres
------------------------------------	------------

2. Name of field or Pool Hobbs; Grayburg – San Andres

3. Is this a new well drilled for injection? ☒ Yes ☐ No
If no, for what purpose was the well originally drilled? Injection

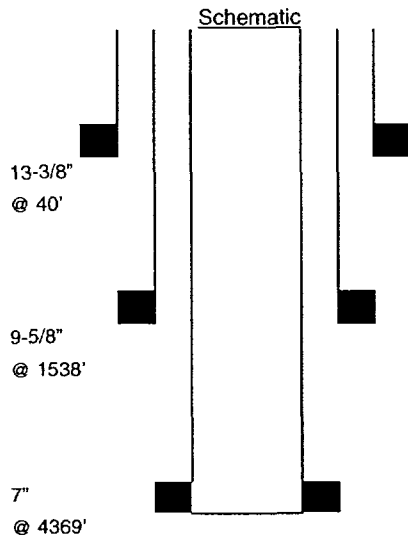
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) **None**

5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.

Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 32-422	Footage Location 1385' FNL & 110' FEL	Section 32	Township 18-S	Range 38-E	Unit Letter H



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	13-3/8"	Cemented with	N/A sxs.
TOC	N/A	Determined by	N/A
Hole size			
<u>Intermediate Casing</u>			
Size	9-5/8"	Cemented with	425 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	7"	Cemented with	570 sxs.
TOC	1032'	Determined by	CALC-50% EFFIC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			

Total depth 4370'

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

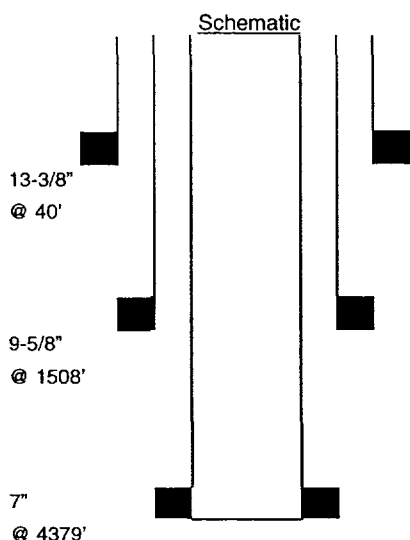
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☒ No
If no, for what purpose was the well originally drilled? Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 32-423	Footage Location 2540' FNL & 1280' FEL	Section 32	Township 18-S	Range 38-E	Unit Letter H



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	13-3/8"	Cemented with	N/A sxs.
TOC	N/A	Determined by	N/A
Hole size			
<u>Intermediate Casing</u>			
Size	9-5/8"	Cemented with	580 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Long string Casing</u>			
Size	7"	Cemented with	925 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4380'		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

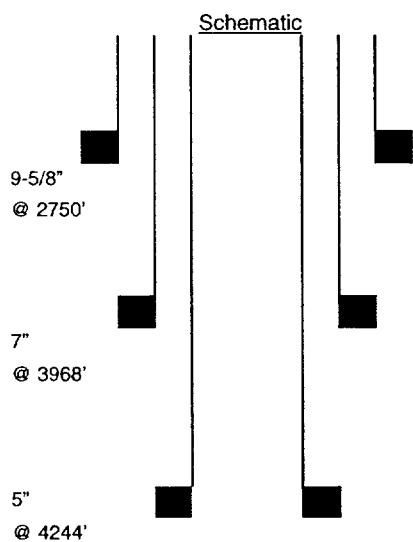
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 32-431	Footage Location 2310' FSL & 330' FEL	Section 32	Township 18-S	Range 38-E	Unit Letter I



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>9-5/8"</u>	Cemented with	<u>475</u> sxs.
TOC	<u>1415'</u>	Determined by	<u>CALC-50% EFFIC</u>
Hole size			
<u>Intermediate Casing</u>			
Size	<u>7"</u>	Cemented with	<u>350</u> sxs.
TOC	<u>1919'</u>	Determined by	<u>CALC-50% EFFIC</u>
Hole size			
<u>Long string Casing</u>			
Size	<u>5"</u>	Cemented with	<u>65</u> sxs.
TOC	<u>3406'</u>	Determined by	<u>CALC-50% EFFIC</u>
Hole size			
<u>Liner</u>			
Size		Cemented with	
TOC		Determined by	
Hole size			

Total depth 4245'

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

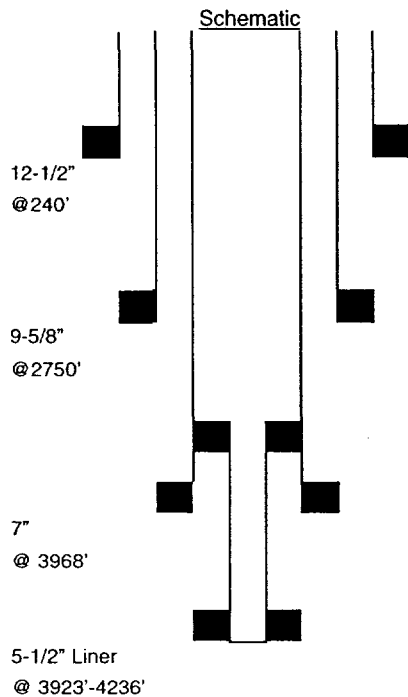
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) Sqz. holes @ 266' & 1567' w/100 sxs
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit		County Lea	
Well No. 33-111	Footage Location 330' FNL & 330' FWL	Section 33	Township 18-S	Range 38-E	Unit Letter D



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>12-1/2"</u>	Cemented with	<u>200</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Intermediate Casing</u>			
Size	<u>9-5/8"</u>	Cemented with	<u>600</u> sxs.
TOC	<u>619'</u>	Determined by	<u>CALC-50% EFFIC</u>
Hole size			
<u>Long string Casing</u>			
Size	<u>7"</u>	Cemented with	<u>225</u> sxs.
TOC	<u>2651'</u>	Determined by	<u>CALC-50% EFFIC</u>
Hole size			
<u>Liner</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>95</u> sxs.
TOC	<u>3923'</u>	Determined by	<u>CALC-50% EFFIC</u>
Hole size			
Total depth	<u>4237'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

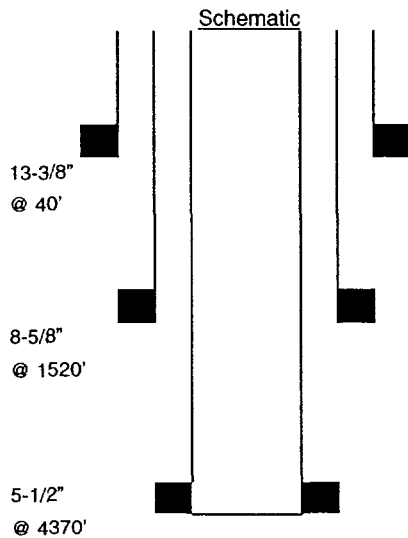
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) Sqz. @ 2800' with 275 sxs cmt.
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 33-212	Footage Location 205' FNL & 1420' FWL	Section 33	Township 18-S	Range 38-E	Unit Letter C



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>13-3/8"</u>	Cemented with	<u>40</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size	<u> </u>		
<u>Intermediate Casing</u>			
Size	<u>8-5/8"</u>	Cemented with	<u>875</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size	<u> </u>		
<u>Long string Casing</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>900</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size	<u> </u>		
<u>Liner</u>			
Size	<u> </u>	Cemented with	<u> </u> sxs.
TOC	<u> </u>	Determined by	<u> </u>
Hole size	<u> </u>		
Total depth	<u>4370'</u>		

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

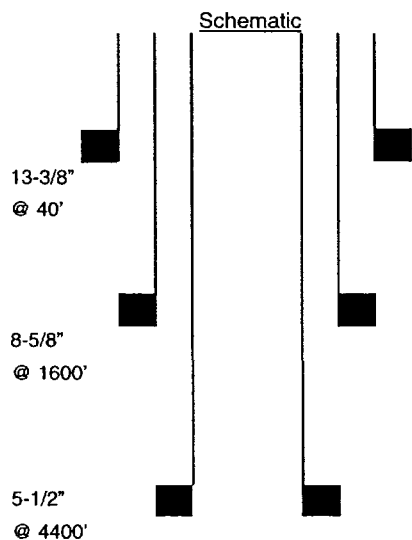
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 33-222	Footage Location 1520' FNL & 1470' FWL	Section 33	Township 18-S	Range 38-E	Unit Letter F



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>16"</u>	Cemented with	<u>40</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Intermediate Casing</u>			
Size	<u>8-5/8"</u>	Cemented with	<u>800</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Long string Casing</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>1100</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			

Total depth 4400'

Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

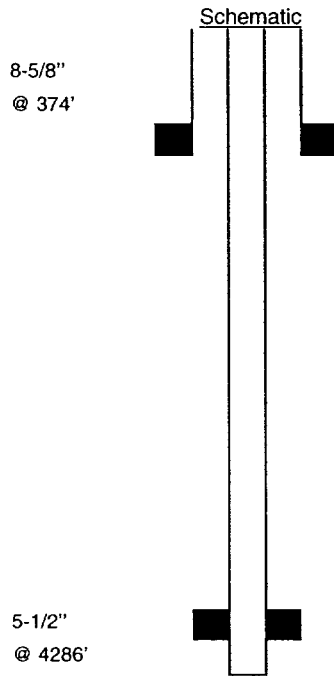
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Injection
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 36-321	Footage Location 1650' FNL & 1650' FEL	Section 36	Township 18-S	Range 37-E	Unit Letter G



Tubular Data

Surface Casing
 Size 8- 5/8" Cemented with 350 sxs.
 TOC SURF Determined by CIRC
 Hole size _____

Intermediate Casing
 Size _____ Cemented with _____ sxs.
 TOC _____ Determined by _____
 Hole size _____

Long string Casing
 Size 5-1/2" Cemented with 400 sxs.
 TOC 2825' Determined by TS
 Hole size _____

Liner
 Size _____ Cemented with _____ sxs.
 TOC _____ Determined by _____
 Hole size _____

Total depth Proposed to deepen to 4300'
 (Current TD is 4293')

Injection interval
Approx. 4000 feet to TD

Completion type Open Hole

Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI Packer at Within 100 feet of the top perf.
 (brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs; Grayburg – San Andres
- Is this a new well drilled for injection? Yes ☐ No ☒
 If no, for what purpose was the well originally drilled? Producer
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) None
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Byers (Queen), +/- 3680'; Glorieta, 5300'

C-108 Notice List

Surface Owners

Alton W. Howell
1811 Bensing Rd
Hobbs, NM 88240

Frankie J. Birdsell
P.O. Box 891
Hobbs, NM 88240

Jorge Velasquez
1831 Bensing
Hobbs, NM 88240

Ann M. Kirk
3701 W. Bender Blvd.
Hobbs, NM 88240

Gary L. Jones
P.O. Box 1786
Hobbs, NM 88040

Leonard Caffey
625 E. Mesa
Hobbs, NM 88240

Armstrong Construction Company
P.O. Box 1873
Roswell, NM 88201

Grimes Land Company, Ltd. Co.
P.O. Box 5102
Hobbs, NM 88241

Leonard E. Stansberry
2131 N. Carr Lane
Hobbs, NM 88240

Billy L. Hoyl
6031 Archwood
San Antonio, TX 78239

Hugh Davis
1823 Gary Lane
Hobbs, NM 88240

Lisa Moore & Wylie Swiney
1812 Gary Lane
Hobbs, NM 88240

Carl L. Smelcer
1909 E. Kansas
Hobbs, NM 88240

James Ray Serviss
20 Redwing Terrace
N. Falmouth, MA 02556

Patsy L. Kerbo
P.O. Box 1813
Hobbs, NM 88241

Carlton D. Slaughter
1733 Bensing Rd
Hobbs, NM 88240

Jerry L. Berry
200 Cottrell Lane
Hobbs, NM 88240

R. V. Kerbo
P.O. Box 1813
Hobbs, NM 88241

Cecil J. Taylor
c/o Flora B. Davis
2525 N. Bensing
Hobbs, NM 88240

Jerry T. Burkett
1903 Gary Lane
Hobbs, NM 88240

R.V. & Patsy L. Kerbo
1800 Gary Lane
Hobbs, NM 88240

Charles and Sally Seed Trust
4721 Lovington Highway
Hobbs, NM 88240

Jody Powers
1916 Carr Lane
Hobbs, NM 88240

Ronaldo F. Montoya
526 Christine
Las Vegas, NM 87701

DMMT, Inc.
P.O. Box 1461
Hobbs, NM 88240

Joe B. Conaway Trust
3919 W. Bender
Hobbs, NM 88240

Smith & Sons Construction/Welding Inc.
2705 W. County Rd
Hobbs, NM 88240

Eloise H. Schubert
c/o Grimes Land Co.
P.O. Box 5102
Hobbs, NM 88241

Johnny P. & Lisa M. Brown
P.O. Box 1033
Brunswick, ME 04011

Southwest Supply Ltd
P.O. Box 2488
Hobbs, NM 88241

C-108 Notice List

Surface Owners

State of New Mexico
310 Old Santa Fe Trail
Santa Fe, NM 87504

Virgil Wittman
1902 N. Gary Lane
Hobbs, NM 88240

W.A. Cox
1811 Gary Lane
Hobbs, NM 88240

William Grimes Maddox
c/o RM&S Enterprises
419 E. Arriba
Hobbs, NM 88240

C-108 Notice List

Offset Operators and Others

Jimmy Roberson Energy
PO Box 729
Benton, LA 71006

Dwight A. Tipton
PO Box 1597
Lovington, NM 88260-1597

Yale E. Key
(Truckers Brine Station)
PO Box 2040
Hobbs, NM 88241

Saga Petroleum
415 W. Wall St, STE 835
Midland TX 79701

Texland Petroleum
777 Taylor St, STE 102
Fort Worth, TX 76102

Conoco
10 Desta Drive, STE 100W
Midland, TX 79705

Brothers Production Co.
PO Box 7515
Midland, TX 79708-7515

Texaco
PO Box 3109
Midland, TX 79702

Robinson Oil
PO Box 1829
Eunice, NM 88231

Bureau of Land Management
Roswell District Office
2909 West Second Street
Roswell, NM 88201

Oil Conservation Division
Hobbs District Office
1625 N. French Drive
Hobbs, NM 88240

Techsys Resources
PO Box 19465
Houston, TX

Ralph Bruton
8200 Brookriver Drive, STE 610
Dallas, TX 75247-4069

Rice Operating
122 W. Taylor
Hobbs, NM 88240

Burleson
PO Box 2479
Midland, TX 79702-2479

Marcum Drilling
PO Box 3699
Midland, TX 79702-3699

Plains Marketing
10 Desta Drive, STE 200
Midland, TX 79705

Apache
2000 Post Oak Blvd, STE 100
Houston, TX 77056-4400

HRC Inc
PO Box 5102
Hobbs, NM 88241

State of New Mexico
Commissioner of Public Lands
P. O. Box 1148
Santa Fe, NM 87504-1148

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE