Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

Case 10

FORM C-108 Revised 4-1-98

APPLICATION FOR AUTHORIZATION TO INJECT

I.	PURPOSE: Secondary Recovery X Pressure Maintenance Disposal Stora Application qualifies for administrative approval? Yes X No
II.	PERATOR: Occidental Permian Limited Partnership
	DDRESS: P.O. Box 4294 Houston, TX 77210-4294
	ONTACT 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? X 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:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, 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/1 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 available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground 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. Fospiano TITLE: Senior Advisor - Reg. Affairs
	SIGNATURE: Luciest 8, 2001

Order No. R-6199, effective November 30, 1979

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
 - (1) Lease name; Well No.: location by Section, Township, and Range; and footage location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and setting depth.
 - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
 - (1) The name of the injection formation and, if applicable, the field or pool name.
 - (2) The injection interval and whether it is perforated or open-hole.
 - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
 - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
 - (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

Attachment To Form C-108 Miscellaneous Data

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

III. Well Data

B.(5) Next higher oil zone -- Grayburg @ +/- 3700' Next lower oil 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

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	1980 FEL						330 FWL				2600 FWL						2310 FWL			E/W Dir
	1980 FNL						330 FSL				1200 FSL						330 FSL			N/S Dir
	30025073450000						30025073370000				30025271980000						30025073380000			API
	ОХҮ						ОХҮ				OXY						ОХҮ			Operator Name
	NHGSU						NHGSU				NHGSU						NHGSU			Lease Name
	321						141				242						241			Well #
	잍						OIL				WIW						OIL			Status
	03/16/1959						06/17/1932				07/18/1981						11/28/1932			Comp Date
t	4170						4158				4510						4152			₽
																				Abnd Date
	4067						4158										4152			Lwr/Perf
4 1/2			4 1/2	6 5/8	8 5/8	10 3/4	16		5 1/2	8 5/8	16		4	5 1/2	7	9 5/8	12 1/2			Csg Size
7 7/8			6 1/4	8 1/4	9 7/8	15	20		7 7/8	12 1/4	20		4 3/4	6 1/2	8 3/4	12 1/4	16			Hole Size
4168	433		4333	4146	3925	2781	222		4510	1600	40		4323	4197	3937	2803	228			Depth
1400	350		100	50	275	450	250		900	875	40		35	320	280	400	250			Sxs/Cmt
SURF	SURF		4086	3859	2006	2118	SURF		SURF	SURF	SURF		4148	3887	2298	1679	SURF			тос
CALC	OCD		CALC	CALC	CALC	CALC	OCD		CALC	CIRC	OCD		CALC	CALC	CALC	CALC	920			Source
			TOL=4086	TOL=3859									TOL=4148	TOL=3887						Comments

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			330 FSL				2310 FNL				330 FNL				420 FSL			990 FNL					1309 FNL					1309 FNL				1300 FNL					2310 FNL	7-	N/S Dir
			30025073650000				30025073550000				30025073560000				30025234810000			30025073580000					30025073590000					30025073690000				30025073700000					30025073570000		API
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			06/26/1930				09/18/1930				09/13/1932				05/26/1970		01/26/1982	05/15/1952					11/28/1930					11/10/1930				02/28/1933					09/26/1930	•	Comp Date
		\dashv	4248				4209			-	4204		-		7105			4254					4266					4296				4342					4210	_	Driller TD
											10/09/1997																												Abnd Date
			4210			유	4209				4204				6080			4248					4220					4222				4231				유	4210		Lower Perf
5 1/2	7		12 1/2		6 5/8	9	12 1/2		7	9	12 1/2		5 1/2	9 5/8	13 3/8		5 1/2	8 5/8		5	7	9	12 1/2		5	7	9 5/8	12 1/2		4 1/2	7	12 1/2		4 1/2	7	8	12 1/2	_	Csg Size
, ,		11 3/4	16			11 3/4	16						8 3/4	12 1/4	17 1/2		7 7/8	=		6 1/8	8 3/4	11 3/4	16		6 1/4	8 3/4	11 3/4	16		6 1/4	8 3/4	18 1/2		6 3/4	8 3/4	11 3/4	16		Hole Size
4248	3880	2783	218		3991	2750	240		3945	2770	230		7103	3794	360		4254	251		4266	3983	2750	241		4296	3952	2750	217		4342	3966	226		4250	4020	2752	245	Г	e Depth
100	500	500	300	 	200	500	200						950	500	360		1500	200		50	200	500	200		435	300	600	200		100	700	200		45	200	500	200		No. of Sxs
3810	953	SURF	SURF	1	3003	1336	SURF						3793	2389	SURF		1108	SURF	-	3925	2812	1336	SURF		4080	3060	548	SURF		3484	2574	SURF		3954	3070	1338	SURF	Н	TOC
CALC	CALC	CIRC	CIRC	1	2	CALC	CIRC				-		CALC	CALC	CIRC		CBL	CIRC	-	CALC	CALC	CALC	CIRC		CBL	B B	N/A	CIRC		C <u>A</u>	CBL	CIRC		CALC	CBL	CALC	CIRC		Source
TOL=3810										NEED P&A RPT	SCHEMATIC		TOL=3537							TOL=3925					TOL=3868					TOL=3867				TOL=3884					Comments

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				30025073620000					30025073630000					30025073640000					30025073660000				30025073680000					30025124910000				30025288800000				30025288810000			АРІ
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				231					331					241					441				421					341				212				442			Well #
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				09/13/1930					09/11/1930					09/12/1930					11/20/1932				11/07/1930					09/11/1930				07/13/1985				12/23/1984			Comp Date
				4247					4255					4200					4206				4240					4245				4370				4370			Driller TD
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				4200					4200		ļ 			4200					4206			오	4240					4220			_	4019				4263			Lower Perf
5 1/2	- 1	7	9 5/8	12 1/2		5 1/2	7	9 5/8	12 1/2		5 1/2	7	9 5/8	12 1/2		5	6 5/8	9 5/8	15 1/2		7	9 5/8	12 1/2		5 1/2	7	9 5/8	12 1/2				13 3/8		5 1/2	8 5/8	13 3/8			Csg Size
7 7/8		8 3/4	11 1/4	18		7 7/8	8 3/4	12 1/4	18		7 7/8	8 3/4	12	18		6 1/4	8 3/4	12 1/4	18		8 3/4	11 3/4	16				12 1/4	16			12 1/4			7 7/8	12 1/4				Hole Size
4246		3975	2750	239		4255	3975	2743	253		4246	3975	2750	246		4206	3982	2775	221		3948	2754	237		4245	3975	2750	236		4368	1504	40		4370	1525	6			Depth
100		255	600	200		100	225	600	200		100	225	600	200		100	300	600	204		300	600	200		100	225	600	225		1220	625			1320	620				No. of Sxs
3931	2024	3100	SURF	SURF		3809	2658	1057	SURF		3936	2658	SURF	SURF		3949	2500	1089	SURF		2192	623	SURF		3937	3299	1064	SURF		SURF	SURF	SURF		SURF	SURF	SURF			700
CALC		CBL	CALC	CIRC		CALC	CALC	CALC	CIRC		CALC	CALC	CIRC	CIRC		CALC	CALC	CALC	a OCD		CALC	CALC	CIRC		CALC	СВГ	CALC	CIRC		CIRC	CIRC	0CB		CIRC	CIRC	9 0 0 0			Source
TOL=3931						TOL=3809					TOL=3936					TOL=3949									TOL=3937														Comments

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	1650 FEL	L	L		2535 FEL	_			1300 FWL	L	L		119 FEL		L	L	1410 FWL			990 FEL				L	1320 FEL				747	2				2310 FEL		EW Dir
	2310 FSL				1430 FSL				1200 FSL				2495 FNL				2501 FSL			1650 FSL					2310 FSL				701010	2310 ESI				2310 FNL		N/S Dir
	30025073670000				30025291950000				30025271380000				30025291960000				30025291720000			30025226010000					30025124900000				20022007					30025073600000		API
	PLUGGED				OXY				OXY				охү				охү			OXY					PLUGGED				2	OXX				OXY		Operator Name
	MCKINLEY A-19				NHGSU				NHGSU				NHGSU				NHGSU			NHGSU					HD MCKINLEY A				MIGGO	NICOT.				NHGSU		Lease Name
	-				332				WI-142				422				232			431					۵				2					321		Weft #
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	08/26/1962				06/22/1985				07/12/1981				09/30/1985				09/24/1985			07/03/1968					11/11/1930				08/13/1830	201121121				09/12/1930	┿	S Comp Date
	9550				4370				4510				4370				4420			4286					4210				424/	╅	T			4205	-	e Driller TD
	02/19/1962																								04/17/1963											Abrid Date
					4064								4220				4207			4199					4210				4210	200				4205		Abnd Date Lower Perf Csg Size Hole Size
8 5/8	13 3/8		7	9 5/8	13 3/8		5 1/2	8 5/8	6		5 1/2	8 5/8	13 3/8		7	9 5/8	13 3/8		4 1/2	8 5/8		4 1/2	7	9 5/8	12 1/2		5 1/2	7 900	1		5 1/2	7	9 5/8	15 1/2		Csg Size
12 1/4	17		8 3/4	12 1/4	17 1/2		7 7/8	12 1/4	18		7 7/8	12 1/4	17 1/2		8 3/4	12 1/4	17 1/2		7 7/8	12 1/4		6 1/4	8 3/4	12	18			8 3/4	3 8		6 1/2	8 3/4	12 1/4	18		Hole Size
4499	351		4368	1510	40		4510	1600	8		4368	1520	40		4419	1498	40		4285	277		4237	4000	2810	240	1	4247	3060	240		4244	3945	3901	220	Г	Depth
2500	350		955	625	REDIMIX		900	875	40		920	750			900	425	N/A		435	200		70	225	600	300		150	33, 00	200		100	300	300	200		No. of Sxs
SURF	SURF		SURF	SURF	N/A		2606	SURF	SURF		SURF	SURF	SURF		SURF	SURF	N/A		2537	SURF							2230	SEA3	SURF		3809	2189	3058	SURF		10 c
CIRC	CIRC		CIRC	CIRC	CIRC		CBL	CIRC	CIRC		CIRC	CIRC	OCD		CIRC	CIRC	N/A		CBL	CIRC					င္သ	9	CALC		CIRC		CALC	CALC	CALC	CIRC		Source
	SCHEMATIC																					TOL=3850			SCHEMATIC						TOL=3809					Comments

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\prod	T	1850 FWL	1	Γ	T	990 FEL	Γ	T	T	2310 FWL			330 FWL		T	T	1320 FWL		1650 FEL		ľ			330 FWL	П		990	7	1	8	+	+		2310 FEL	⊢	E/W Dir
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		1610 FSL				330 FSL				330 FSL		L	1650 FSL	_			2310 FSL		1650 FNL					330 FSL			1850 FSL			330 FSL				2310 FNL		N/S Dir
		30025272140000				30025073730000				30025124930000			30025232060000				30025073820000		30025073740000					30025073830000			30025073870000			30025073850000				30025073800000		API
		OXY				PLUGGED				OXY			OXY				OXY		PLUGGED					OXY			PLUGGED			PLUGGED				PLUGGED		Operator Name
		NHGSU				BOWERS B				NHGSU			NHGSU				NHGSU		SM-20					NHGSU			NHGSU			BOWERS FEDERAL				MCKINLEY B		Lease Name
		233				ω				241			131	_			231		-					141			432		1	3		1			-	Well #
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		07/18/1981				01/31/1933				10/13/1930			07/25/1969				10/13/1930		03/24/1962					11/09/1932			01/23/1954			03/01/1954		0 11 10 10	01/28/10/7	04/13/1936		Comp Date
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						04/01/1959													11/08/1967							П	12/19/1997		\neg	01/01/1080		, 02, 10, 104,	7	07/08/1946	┪	Abnd Date
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5	00	16		7	9	1 5	_	7	8	12		5	8	_	7	80	12		8		5	7	9	12	1	7	5	+	7	\$	-		,	12	-	
1/2	5/8		_	_	5/8	1/2			5/8	1/2		1/2	5/8	 		5/8	122		5/8			_	5/8	122			3/4	\downarrow	1		15	3 8	ŝ	នឹ	+	Csg Size
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4510	1500	8		4015	2793	250		3985	2855	242		4266	292		4025	2810	242		305		4228	3981	2800	233		4050	246	1.00	136	350	/043	1110		253		Depth
1050	850	40		310	650	225		225	600	225		600	300		200	600	200		225		44	200	600	200		600	150	9	8 8	ŝ	350	2,0	375	150		Sxs/Cmt
SURF	SURF	SURF						2668	724	SURF		1218			2854	1124	SURF		SURF		3929	2810	1114	SURF					OOK!	2010					Ц.	100
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10 IVE	7240 ENI	1650 FNL				330 FSL			1650 FSL		2310 FNL		1980 FNL			2310 FNL		1650 FSL				990 FNL				1650 FSL			1325 FSL		N/S Dir
20022001 2000 L COGGEO	3002507388	3002507374 PLUGGED				30025073710000			30025073810000		30025073790000		30025073780000			30025073770000		30025073760000				30025073750000				30025073720000			30025073840000		API
rtogged		PLUGGED				OXY			PLUGGED		PLUGGED		PLUGGED			OXY		PLUGGED				OXY				PLUGGED			OXY		Operator Name
MINGOO	NUCCE	SM-20				NHGSU			NHGSU		MCKINLEY B		NHGSU			NHGSU		BROWN GRIMES				NHGSU				BA BOWERS B			NHGSU		Lease Name
421	<u> </u>					34.7			331		1.4		121			221		-			-	111		<u> </u>		2			232		Well #
8	2	P&A				일			P&A		OIL		P&A			일		P&A				잍				P&A			일		Status
7081/#1/60	OFMANOES	03/24/1962				10/28/1930			03/17/1954		03/20/1952		04/25/1933			10/14/1930		11/27/1934				10/14/1932				12/24/1932			07/18/1933		Comp Date
##		6175				4242			4202		4270		4241			4224		4244				4238				4247			4234		T
01/10/2001	24425004	11/08/1967							04/05/1982		01/01/1960		01/02/2001					01/01/1952								07/01/1946					Abnd Date
4230	255					4242			4202		4270		4241		오	4225		4244								4247		오	4234		LWR Perf
5 1/2		8 5/8		7	9 5/8	12 1/2		5 1/2	8 5/8	7	10 3/4	7	16	7	9 5/8	13 3/8	7	12 1/2		7	9	12 1/2		7	10 3/4	15 1/2	7	9 5/8	15 1/2	Н	Csg Size
5		12 1/4		8 3/4	11 3/4	16				8 3/4	13	12 1/4	19 3/4	8 3/4	12 1/4	17 1/2					12 1/2	16					8 3/4	12 1/4	18		Hole Size
4278		305		4055	2783	236		4130	252	4100	278	4054	259	4026	2770	227	4015	229		4040	2796	213		4050	2810	225	4089	1615	243		Depth
215		225		300	500	200		600	150	350	125	275	225	150	700	142	550	150		250	500	200		300	700	225	250	75	150		Sxs/Cmt
		SURF		2299	SURF	SURF			SURF	2051	SURF		SURF	3148	803	47	1775	SURF		2577	1724	SURF					2626	1404	SURF		TOC
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			3002507386 PLUGGED	API
			PLUGGED	Operator Name
			NHGSU	Lease Name
			431	Well #
			431 P&A	Status
				Comp Date
			4253	ਰ
			01/12/2001	Abnd Date
			4225	LWR Perf
		5 1/2	8 5/8	Cag Size
		6 3/4	⇉	Hole Size
		4253	275	Depth
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		PLUGGED			PLUGGED			ROBINSON			PLUGGED			OXY			PLUGGED		Operator Name
		NORTH GRIMES			NHGSU			MORRIS			MORRIS			NHGSU			NHGSU		Lease Name
		4			131			2			-1			141			241		Well #
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		04/14/1936			12/10/1935			05/29/1982			11/03/1952			01/15/1935			10/14/1935		Comp Date
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	9 7/8	18		8 5/8	17 1/2		7 7/8	12 1/2		8 3/4	15		9 7/8	17 1/2					Hole Size
	4126	247		4106	295		4230	350		4100	283		4067	270		4109	281		Depth
	1300	259		1300	250		1050	250		150	150		650	200		1300	225		No. of Sxs
		SURF			SURF		700	SURF			SURF		506	SURF					10c
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		ΟΧΥ			PLUGGED			OXY			OXY			OXY			OXY			OXY			OXY			ОХҮ			охү			OXY			OXY		Operator Name
		STATE F			STATE F			NHGSU			NHGSU			NHGSU			NHGSU			NHGSU			NHGSU			NHGSU			NHGSU			NHGSU			NHGSU		Lease Name
		311			1.40			421			431			412			331			411			211			221			231			241			441		Well #
		잍			P&A			일			WW			일			잍			일			WIW			인			WIW			OIL			옫		Status
		08/20/1957			06/19/1951			07/20/1951			01/14/1953			08/19/1955			04/20/1956			12/29/1941			02/21/1959			03/21/1929			06/12/1959		- 1	08/01/1959			01/09/1956		Comp Date
Π		4125			4115			4158			4191			4202			4283			4150			4297	П		4299			4330			4390			4225		ਰ
					10/15/1957																																Abnd Date
		4095			4115		ОН	4158		HQ	4191		ЭН	4202			4258		유	4 122			4108			4100			4160			4194			4224		Lower Perf
5 1/2		8 5/8		5 1/2	8 5/8		5 1/2	8 5/8		5 1/2	8 5/8		5 1/2	8 5/8		5 1/2	8 5/8		5 1/2	8 5/8		5 1/2	8 5/8		5 1/2	8 5/8			8 5/8		5 1/2	8 5/8		5 1/2	8 5/8		Csg Size
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4125		38		4099	1592		4000	320		3993	252		3990	240		4283	344		3915	334		4296	320		4299	332		4330	310		4389	339		4225	311		Depth
/30	7 5	300		130	525		150	125		300	125		250	125		1200	180		75	125		300	325		300	300		300	350		800	350		2000	300		Sxs/Cmt
SORF	2 2	SURF			SURF		2419	SURF		1922	SURF		1356	SURF		2608	SURF		3125	SURF		2905	SURF		2760	SURF		2630	SURF	!	2770	SURF		SURF	SURF		100
CIRC	3	0 0 0 0			80		CALC	ОСВ		CALC	CIRC		CALC	ОСВ		СВГ	CIRC		CALC	OCD		TS	OCD		SI	OCD		75	8			CIRC		CALC	CIRC		Source
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		30025054750000 OXY			30025054620000 PLUGGED			30025054630000 OXY		API
		OXY			PLUGGED			oxy		Operator Name
		NHGSU			NHGSU			NHGSU		Lease Name
		341			121			321		Well#
		OIL			P&A			WIW		Status
		05/23/1956			12/17/1959			07/12/1957		Comp Date
		4302			4250			4265		đ
					01/12/1984					Abnd Date
		4228			4230			4120		Lower Perf
	5 1/2	8 5/8		5 1/2	8 5/8		5 1/2	8 5/8		Csg Size
	7 7/8	11		7 7/8	11 1/4		7 7/8	12 1/4		Hole Size
	4302	352		4248	321		4265	309		Depth
	750	180		425	150		1355	300		Sx s /Cmt
	2162	SURF		2710	SURF		2804	SURF		10C
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					SCHEMATIC					Comments

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		843 FNL				1605 FSL				2304 FNL				145 FSL				10 FNL				1200 FNL				10 FNL			1260 FNL				1260 FSL	-	N/S Dir
		30025354670000				30025353700000				30025098760000				30025290620000				30025288790000				30025284140000				30025291300000			30025291290000				30025290980000		Ap.
		охү				OXY				OXY				oxr				oχγ				охү				ОХҮ			охү				охү		Operator Name
		NHGSU				NHGSU				NHGSU				NHGSU				NHGSU				NHGSU				NHGSU			NHGSU				NHGSU		Lease Name
		611				613				221				342				414				413				312			212				442		Well #
										잍				WIW				읃				읃				이			OIL				인		Status
										10/14/1934				03/31/1985				11/26/1984				11/14/1984				05/20/1985			05/23/1985				03/30/1985		Comp Date
		4440				4435				4260				4371				4370		Γ		4400				4370			4370				4384		ਰੋ
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5 1/2	8 5/8	14		5 1/2	8 5/8	14	5 1/2	7	9 5/8	12 1/2		7	9 5/8	13 3/8		5 1/2	8 5/8	13 3/8		5 1/2	8 5/8	16		7	9 5/8	13 38	7		13 3/8		7	9 5/8	13 3/8		Csg Size
7 7/8	12 1/4	18		7 7/8	12 1/4	18		8 3/4	12 1/4	16		8 3/4	12 1/4	17 1/2		7 7/8	12 1/4	17 1/2			12 1/4	20		8 3/4	12 1/4	17 1/2	 8 3/4		17 1/2	,	8 3/4	12 1/4	17 1/2		Hole Size
4440	1497	40		4438	1500	40	4259	4030	2802	225		4371	1531	40		4370	1512	40		4400	1520	40		4369	1500	40	4368	1500	40		4384	1527	40		Depth
850	850	50		1000	950	50	100	250	150	150		850	600	40		730	711	NA A		775	750	N/A		950	600	40	850	600	200		576	375	N/A		Sxs/Cmt
SURF	SURF	SURF		SURF	SURF	SURF	3953	3005	SURF	SURF		SURF	SURF	SURF		SURF	SURF	SURF		SURF	SURF	N/A		SURF	SURF	SURF	SURF	SURF	SURF		SURF	SURF	SURF		100
CIRC	CIRC	CIRC		CIRC	CIRC	OCD	CBL	CBL	CIRC	CALC		CIRC	CIRC	OCD		CIRC	CIRC	CIRC		CIRC	CIRC	N/A		CIRC	CIRC	02D	CIRC	CIRC	CIRC		CIRC	CIRC	N/A		Source
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			37		37					37				37				37				37			37		37			37		Rgn
			330 FEL		990 FWL					990 FWL				610 FEL				2310 FEL				1980 FWL			760 FEL		990 FEL			2600 FWL		EW Dir
			2310 FNL		330 FNL					1650 FNL				410 FNL				330 FSL				660 FNL			1980 FNL		990 FNL			1300 FSL		N'S Dir
	;		30025054780000		30025054770000					30025054760000				30025347880000				30025054900000				30025070470000			30025230810000		30025235220000			30025268320000		A PI
			OXY		ОХҮ					ОХҮ				TEXACO				ОХҮ				охү			oxy		OXY			OXY		Operator Name
			NHGSU		NHGSU					NHGSU				NM STATE				NHGSU				NHGSU		NCT-A	NHGSU		NHGSU			NHGSU		Lease Name
			422		111					121				_				341				211			421		411			242		Well #
			앝		잍					WW				TΑ	L			읃				OIL			OIL		OIL			WIW		Status
			09/09/1930		08/29/1935					01/29/1935				04/30/2000				05/14/1933				03/31/1935			05/26/1969		07/06/1970			02/05/1981		Comp Date
П			4225		4105					4319				8650				4225				4260			6107		4283			4443		ਰ
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		오	4225	오	4105				PERF & OF					6094			오	4225			오	4260					4260			4209	_	Lwr perf
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	8 3/4		16	8 3/4	15		7 7/8	8 3/4	12 1/4	6		7 7/8	=======================================	14 3/4		8 3/4	12 1/4	16			12 1/4	16	7 7/8		17 1/2		12 1/4	7 7/8	12 1/4	20	4	Hole Size
	4085	2806	277	3998	214		4249	4053	2821	228		8650	5072	415		3896	2808	208		4010	1598	257	6106	3903	408	4283	322	4443	1600	40		Depth
	325	600	200	500	240		100	400	4 50	250		1620	670	290		308	400	200		250	200	150	685	500	400	265	210	1350	785	40		Sxg/Cmt
	2183	675		1071	SURF		4012	3214	1557	SURF		422	SURF	CIRC		2093	1874	SURF		2547	1036	14	2627	2172	CIRC	2524	SURF	SURF	SURF	SURF	7	10 C
	CALC	CALC		CALC	CALC		CIRC	CBL	CALC	CALC		CALC	CIRC	OCD		CALC	CALC	ОСД		CALC	CALC	CALC	CALC	CALC	OCD	CBL	CIRC	CALC	CIRC	CALC		Source
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						330 FEL				1315 FWL				1308 FWL				2310 FWL				2310 FWL					1980 FEL			i	1280 FEL				330 FEL		EW Dir
						330 FSL				1315 FSL				2310 FSL				1980 FSL				330 FSL					660 FNL				2480 FSL				330 FNL		N/S Dir
						30025054860000				30025054850000				30025054840000				30025054830000				30025054820000					30025054810000				30025290730000				30025054790000		ĄP
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						NHGSU				NHGSU				NHGSU				NHGSU				NHGSU					NHGSU				NHGSU				NHGSU		Lease Name
						441				141				131				231				241					311				432				412		Weil #
			!			OIL				인				읃				ᅇ				OIL					WIW				OIL				10&1G		Status
						07/03/1930				10/24/1935				04/16/1935				06/26/1934				06/26/1934					08/16/1935				04/26/1985				08/18/1932		Comp Date
<u> </u>	П					4214				4270				4200				4171				4188					4290	7	1		4370				4217		Ð.
																																					Abnd Date
					연	4214			오	4218				4200			오	4171			오	4188					4230				4133			운	4217		Lwr perf
			7	9	12	20		5	7	12 1/2		5	7	12 1/2		7	9 5/8	12 1/2			9 5/8	12 1/2		4 1/2		9 5/8	13	-		9 5/8	13 3/8		7	9 5/8	13 3/8	┢╼	Cag Size
			8 1/4	11 3/4	15 1/2	22		6 1/4	8 3/4	16		6 1/4	8 5/8	17 1/2		8 3/4	12 1/4	16			11 3/4	16		6 1/4		12 1/4	17 1/2		8 3/4		17 1/2		8 3/4	12 1/4	17 1/2		Hole Size
			3880	2815	1521	105		4218	4035	211		4200	4002	219		3983	2823	212		3930	2840	215		4288	3977	1588	281	188	4368	1534	40		3975	2795	230		Depth
			200	700	300	125		36	800	175		40	500	150		150	200	150		150	200	150		150	320	400	225		550	425	N/A		250	250	200		Sxs/Cmt
			2187	836	SURF	SURF		3962	2604	SURF		3942	2692	SURF		3105	2261			3052	2130			3002	1728	464	16		SURF	SURF			2512	2093			100
			CALC	CALC	CIRC	CIRC		CALC	CBL	CIRC		CALC	CBL	CIRC		CALC	CALC	OCD		CALC	CALC	OCD		CALC	CALC	CALC	CALC	Silve		CIRC			CALC	CALC	ОСВ		Source
								TOL=3962				TOL=3942																									Comments

Ţ	Τ	Т	31	Γ-	Г	30			29		Γ	28	
	T		24			24			24		Γ	24	Sec
ŀ			18			18			18			18	Тwp
			37			37			37			37	Rgn
			2310 FEL			2316 FWL			1325 FEL			330 FEL	E/W D ir
			2310 FNL			2304 FNL			1320 FSL			2310 FSL	NS Dir
			30025054800000			30025098760002			30025054880000			30025054870000	API
			oxy			OXY			OXY			OXY	Operator Name
			NHGSU			NHGSU			NHGSU			NHGSU	Lease Name
			321			221			331			431	Well #
			잍			WW			ᅇ			Oil	Status
			08/30/1934			01/25/2000			06/16/1932			11/14/1930	Comp Date
			4219			4260			4210			4218	ਰ
													Abnd Date
		오	4219					오	4227		오	4218	Lwr perf
	7	8/5 6	13 3/8	5 1/2	8 5/8	13 3/8	7	8	12 1/2	7	9	12 1/2	Csg Size
	8 3/4	1	16	7 3/8	12 1/4	16	8 3/4	11	16	8 3/4	11 3/4	16	Hole Size
	3930	2815	241	6106	3903	408	3878	2810	215	3951	2782	221	Depth
	250	315	350	385	500	400	300	400	200	250	510	180	Sxs/Cmt
	2467	1930		3533	2837	SURF	SURF	1197	SURF	SURF	1340	SURF	T 00
	CALC	CALC	oco	CALC	CALC	CALC	CBL	CALC	CIRC	CIRC	CALC	CIRC	Source
													Comments

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 -	\vdash	╁	8	\vdash	-	5	\vdash	-	<u> ∞</u>	\vdash	-	7	\vdash	\vdash	6	\vdash	-	5	\vdash	+	_	\vdash	-	w	\vdash	_	\vdash	N	\vdash	├-	+	-	H	S ec
H	├	┞	25		-	25	\vdash	┞	25	\vdash	-	25	├	┝	25	\vdash		25	\vdash	}-	25	-	-	25	\vdash	-	┡	25	╀	╀	┝	25	\vdash	c Twp
L	L	L	8	L	Ļ.	8	<u> </u>	L	18	L	L	8	L	Ļ	<u></u>	L	_	8	L	L	8	_	Ļ.	<u></u>	L	_	L	18	L	L	Ļ	<u></u>		
	L	L	37		L	37	L	L	37		L	37,		L	37			37	L		37	L	L	37 9		_	L	37	L	L		37	L	Rgn
			1980 FEL			330 FEL			1650 FEL			2310 FWL			330 FEL			1650 FEL			2310 FWL			990 FWL				1300FEL				330 FEL		E/W Dir
			1980 FNL			2200 FSL			660 FSL			2310 FSL			990 FSL			1980 FSL			990 FSL			1650 FNL				1550 FNL				2310 FNL		NS Dir
			30025055050000			30025054950000 PLUGGED			30025054970000 OXY			30025054980000			30025054990000			30025055000000			30025055010000			30025055020000				30025269330000 OXY				30025055040000		ΑPI
			ОХҮ			PLUGGED			ОХҮ			OXY			OXY			OXY			ОХҮ			OXY				OXY				OXY		Operator Name
			NHGSU			NM STATE A			NHGSU			NHGSU			NHGSU			NHGSU			NHGSU			NHGSU				NHGSU				NHGSU		Lease Name
			321	i i		4			341			231			441			331			241			121				422				421		Well #
			잍			D&A			WIW			WIW			ဋ			앝			인			WIW				WIW				잍		Status
			12/10/1930			08/22/1948			12/05/1953			03/01/1955			04/04/1955			02/18/1958			07/29/1958			01/09/1958				12/04/1981				09/24/1930		Comp Date
			4240			4270			4220			4253			4188			4110			4240			4261				4510		l		4210		ਰ
						08/22/1948																												Abnd Date
		유	4240						4210			4212			4137			4098			4238			4236							오	4210		Lwr/Perf
	7	9	12 1/2		5 1/2	8 5/8		5 1/2	8 5/8		5 1/2	8 5/8		5 1/2	8 5/8		5 1/2	8 5/8		5 1/2	8 5/8		5 1/2	8 5/8		5 1/2	8 5/8	16		7	80	12 1/2		Cşg Size
	8 3/4	12 1/4	16		7 7/8	11		7 7/8	11		6 3/4	111		6 3/4	11		7 7/8	11		7 7/8	11		7 7/8	12 1/4		7 7/8	12 1/2	20		8 3/4	12 1/4	16		Hole Size
	3935	2750	224		3189	252		4220	1639		4252	1800		4187	344		4110	365		4240	350		4260	287		4510	1600	40		3932	2763	220		Depth
	200	600	200		1325	150		1100	900		1250	1000		1450	225		1500	200		1500	225		250	250		1000	850	40		200	8	175		Sxs/Cm1
	2764	1348	SURF		SURF	SURF		440	SURF		SURF	SURF		SURF	SURF		SURF	SURF		1375	SURF		2950	SURF		SURF	SURF	SURF		2761	1361			тос
	CALC	CALC	OCD		CIRC	OCD		CBL	1100		CALC	OCD		CALC	OCD		CIRC	OCD		тѕ	OCD		CBL	CIRC		CBL	CIRC	CIRC		CALC	CALC	OCD		Source
						SCHEMATIC																												Comments

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\vdash	-	_	18	_		18		-		18					8		-	\vdash	18	_	L	18	H	_	_	L	18		-	L	8		Rgn
-	_		37 2			37 60		L	_	37 33				L	37 33		_	L	37 19	L	L	37 2:	Н	L	_	L	37 3		_	_	37 2	L	
			2310 FEL			660 FWL				330 FEL					330 FEL				1980 FEL			2310 FWL					330 FEL				2310 FWL		EW Dir
\mid	H	_			_			-	\vdash	231			_	-	330	-	H	\vdash	Ĺ	H	-			_			330		┝	H		H	N.
			330 FNL			660 FNL			L	2310 FSL					330 FSL				1980 FSL	L		1980 FNL				_	330 FNL				330 FNL		N'S Dir
			30025055060000			30025054910000				30025054920000 OXY					30025054930000 RICE				30025054940000			30025054960000					30025055030000				3002505		AP _I
			060000			1910000				1920000					930000				940000			960000					5030000				90000		
			OXY			OXY				ОХҮ				Engineering	RICE				PLUGGED			OXY					OXY				30025054890000 PLUGGED		Operator Name
			NHGSU			NHGSU				NHGSU				Salt Wtr Dis	HOBBS				STATE A			NHGSU					NHGSU				STATE B-25		Lease Name
-			311			===				431					25-P				3			221					411				_		Well #
			애			잍				OIL					SWD				P&A			앤					OIL				P&A		Status
			03/14/1933			04/17/1957				10/22/1930					11/26/1930				11/29/1930			10/14/1935					08/15/1930				09/29/1933		Comp Date
\mid	-		4232			4200				4215					4230				4220			4343					4259				4225		ਰੋ
														Reentered 1947	01/22/1937				03/18/1947												10/07/1997		Abnd Date
		암	4232			4094				오					4230				4220			4166					4206				4225		Lwr/Perf
	7	9 5/8	12 1/4		5 1/2	8 5/8		7	9 5/8	12 1/2		5	7	9 5/8	12 1/2		7	9 5/8	12 1/2		7	12 1/2		4 1/2	6 1/4	8 1/4	12 1/2		7	9 5/8	15 1/2	-	Csg Size
	8 3/4	11 3/4	15		7 7/8	12 1/4		8 3/4	11 3/4	16		6 1/4	8 3/4	11 3/4	16		8 1/4	12	18		8 3/4	16		6	7 7/8	9 7/8	16						Hole Size
	3934	2758	204		4199	302		4045	2750	245		4753	4110	2750	208		4116	2823	207		4037	210		4257	3969	2750	220		4026	2767	214		Depth
	200	600	200		1500	250		300	650	250		1200	350	650	250		350	650	250		500	175		50	200	600	200		325	600	225		Sxs/Cmf
	2763	SURF	SURF		1250	SURF		SURF	SURF	SURF	l	SURF	SURF	441	SURF		SURF	SURF	SURF		1110	SURF		3869	2926	SURF	SURF		SURF	SURF	SURF		TOC
	CALC	CIRC	OCD		TS	OCD		CIRC	CIRC	OCD		CALC	CIRC	CALC	OCD		CIRC	CIRC	ОХҮ		CALC	OCD		CALC	CBL	CALC	CIRC		CIRC	CIRC	OCD		Source
																			SCHEMATIC					TOL=3869							SCHEMATIC		Comments

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		26			26		26		26		2 8 C
		18	1	٦	18		18		18		Twp
		8 37	1	\neg					8 37		70 99
,		7 990 FWL			37 1900 FEL		37 1650 FEL		7 330 FEL		E/W Dir
		335 FNL			330 FNL		330 FNL		330 FNL		N/S Dir
		3002505508 PLUGGED			30025251160000 OXY		30025055070000 PLUGGED		30025055090000 OXY		API
		PLUGGED			OXY		PLUGGED		ОХҮ		Operator Name
		PAN AM STATE			NHGSU		GULF-STATE		NHGSU		Lease Name
		-			311		1		411		Well #
		P&A			OIL		P&A		OIL		Current Status
		17301			10/24/1975		12/07/1956		10/01/1956		Comp Date
		4358			4329		4268		4256		ਰ
		1947					06/18/1965				Abnd Date
					4228		4256		4241		Lower Perf
	5 1/2	8 5/8		4 1/2	8 5/8	4 1/2	8 5/8	5 1/2	8 5/8		Csg Size
				7 7/8	12 1/4			7 7/8	11		Hole Size
	4256	300		4329	353	4263	337	4256	393		Depth
	450	150		425	225	250	200	400	200		Sxs/Cmt
				2687	SURF	_	SURF	2796	SURF		10C
		8		CALC	CIRC		8 8 8	CBL	CIRC		Source
		SCHEMATIC					SCHEMATIC				Comments

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		28	T		T		22				T	28			<u> </u>	28		T	28	T	T	28	-	T			28		T	T	28	r	Sec
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Γ		38					38		-			38				38			32			38					38	Γ	T	T	38		Rgm
		1650 FWL					2310 FWL					2310 FEL				731 FWL			750 FWL	,		1650 FWL					330 FWEL				330 FWL		EW Dir
		2310 FNL					330 FNL					330 FSL				731 FSL			1880 FSL			1910 FNL					330 FSL				2310 FSL		NS Dir
		30025074270000					30025124980000					30025124890000				30025232460000			30025232770000			30025074290000					30025124960000				30025124970000		A PI
		PLUGGED					ОХҮ					охү				ОХҮ			OXY			охү					охү				OXY		Operator Name
		GRIMES					NHGSU					NHGSU				NHGSU			NHGSU			NHGSU					NHGSU				NHGSU		Lease Name
		2					241					341		_	_	142	L		132	_		221					141				131	┢	# ####################################
		P&A					잍					인				앝			읃			인					OIL-WO				일		Status
		11/28/1932					09/08/1934					07/27/1934				10/05/1969			10/01/1969			02/20/1959					09/28/1930				09/29/1930		Comp Date
		4223					4230					4217				7102			7150			4318					4232				4190		큥
		05/18/1959																															Abnd Date
		4223					4230					4217				6956			6623		PERF & OH	4153					4225				4190		Lwr Perf
6 5/8	10 3/4	15 1/2		5 1/2	7	9 5/8	12 1/2		5	7	9 5/8	13 3/8		7	9 5/8	13 3/8	7	9 5/8	13 3/8		7	10 3/4	4	5	7	9 5/8	12 1/2	5 1/2	7	9 5/8	12 1/2		Csg Size
	12 1/4	18		6 1/4	8 3/4	11 1/2	16		6 1/4	8 3/4	12 1/4	17 1/2		8 3/4	12 1/4	17 1/2	8 3/4	12	17 1/2		8 3/4	15	 4 3/4	6 1/2	8 3/4	12	16	7 7/8	8 3/4	12	16		Hole Size
3974	2710	238		4229	3935	2770	256		4276	3975	1637	222		7102	3787	372	7143	3816	352		4242	581	4233	4228	3960	2750	236	4233	3973	2751	238		Depth
250	700	200		100	250	150	150		188	400	300	180		720	1400	350	335	1400	200		682	600	100	65	350	475	225	100	225	600	200		Sxs/Cmt
	SURF	SURF		2398	2472	2159	SURF		4009	2912	794	SURF		2887	SURF	SURF	3611	SURF	SURF		SURF	SURF	3932	3620	1911	SURF	SURF	3932	3086	SURF	SURF	Н	100
	CIRC	OCD		CALC	CALC	CALC	OCD		CBL	CBL	CALC	CIRC		CALC	CIRC	CIRC	CALC	CALC	CIRC		СВГ	CIRC	CALC	CALC	CALC	CIRC	CIRC	CBL	CBL	CIRC	CIRC		Source
		SCHEMATIC							TOL=3928								TOL=3611						TOL=3932					TOL=3932					Comments

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	28				22			28			28					28				28					28		ľ	28			Sec
	1 8				1 di			18			18					18				18					18			18			Twp
	38				38			88			38					38				38					38			38			Rgn
	1120 FEL				1325 FWL			2310 FWL			2310 FEL					330 FWL	,			1790 FWL					330 FWL			1823 FWL			EW Dir
	1315 FNL				1325 FSL			990 FNL			2310 FNL					990 FNL				750 FSL					2310 FNL			1166 FSL			N/S Dir
	30025074190000				30025074210000			30025074250000			30025074160000					30025074220000				30025233040000					30025074200000			30025292760000			API
	οχγ				ОХҮ			охү			oxr					OXY				OXY					ΟΧΥ			ОХҮ			Operator Name
	NHGSU				NHGSU			NHGSU			NHGSU					NHGSU				NHGSU					NHGSU			NHGSU			Lease Name
	411				231			211			321					Ħ				243					121			242			Well #
	잍				읃			WIW			ၔၞ			<u> </u> 		읃				읃					잍			잁			Status
	04/28/1936				11/14/1933			09/28/1935			02/13/1935					07/27/1934				10/19/1969					09/21/1930			09/02/1985			Comp Date
	4225				4231			4220			4200					4234				6350					4191			4475			Ð
																															Abnd Date
오	4225				4200		오	4220		НО	4200					4210				5890					4191			4200			Lwr Perf
7	12 1/2	5 1/2	7	9 5/8	15 1/2	7	10 3/4	15 1/2		7	12 1/2	4 1/2	7	10 3/4	13	15 1/2		7	9 5/8	13 3/8		4 1/2	7	9 5/8	12 1/2	7	9 5/8	13 3/8		⊢	Cag Siza
8 3/4	16	6 1/4	8 3/4	12 1/4	6	8 3/4	15	18		8 3/4	16	6 1/4	8 3/4	11 1/2	14 3/4	18		8 3/4	12 1/4	17 1/2			8 3/4	11 3/4	16	8 3/4	12 1/4	17 1/2			Hole Size
4133	227	4230	3955	2750	246	4036	2733	243		4000	264	4234	3996	2731	296	296		6350	3805	348		4250	3942	2750	228	4470	1509	\$			Depth
750	160	100	250	150	150	720	200	300		500	150	క	250	150	200	200		497	1400	250		65	300	700	245	1005	650	å			Sxs/Cmt
2550	SURF	3918	3027	2329	SURF	2715	2438	SURF		1073	SURF	3913	2244	2304		SURF		3602	SURF	SURF		3893	3065	SURF	SURF	SURF	SURF	SURF		Ц.	ТОС
CBL	CIRC	CALC	CBL	CALC	CALC	TS	CALC	CIRC		CALC	CIRC	CALC	CALC	CALC		CIRC		CIRC	CALC	ОСО		CBL	CBL	CIRC	CIRC	CIRC	CIRC	8 8 8		L	Source
		TOL=3918										TOL=3913						TOL=3602				TOL=3893									Comments

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			28			28			28				28				28				28		28		Sec
			18	L		<u></u>	L		歳		L		ā			L	<u></u>				18		1 8		Twp
			38		L	8			38				38			L	38				38		8		Rgn
			1800 FEL			1764 FEL			2310 FEL		,		2310 FEL				211 FWL				1350 FWL		1120 FEL		E/W Dir
			2740 FNL			202 FNL			1315 FNL				1650 FSL				1579 FNL				2300 FSL		2310 FNL		N/S Dir
			3002531655000			30025299310000			30025074170000				30025074120000				30025289640000				30025288820000		30025074180000		API
			OXY			ОХҮ			ОХҮ				ОХҮ				ОХҮ				ОХҮ		OXY		Operator Name
			NHGSA			NHGSU			NHGSU				NHGSU				NHGSU				NHGSU		NHGSU		Lease Name
			332			342			311				331				122				232		421		Well #
			WIW			읃			인			L	잍				읃				WIW		읃		Status
						07/23/1987			07/07/1935				05/13/1935				12/31/1984				11/27/1984		05/30/1935		Comp Date
	1		4455			4570			4217				4225				4370				4370		4216		ਰ
																									Abnd Date
						4468		어	4217			오	4225				4191					오	4216		Lwr Perf
5 1/2		8 5/8	13 3/8		7	9 5/8		7	12 1/2		5 1/2	7 5/8	10 3/4		5 1/2	8 5/8	13 3/8		5 1/2	8 5/8	13 3/8	7	12 1/2		Csg Size
/ //8		12 1/4	17 1/2		8 3/4	12 1/4		8 3/4	16		6 1/4	9 5/8	13 1/2		7 7/8	12 1/4	17 1/2		7 7/8	12 1/4	17 1/2	8 3/4	16		Hole Size
1430		1611	40		4569	1655		4103	235		4015	1635	245		4384	1525	40		4370	1520	40	4020	235		Depth
850	25	850			1050	675		500	150		300	300	150		740	675	NA		1000	720	40	200	150		Sxs/Cmt
SURF		SURE	SURF		SURF	SURF		2820	SURF		2662	232	SURF		300	SURF	SURF		SURF	SURF	SURF	2677	SURF	Н	700
CIRC		CIRC C			CIRC	000		СВГ	CIRC		CBL	CALC	CIRC		CBL	CIRC	CIRC		CIRC	CIRC	ОСВ	CBL	CIRC		Source
																									Comments

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		8 38				8 38			8 38			8 38	П			38				8 38		_	38		1	٦	38			<u> </u>		H	73 69
		8 2500 FEL				8 990 FWL			8 2067 FEL			8 1850 FWL				8 660 FWL			,	8 1830 FEL			8 330 FWL				8 557 FEL			-	38 1650 FWL	_	EW Dir
		2540 FNL				2150 FSL			753 FSL			660 FSL				1980 FNL		 		1980 FNL			990 FNL				1879 FSL				2130 FNL	۳	NS Dir
		30025289410000				30025231310000			30025353840000 OXY			30025229340000				30025231760000 PLUGGED				30025236200000			30025239190000				30025234000000				30025235850000		API
		охү				TEXLAND			OXY			TEXLAND				PLUGGED				MARCUM			OXY				BURLESON				MARCUM		Operator Name
		NHGSU				BOWERS FED A			NHGSU			STATE A29				BOWERS FED A				HOBBS STATE			NHGSU				GRIMES WD				HOBBS-STATE		Lease Name
		323				29			634			7				31				2			111				٥				1		Weil #
		잍				인			阜			인				P&A				OIL			인				읃				OIL		Status
		03/23/1985				06/01/1969			5/9/201			02/12/1969				07/19/1969				01/05/1971			12/01/1971				02/01/1970				10/14/1970		Comp Date
		4370				6000			4316			6050				7050				7075			4331				7050				7050		đ
								i								08/03/1990																	Abnd Date
		3995				5837			4218			5823				6991				6705		НО	4250				6954				6680		Lwriperf
5 1/2	8 5/8	13 3/8		4 1/2	8 5/8	11 3/4	5 1/2	8 5/8	14	5 1/2	8 5/8	11 3/4		5 1/2	8 5/8	11 3/4		4 1/2	7	8/5 6		5 1/2	8 5/8				13 3/8		5 1/2	8 5/8	12 3/4		Csg Size
	12 1/4	17 1/2		7 7/8	11	15	7 7/8	12 1/4	18	7 7/8	11	15		7 7/8	11			6 1/8	8 3/4	12 3/4		7 7/8	11				17 1/2		7 7/8	11	17 1/2		Hole Size
4370	1542	40		6000	3849	370	4316	1503	40	6050	3800	360		7038	3836	372		7075	3850	358		3905	310		7049	3847	377		7050	3795	356		Depth
450	375	NA		450	300	300	780	850	50	405	240	250		650	500	300		425	250	200		300	150		540	2300	400		700	300	200		sxs/cmt
575	CIRC	SURF		3700	1800	SURF	SURF	SURF	SURF	3300	2515	SURF						3103	2387	SURF		2381	SURF		2200	SURF	SURF		8986	2757	SURF		T0C
CBL		CIRC		OPER C-108 (TS)	OPER C-108 (TS)	OPER C-108	CIRC	CIRC	CIRC	OPER C-108 (TS)	OPER C-108 (TS)	OPER C-108				DWI		CALC	CALC	CIRC		CALC	CIRC		TS.	CIRC	CIRC		CBL	CALC	OCD		Source
																SCHEMATIC																	Comments

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		29			29			28			L	28				28	L			L	8	L	29			L	29		Sec
		18			18			<u>a</u>	L		L.	1		L	L	<u></u>					<u></u>	_	18				18	_	Twp
		38			38			88				38	L			38			L		8	L	38				38		Rgn
		1850 FWL		i	1400 FWL			2350 FEL				2500 FEL				990 FEL					2218 FEL		1745 FWL				660 FEL		EW Dir
		1370 FNL			100 FSL			1430 FNL				1230 FSL				990 FSL					330 FSL		1880 FNL				330 FSL		N/S Dir
		30025269340000			30025284130000			30025288830000				30025288840000				30025074420000					30025231730000		30025128020000				30025232520000		API
		OXY			OXY			OXY				OXY				PLUGGED					TEXLAND		RICE OPER				TEXLAND		Operator Name
		NHGSU			NHGSU			NHGSU				NHGSU				STATE 1-29					STATE 1		HOBBS SWD 'F'				STATE 1		Lease Name
		222			242			322				342				-					5						6		Weil #
		WIW			OIL			ဝူ				MW				P&A					욛		SWD				읃		Status
		05/28/1981			10/24/1984			12/13/1984				12/22/1984				08/21/1930					07/18/1969		04/09/1960				10/01/1969		Comp Date
		4510			4370			4384				4375				4191					7025						7015		ਰ
																11/25/1989													Abnd Date
					4257			4163			!					4191					6930						5939		Lwr/perf
5 1/2	8 5/8	16	5 1/2	8 5/8	16	5 1/2	8 5/8	13 3/8		5 1/2	8 5/8	13 3/8		6 5/8	9	13 3/8		2 7/8	6 5/8	8 5/8	11 3/4	7	9 5/8	5 1/2	7	9 5/8	13 3/8		Csg Size
7 7/8	12 1/4	20	7 7/8	12 1/4	20	7 7/8	12 1/4	17 1/2		7 7/8	12 1/4	17 1/2		7 7/8	12 1/4	17 1/2		5 1/2	7 7/8	=	17 1/2	8 3/4	12 1/4	6 1/4	8 3/8	12 1/4	17 1/2		Hote Size
4510	1605	40	4368	1511	30	4384	1520	8		4375	1520	40		3907	2735	217		7022	6020	3808	364	4700	400	7013	6501	3800	378		Depth
1050	950	40	750	750	NA	850	620	₹		875	620	NA		174	500	200		530	530	300	70	700	300	700	700	600	400		sxs/cmt
SURF	SURF	SURF	2330	SURF	SURF	SURF	SURF	SURF		SURF	SURF	N/A		2374***	1473***	SURF		3578	3578	2600	CIRC	602	SURF	3549	3549	2000	CIRC		10c
CIRC	CIRC	CIRC	CBL	CIRC	CIRC	CIRC	CIRC	CIRC		CIRC	CIRC	N/A				CIRC		OPER C-108	OPER C-108	OPER C-108	OPER C-108	CALC	CALC	OPER C-108	OPER C-108	OPER C-108 (CALC)	OPER C-108		Source
																SCHEMATIC		TOL=3578	TOL=3578					TOL=3549	TOL=3549				Comments

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			8 1650 FEL				38 1218 FWL				38 990 FEL		<u> </u>		8 180 FWL			38 1948 FWL	,			38 2482 FWL				38 1800 FWL				38 1050 FEL		-	- EW Dir
			990 FSDL				1623 FSL				1650 FNL				1600 FNL			1150 FSL				1837 FSL			-	. 2150 FSL				925 FSL		┪	N/S D#
			30025074430000				30025269170000				30025074600000				30025289530000			30025348700000				30025348690000				30025230480000				30025346440000			3
			PLUGGED				OXY				PLUGGED				OXY			OXY				OXY				TEXLAND				oxr			Operator Name
			STATE 1-29				NHGSU				GRIMES				NHGSU			NHGSU				NHGSU				STATE A29				NHGSU			Lease Name
			2				132				5				122			624				623				8				544			¥e=
			P&A		L		잍				P&A				잍			잍		L		잍				OIL				OIL			Status
			09/24/1930				03/09/1981				01/12/1931				02/14/1985			04/08/2000				05/30/2000				04/21/1969				09/17/1999			Comp Date
			4171				4510				4200				4370			4410				4405				5960				4400			ਰੋ
			11/30/1989								01/30/1981																						Abnd Date
			4171				4318				4200				4136			4284				4258				5796				4256			Lwr/perf
	7	9 5/8	13		5 1/2	8 5/8	16		7	8/5 6	12 1/2		5 1/2		13 3/8	5 1/2	8 5/8	14		5 1/2	8 5/8	14		5 1/2	8 5/8	11 3/4		5 1/2	8 5/8	14		-+	Csg Size
	8 3/4	12 1/4	17 1/2		7 7/8	12 1/4	20		8 3/4		17 1/2		7 7/8		17 1/2	7 7/8	12 1/4	18		7 7/8	12 1/4	18		7 7/8	11	15		7 7/8	12 1/4	18			Hole Size
	3951	2810	1900		4510	1595	40		3911	2715	214		4370	1510	40	4410	1553	40		4405	1580	40		5960	3800	360		4400	1565	40			Depth
	300	725	150		900	785	40		400	600	250		350	500	₹	1000	725	50		985	750	50		405	240	250		775	725	50			sxs/cmt
	1973***	SURF	SURF		90	SURF	SURF		595**	277**	SURF		SURF	SURF	SURF	SURF	CIRC	SURF		SURF	SURF	SURF		2900	2550	SURF		SURF	SURF	SURF			100
		CIRC	CIRC		CBL	CIRC	CIRC				CIRC		CIRC	CIRC	CIRC	CIRC	OCD	CIRC		CIRC	CIRC	OCD		OPER C-108 (TS)	OPER C-108 (TS)	OPER C-108		CIRC	CIRC	CIRC			Source
			SCHEMATIC								SCHEMATIC																						Comments

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				18			18					18				a					168			18				1	Twp
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				2310 FWL			1650 FEL					2310 FWL	!			1650 FWL	,				1650 FEL			469 FWL				1830 FEL	E/W Dir
				330 FNL			1650 FSL					330 FSL				2310 FSL					2310 FNL			1450 FSL				990 FNL	N/S Dir
				30025074330000				30025074360000				30025074370000 OXY				30025074380000					30025074310000			30025348710000	i i			30025236210000 HRC INC	API
				OXY				OXY				OXY				OXY					OXY			OXY				HRC INC	Operator Name
				NHGSU				NHGSU				NHGSU				NHGSU					NHGSU			NHGSU				HOBBS STATE	Lease Name
				211				331				241				231					321			813				3	well#
				OIL				₽				OIL				읃					잍			잍				Α̈́	Status
				11/07/1930				09/29/1930				10/11/1930				10/13/1930					09/25/1930			06/29/2000				03/15/1971	Comp Date
				4214				434 0				4299				4208					4309			4400				6083	TD .
																													Abnd Date
				4214				4178				4184				4208					4207			4288					Lwriperf
	5 1/2	7	9 5/8	12 1/2	4 1/2	7	9 5/8	12 1/2	5 1/2	7	9 5/8	12 1/2	5	7	9 5/8	15 1/2		5	7	9 5/8	12 1/2	5 1/2	8 5/8	14		4 1/2	7	9 5/8	Cag Size
	6 1/4	8 3/4	12	18	6 1/4	8 3/4	11 3/4	16	6 1/4	8 3/4	12	18	6 1/4	8 3/4	12 1/4	18		6 1/4	8 3/4	11 3/4	16	7 7/8	12 1/4	18		6 1/4	8 3/4	12 1/2	Hole Size
	4228	4007	2796	243	4270	3929	2742	234	4299	3929	2730	217	4220	3953	2729	252		4308	3995	2756	211	4400	1542	40		6083	200	370	Depth
	50	500	400	250	750	300	500	170	60	300	500	160	50	300	600	1000		100	300	250	250	1000	700	50		200	3850	200	sxs/cmt
	4145	3014	SURF	SURF	3788	2173	966 6	SURF	3822	1850	1159	SURF	3907	2197	SURF	SURF		3894	2930	1868	SURF	SURF	SURF	SURF		4368	2300	SURF	TOC
	CBL	CBL	CIRC	CIRC	CBL	CALC	CALC	CALC	CALC	CBL	CALC	CIRC	CALC	CALC	CIRC	CIRC		CBL	CBL	CALC	CIRC	CIRC	CIRC	ОСВ		CALC	TS.	OCD	Source
	TOL=3957								· TOL=3822				TOL=3907					TOL=3812											Comments

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				990 FEL					330 FEL					330 FEL					1650 FWL		,			330 FEL				1650 FEL			220 FEL		EW Dir
	1			2310 FNL					2310 FSL					2310 FNL					2310 FNL					330 FSL				990 FNL			1230 FSDL	┝	NS Dir
				30025074570000					30025074580000					30025074590000 PLUGGED					30025074300000					30025074440000				30025074320000			30025288850000		API
				PLUGGED					OXY					PLUGGED					oxr					OXY				OXY			OXY		Operator Name
				WD GRIMES					NHGSU					NHGSU					NHGSU					NHGSU				NHGSU			NHGSU		Lease Name
	1			2					431					421					221					441				311			442		Well #
				OIL					인					ᅇ					ᅂ					OIL				OIL			ᅇ		Status
				09/15/1930					10/13/1930					11/28/1930					09/14/1930					10/29/1930				10/30/1930			07/21/1985		Comp Date
				4176					4190					4194					4214					4175				4191			4370		đ
				01/19/1982										09/22/2000																			Abnd Date
				4176					4190					4194					4214					4175				4191			4093		Lwriperf
2/1/2	- 1		9 5/8	15 1/2		5 1/2	7	9 5/8	15 1/2		5 1/2	7	9 5/8	12 1/2		4 1/2	7	9 5/8	12 1/2		5	7	9 5/8	13 3/8	5 1/2	7	9 5/8	12 1/2	7	9 5/8	13 3/8		Csg Size
	0 3/4			17 1/2		6 1/4	8 3/4	12 1/4	18		6 1/4	8 3/4	11 3/4	16	. ,	6 1/8	8 3/4	12	18		6 1/2	8 3/4	12	18	6 1/4	8 3/4	11 3/4	16	7 7/8	12 1/4	17 1/2	-	Hole Size
41/6	376	UBBE	2754	218		4229	3900	2720	228		4236	3880	2720	220		4213	3979	2704	210		4172	3950	2743	232	4234	4008	2776	241	4370	1536	\$		Depth
100	3 8	ĝ	600	200		120	400	600	200		50	300	600	200		50	500	400	200		22	300	1400	150	350	500	400	250	1100	575	REDIMIX		sxs/cmt
	100/	1867**	336**	SURF		3209	1558	1034	SURF		3866	2914	518**	SURF		3910	1052	1447	SURF		3966	3240	SURF	SURF	3921	1081	1355	SURF	SURF	SURF	SURF		TOC
IOL=3350	TOI 2250			CIRC		CALC	CALC	CALC	CIRC			CBL		CIRC		CALC	CALC	CALC	CIRC		CALC	CBL	CIRC	CIRC	CALC	CALC	CALC	CALC	CIRC	CIRC	CIRC		Source
				SCHEMATIC		TOL=3209					TOL=3796			SCHEMATIC		TOL=3910									TOL=3921								Comments

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Н			2	H				Н											_			_	П	-	Sec
Н			29			-	29				28		_		29					29			29	_	c Twp
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H			38 205		H	_	38 330	H	_		38 990		_	-	38 330	-	H	H	_	38 990	_		38 990	-	
			2053 FEL				330 FWL				990 FWL	,			330 FWL					990 FEL			990 FEL		E/W Dir
			2263 FSL				2310 FNL				680 FSL				330 FNL					990 FNL			1650 FSL		N/S Dir
			3002535541 OXY				3002507449				30025230220000 TEXLAND				30025074520000					30025074540000			30025074560000 PLUGGED		API
			охү				ОХҮ				TEXLAND				PLUGGED					OXY			PLUGGED		Operator Name
			NHGSU				NHGSU				BOWERS FED A				BOWERS_FED B					NHGSU			WD GRIMES		Lesse Name
			533				121				28				1					411			1		Well#
			OIL				이				ᄋᆝᆫ				OIL					OIL	i		잍		Status
			06/12/2001				03/13/1947				04/15/1969				11/11/1932					10/14/1930			07/16/1930		Comp Date
			4420				4275				6000				4221					4335			4060		đ
															12/21/1971								07/25/1968		Abnd Date
			4303				4189				5858				4221					4223			4 160		Lwriperf
	5 1/2	8 5/8	1.4	4 1/2	7	9 5/8	12 1/2		5 1/2	8 5/8	11 3/4		7	9 5/8	15 1/2		5 1/2	7	9 5/8	12 1/2	7	9 5/8	12 1/2		Cag Size
	7 7/8	12 1/4	18	6 1/4					7 7/8	=	15		8 3/4	12	18		6 1/4	8 3/4	11 3/4	16	8 3/4	12 1/4	17 1/2		Hole Size
	4420	1576	40	4201	3104	2739	231		6000	3850	374		3987	2716	235		4217	4045	2750	245	3818	2712	236		Depth
	500	850	50	100	100	650	250		250	500	300		300	650	225		30	300	650	250	300	600	200		sxs/cmt
	SURF	SURF	SURF	2900	2640	890	SURF		2955	2500	SURF		2027**	SURF	SURF		3941	2289	441	SURF	2404**	273**	SURF		TOC
	CIRC	CIRC	CIRC	CALC	CBL				OPER C-108 (CBL)	OPER C-108 (TS)	OPER C-108			CIRC	CIRC		CALC	CALC	CALC	CIRC			CIRC		Source
				TOL=2900											SCHEMATIC		TOL=3941						SCHEMATIC		Comments

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				30025074640000 OXY				30025074670000					30025074680000				30025074690000					30025074700000					30025074710000					30025074720000		ΛPI
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				NHGSU				NHGSU					NHGSU				NHGSU					NHGSU					BOWERS					NHGSU		Lease Name
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	6 1/8	8 3/4	11 3/4	16	7	8 3/4	11 3/4	16		6 1/4	8 3/4	11 3/4	16		8 3/4	11 3/4	16		6	8 3/4	11 3/4	16			8 3/4	11 1/2	17		6 1/8	9 5/8	12 1/2	15 1/2		Hole Size
	4312	3994	2749	212	4200	3854	2758	245		4202	3860	2755	250		3998	2755	242		4300	4042	2756	247		6000	3962	2750	205		4238	3960	2750	242		Depth
	40	425	400	200	60	250	600	200		450	250	600	200		250	600	200		75	250	80	2500		275	528	620	180		30	300	650	225		Sxs/Cmt
	3841	2738	1328	SURF	3193	SURF	SURF	SURF		SURF	SURF	624	SURF		2535	624	SURF		3883	2807	625	SURF							3650	SURF	SURF	SURF		700
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			30025232350000						30025232600000				1440000			1510000				30025232700000 OXY				5010000				30025268330000 OXY			30025074790000 OXY		
			PLUGGED						PLUGGED				30025231440000 PLUGGED			TEXACO				OXY				30025125010000 PLUGGED				ОХҮ			OXY		Operator Name
			BOWERS/FED						BOWERS/FED				BOWERS/FED			MCKINLEY HD				NHGSU				NHGSU				NHGSU			NHGSU		Lease Name
			A32						A34				A30			8				313				342				222			231		Well #
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			12/28/1969						12/16/1969				06/24/1969		1	06/22/1969				11/06/1969				09/20/1930				08/25/1980			07/21/1930		Comp Date
			7075						7010				6000			6059				6047				4215				4350			4205		₽
			09/14/1972						09/26/1972				08\04\1990											04/27/1999									Abnd Date
											_		5849			5757				5871				4215				4329		오	4205		Lwr/perf
3 1/2	3 1/2	9 5/8	13 3/8			3 1/2	3 1/2	9 5/8	13 3/8		4 1/2	8 5/8	11 3/4	5 1/2	8 5/8	13 3/8		5 1/2	8 5/8	13 3/8		7	9 5/8	12 1/2		5 1/2	8 5/8	16	7	9 5/8	20	Н	Csg Size
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	7053	3850	401			6100	7010	3850	401		5988	3836	362	6057	3842	383		6047	3849	382		3974	2750	220		4349	1570	40	3930	2750	215		Depth
	675	550	600				895	550	600		550	500	300	650	1400	340		570	1256	400		300	650	210		800	950	40	550	400	75		Sxs/Cmt
	2900	2250	SURF				2600	2400	SURF		2800	2300	SURF	2000	SURF	SURF		1500	600	SURF		1144	SURF	SURF		2608	SURF	SURF	SURF	SURF	SURF	Ц	T0C
			BLM						BLM		TS	тѕ		TS	CIRC	CIRC		TS	TS	CIRC		CBL	CIRC	BLM		CBL	CIRC	CIRC	CIRC	CIRC	OCD		Source
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				215FSL				200FNL				330FNL					2310FNL			770FSL				1196FNL				760FNL				2235FNL			N/S Dir
				30025289590000				30025290630000				30025070770000					30025074620000			30025264850000				30025349830000				30025233840000 OXY				30025232210000			API
				ΟΧΥ				OXY				OXY					OXY			TEXLAND				OXY				OXY				TEXACO			Operator Name
				NHGSU				NHGSU				NHGSU					NHGSU			BOWERS/FED				NHGSU				NHGSU				MCKINLEY HD			Lease Name
				444				112				111					221			A37				713				412				9			Well *
				OIL				WIW				일					OIL			GAS				OIL				OIL				OIL			Status
				04/04/1985				04/06/1985				07/08/1930					07/07/1930			11/30/1979				08/31/2000				01/20/1970				10/13/1969			Comp Date
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		4369	1519	39		4369	1520	40		3851	2755	232		4207	3852	2750	257		3910	501		4403	1546	40		7106	3848	329		7000	3851	378			Depth
		2305	500	40		675	250	N/A		200	450	250		125	250	550	160		850	400		1000	700	50		865	1200	400		650	1748	400			Sxs/Cmt
		SURF	SURF	SURF		SURF	SURF	N/A		2680	1491	SURF		3799	1500	796	SURF		SURF	SURF		SURF	53			3400	75	SURF		2700	SURF	SURF		_	TOC
		CIRC	CIRC	CALC		CIRC	CIRC	N/A		CALC	CALC	OCD		CALC	CBL	CALC	CALC		CIRC	CIRC		CALC	CALC	OCD		IS	TS	ОСВ		TS	CIRC	OCB			Source
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				1488FEL			2405FWL				560FEL			1400FWL				1598FEL	ĺ			2430FEL			178FEL			160FEL			E/W Dir
				530FNL			1770FNL				2080FSL			200FSL				2457FSL				1400FSL			2260FSL			1300FSL			N/S Dir
				30025291970000			30025285550000				30025285800000 TEXLAND			30025288860000				30025289540000				30025289550000			30025289570000 OXY			30025289580000			API
				OXY			OXY				TEXLAND			OXY				OXY				OXY			OXY			OXY			Operator Name
				NHGSU			NHGSU				BOWERS/FED			NHGSU				NHC				NHGSU			NHGSU			NHGSU			Lease Name
				312			223				A38			242				332				333			432			443			Well #
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				07/09/1985			10/18/1984				05/01/1984			03/19/1985				06/03/1985				03/01/1985			02/09/1985			01/26/1985			Comp Date
				4431			4397				7006			4370				4370				4369			4370			4370			Ħ
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				4215			4172				6782			4165				4236				4290			4266						Lwr/perf
		7	9 5/8	13 3/8	5 1/2	8 5/8	16		5 1/2	10 3/4	13 3/8	5 1/2	8 5/8	13 3/8		7	9 5/8	13 3/8		5 1/2	8 5/8	13 3/8	5 1/2	8 5/8	13 3/8	5 1/2	8 5/8	13 3/8			Csg Size
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		4431	1500	40	4394	1455	30		7000	4491	1476	4368	1514	40		4369	1503	40		4369	1579	40	4370	1490	55	4370	1470	ô			Depth
		700	650	40	250	650	N/A		600	1650	1220	775	675	40		800	650	N/A		720	710	REDIMIX	350	370	N/A	340	425	REDIMIX			Sxs/Cmt
			Щ.	SURF	2496	SURF	N/A		4985	SURF	SURF	SURF	SURF	SURF		SURF	SURF	N/A		SURF	SURF	SURF	SURF	SURF	N/A	858	440	SURF		_	700
		CIRC	CIRC	CALC	CBL	CIRC	N/A		TS	CIRC	OCD	 CIRC	CIRC	OCD		CIRC	CIRC	N/A		CIRC	CIRC	CIRC	CIRC	CIRC	N/A	CBL	TS	CIRC			Source
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			1480FWL					2310FWL				38 1370FWL				1050FEL				1300FEL			195FWL			EW Dir
			2455FSL					330FNL				1400FSL				1300FSL				1520FNL			1310FNL			N/S Dir
			30025289420000					30025074630000 OXY				30025269350000 OXY				30025270010000				30025270590000 OXY			30025290640000 OXY			API
			OXY					OXY				OXY				OXY				OXY			OXY			Operator Name
			NHGSU					NHGSU				NHGSU				NHGSU				NHGSU			NHGSU			Lease Name
			233					211				232				442				422			113			Wen#
			OIL					WW				WIW				WIW				WIW			읃			Status
			02/16/1985					08/15/1930				11/03/1981				05/08/1981				05/05/1981			02/17/1985			Comp Date
			4383					4250				4555				4510				4510			4370			ਰ
																										Abnd Date
			4240					4250															4285			Lwr/perf
	5 1/2	8 5/8	13 3/8		5	7	9 5/8	12 1/2		5 1/2	8 5/8	16		5 1/2	8 5/8	16		5 1/2	8 5/8	16	5 1/2	8 5/8	13 3/8			Csg Size
	7 7/8	12 1/4	17 1/2		6 1/2	8 3/4	12 1/4	16		7 7/8	12 1/4	18		7 7/8	12 1/4	18		7 7/8	12 1/4	20	7 7/8	12 1/4	17 1/2			Hole Size
	4383	1507	55		4310	3972	2647	230		4555	1600	40		4510	1606	40		4510	1524	40	4370	1495	55			Depth
	1070	620	N/A		100	250	400	200		1100	875	40		900	850	40		1000	850	40	990	620	REDIMIX			Sxs/Cmt
	SURF	SURF	N/A		3867	3130	1523	SURF		2614	SURF	SURF		SURF	SURF	SURF		2500	SURF	SURF	SURF	SURF	SURF		Ц	100
	CIRC	CIRC	N/A		CALC	CBL	CALC	CALC		CBL	CIRC	CIRC		CIRC	CIRC	CIRC		CBL	CIRC	CIRC	CIRC	CIRC	CIRC			Source
					TOL=3867																					Comments

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		330 FEL					2310 FWL				330 FEL				660 FEL				505 FEL			990 FWL				990 FWK				990 FWL				990 FWL		E/W Dir
		1370 FNL					2200 FNL				2310 FSL				660 FNL				1549 FSL			1980 FNL				440 FNL				990 FSL				2310 FSL		NS Dir
		30025074930000					30025075040000				30025127580000				30025232040000				30025354510000			30025075140000				30025075110000				30025075100000				30025075090000 OXY		API
		OXY					OXY				οσχγ				OXY				охү			OOXY				οχγ				OXY				охү		Operator Name
		NHGSU					NHGSU				NHGSU				NHGSU				NHGSU			NHGSU				NHGSU				NHGSU				NHGSU		Lease Name
		421					221				431				412				743			121				111				141				131		Well #
		인					인				OIL				일				잍			ဓ္				OIL				MIM				일		Status
		05/06/1934					11/13/1950				07/14/1934				07/25/1969				05/22/2001			04/11/1949				11/29/1930				02/18/1950				11/01/1949		Comp Date
		4190					4215		<u> </u>		4225				6260				4395			4189				4220				4317				4207		ਰੋ
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8 3/4	12 1/4	16		6 1/4	8 3/4	11 3/4	16		8 3/4	11 3/4	16		7 7/8	=1	17 1/2		7 7/8	12 1/4	18		8 3/4	12 1/4		8 3/4	12 1/4	17 1/2		6 1/4		13 3/4		6 1/4	8 3/4	12 1/4		Hole Size
3955	2760	242		4215	3964	2795	207		3962	2766	253		6255	3799	343		4395	1509	40		4075	1620		3961	2749	211		4317	3303	435		4165	3240	430		Depth
150	300	100		325	450	400	300		250	200	150		400	500	350		900	850	50		400	800		425	600	250		100	500	350		90	500	350		Sxs/Cmt
3077	1917			486	1330	1374	SURF		2499	2056	SURF		3080	2372	SURF		SURF	SURF	SURF		1733	SURF		1473	1063	SURF		2486	376	SURF		2600	360	SURF		100
CALC	CALC	OCD		CALC	CALC	CALC	CIRC		CALC	CALC	OCD		TS	TS	OCD		CIRC	CIRC	CIRC		CALC	CIRC		CALC	CALC	CALC		CALC	CALC	OCD		TS	TS	OCD		Source
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		8 2310 FWL			8 2200 FEL			8 2310 FWL				8 2310 FEL					8 330 FEL			8 600 FEL			8 1509 FEL				8 1520 FEL			-	E/W Dir
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		30025075070000			30025074920000			30025075080000				30025074910000					30025074900000			30025288870000			30025302040000				30025270600000				API
		οχγ			οχγ			OXY				οχγ					OXY			οχγ			OXY				οχγ				Operator Name
		NHGSU			NHGSU			NHGSU				NHGSU					NHGSU			NHGSU			NHGSU				NHGSU				Lease Name
		231			321			241				311					411			422			WI-322				WI-312				Weil #
		OIL			OIL			OIL				WW					OIL			OIL			LNI-W				LINI-W				Status
		11/29/1930			11/14/1930			05/06/1948				08/11/1930					07/15/1930			05/20/1985			04/18/1988				06/06/1981				Comp Date
		4190			4212			4155				4201					4175			4372			4350				4510				ਰ
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7	9 5/8	13 3/8	7	မ	12 1/2	5 1/2	7	9 5/8	5	6 5/8	8	12 1/2		5 1/2	7	9 5/8	12 1/2	7	9 5/8	13 3/8		8 5/8	1.4	- 1		8/5 8	16		5 1/2		Csg Size
8 3/4	12 1/4	17 1/2	8 3/4	11 3/4	16	6 1/4	8 3/4	12 1/4	6 1/4		11 3/4	16		7 7/8	8 3/4	11 3/4	16	8 3/4	12 1/4	17 1/2		12 1/4	17 1/2			12 1/4	20		6 1/4		Hole Size
3955	2800	245	3957	2750	227	4141	3225	475	4219	3951	2735	230		4358	3938	2744	242	4371	1510	40	4358	1510	40		4510	1598	40		4190		Depth
300	400	200	200	500	150	90	800	200	35	250	500	200		1100	200	988	200	900	625	40	1100	850	40		1050	950	40		150		Sxs/Cmt
2199	1676		2786	1336	SURF	2493	SURF		3882	3070	1321	SURF		SURF	2767	SURF	SURF	SURF	SURF	SURF	SURF	SURF	SURF		2500	SURF	SURF		1444	Н	100
CALC	CALC	OCD	CALC	CALC	CALC	CALC	CALC	OCD	CALC	CBL	CALC	CIRC		CIRC	CALC	CALC	CALC	CIRC	CIRC	OCD	CIRC	CIRC	80		SE SE	CIRC	CIRC		CALC		Source
									TOL=3882													·									Comments

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					330 FNL			2310 FWL				1325 FEL			2310 FEL			330 FEL			EW Dir
					330 FWL			440 FNL				1315 FSL			2200 FSL			330 FSL			N/S Dir
					302507625			30025075030000 OXY				30025075000000 OXY			30025074990000 OXY			30025074980000 OXY			APi
	,				302507625 PLUGGED			OXY				OXY			ОХҮ			OXY			Operator Name
					SOUTH HOBBS			NHGSU				NHGSU			NHGSU			NHGSU			Lease Name
					12			211				341			331			441			Weil #
					P&A			OIL				이	İ		애			OIL			Status
					10/07/1930			09/14/1930				08/23/1935			11/14/1930			09/13/1930			Comp Date
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					12/30/1997																Abnd Date
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		4	6 5/8	10 3/4	16	7	မ	12 1/2	5 1/2	7	9 5/8	12 1/2	7	9	12 1/2	6 5/8	8 1/4	12 1/2			Csg Size
				14		8 3/4	12	18	6 1/2	8 3/4	12 1/4	16	8 3/4	12 1/4	16	8	9 7/8	16			Hole Size
		4229	3977	2782	185	3973	2750	266	4229	3990	1526	251	3957	2800	238	3975	2800	242			Depth
		క	150	350	75	450	400	185	100	250	200	150	225	600	200	225	600	225			Sxs/Cmt
		3850	2800	2080	SURF	1339	1726	SURF	2884	2527	8		2640	1398	SURF	2170	SURF	SURF		_	10 c
		CIRC	CBL	CALC	CIRC	CALC	CALC	CIRC	CALC	CALC	CALC	OCD	CALC	CALC	CALC	CALC	CALC	CALC			Source
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		2310FEL			2130FEL			1245FWL			1345EE			2080FWL				2310FEL			330FWL			660FEL				2060FWL		EW Dtr
		2310FSL			660FNL			1960FSL			962FSL			1650FNL				1930FNL			1730FNL			660FNL				1980FSL		NS Dir
		30025075380000			30025230760000			30025353850000			30025354520000			30025229150000				30025229440000			30025230070000			30025231160000				30025230350000		API
		οχγ			APACHE			OXY			OXY			TEXLAND				OXY			ОХҮ			APACHE				OXY		Operator Name
		NHGSU			State A			NHGSU			NHGSU			Grimes				State A			NHGSU			State A				NHGSU		Lease Name
		331			4			913			834			18				6			121			5				232		Well #
		OIL			OIL						OF		<u></u>	읃				잍			읝			이				OIL		Status
		09/24/1930			04/23/1969						05/21/2001			02/24/1969				04/23/1969		i	05/20/1969			07/01/1969				04/06/1969		Comp Date
		4261			6000			4368			4300			6020				6020			6051			8044				6020		9
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		4175			5912						4235			5774				5805			5956			5905				5932		Lwr/Perf
5	7	9 5/8	5 1/2	8 5/8	11 3/4	5 1/2	8 5/8	7	5 1/2	8 5/8	14	5 1/2	8 5/8	13 3/8		5 1/2	8 5/8	13 3/8	5 1/2	8 5/8	13 3/8			11 3/4		5 1/2	8 5/8	13 3/8		Csg Size
6 1/4	8 3/4	11 3/4	7 7/8	11	15	7 7/8	12 1/4	18	7 7/8	12 1/4	18	7 7/8	11	17 1/2		7 7/8	11 3/4	17 1/2	7 7/8	11	17 1/2	7 7/8	11	15		7 7/8	11	17 1/2		Hole Size
4247	3940	2750	5998	3810	380	4400	1498	40	4300	1511	40	6019	3799	351		6020	3820	357	6051	3811	342	6998	3798	381		6019	3829	383		Depth
75	700	300	325	590	300	950	850	50	850	850	50	505	300	335		500	800	350	455	500	375	500	590	730		450	500	325	_	Sxs/Cmt
2430	SURF	1684	3695	SURF	SURF	SURF	SURF	SURF	SURF	SURF	SURF	3454	2761	SURF		3561	SURF	SURF	3740	SURF	SURF	3701	2300	SURF		3685	2098	SURF		Тос
CBL	CIRC	CALC	CIRC	CIRC	ОСВ	CIRC	CIRC	OCD	CIRC	CIRC	OCD	CALC	CALC	ОСД		CIRC	CIRC	CIRC	CALC	CIRC	OCD	CALC		OCD		SI	CALC	CIRC		Source
			TOL=3695													TOL=3561						TOL=3701								Comments

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		1175FWL				1437FEL				1650FEL					330FEL				2310FEL		,		2310FWL					660FEL			330FEL			EW Dir
		786FSL				475FSL				2310FNL			_		2310FNL				1650FNL				990FSL			-		660FSL			2310FSL			N/S Dir
		30025316620000				30025282660000				30025125040000					30025125070000				30025125060000				30025075330000					30025075360000			30025075370000			API
		OXY				OXY				OXY					OXY				OXY				OXY					OXY			OXY			Operator Name
		NHGSU				NHGSU				State A					NHGSU				NHGSU				NHGSU					NHGSU			NHGSU			Lease Name
		144				342				-					421				321				241					441			431			Weii #
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		02/28/1994				01/11/1984				07/02/1930					09/03/1930				08/15/1930				02/09/1982					08/15/1930			08/15/1930			Comp Date
		4400				4430				4175					4185				4275				4270					4175			4245			đ
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		4247				4091			오	4175					4185				4185				4072					4175			4175			Lwr/Perf
5 1/2	8 5/8	13 3/8		5 1/2	8 5/8	16		7	9	12 1/2		5 1/2	6 1/2	9 5/8	12 1/2		6 5/8	8	12 1/2		5 1/2	7	13 3/8		5	7		12 1/2	5	7	9 5/8			Csg Size
7 7/8	12 1/4	17 1/2		7 7/8	12 1/4	20		8 3/4	12 1/4	16 1/2		6	7 7/8	11 3/4	16		8 3/4		16		6 1/4	8 3/4	17 1/4		6 1/4	8 3/4	12 1/4	16	6 1/8	8 3/4	12 1/4			Hole Size
4400	1545	40		4380	1522	30		3850	2755	222		4185	3954	2755	245		3950	2759	230		3916	4099	328		4234	3971	2750	188	4244	3968	2750			Depth
		40	П	650		40		200	600	135		125	Т	88	250			N/A	N/A		125	_	325		60	250	400	125	65	350	475		_	Sxs/Cmt
286	SURF	SURF		SURF	SURF	SURF		2679	1353	SURF		3916	2117	624	SURF		2472	N/A	N/A		1627	SURF	SURF		3500	2508	1626	SURF	3406	1919	1415		٦	10c
CALC	CALC	BLM		CIRC	CIRC	CIRC		CALC	CALC	CIRC		CALC	CALC	CALC	CALC		CBL	N/A	N/A		CALC	CALC	OCD		CBL	CALC	CALC	CIRC	CALC	CALC	CALC			Some
												TOL=3916																						Comments

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		1300FEL		1300FWL			1370FWL				110FEL				2350FEL				1280FEL				1550FEL			1885FWL				2370FEL			EW Dir
		1400FSL		1400FSL			1720FNL			-	1385FNL		-		1550FSL				2540FNL				660FSL			639FNL				500FNL			NS Dir
		30025269740000		30025271390000			30025271400000				30025290740000				30025291730000				30025291980000 OXY				30025299060000			30025302580000				30025302630000			API
		OXY		ОХҮ			OXY				OXY				OXY				OXY				OXY			OXY				OXY			Operator Name
		NHGSU		NHGSU			NHGSU				NHGSU				NHGSU				NHGSU				NHGSU			NHGSU				NHGSU			Lease Name
		432		132			222				422				332				423				343			212				313			Well *
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		06/20/1981		06/02/1981			06/21/1981				03/24/1985				05/31/1985				07/16/1985				07/06/1987			04/22/1988				05/01/1988			Comp Date
		4400		4510			4510				4370				4356				4380				4370			4350				4350			T T
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											4047				4070				4051				4160			4256				4229			Lwr/Perf
	8 5/8	16	5 1/2	8 5/8	5 1/2	8 5/8	16 6		7	9 5/8	13 3/8		7	9 5/8	13 3/8		7	9 5/8	13 3/8		7	9 5/8	14	7	9 13/20	1.4		7	9 5/8	14			Csg Size
	12 1/4	20	7 7/8	12 1/4	7 7/8	12 1/4	20		8 3/4	12 1/4	17 1/2		8 3/4	12 1/4	17 1/2		8 3/4	12 1/4	17 1/2		8 3/4	12 1/2	18	8 3/4	12 1/4	17		8 3/4	12 1/4	17			Hole Size
4400	1600	40	4510	1550	4510	1607	đ		4369	1538	40		4356	1534	8		4379	1508	8		4370	1498	4 04	4348	1504	53		4346	1510	53			Depth
950	850	40	1100	875	900	800	\$ 0		570	425	N/A		875	680	¥		925	580	N/A		1350	1400	50	1150	650	50		1250	650	50			Sxs/Cmt
SURF	SURF	SURF	SURF	SURF	724	SURF	SURF		1032	SURF	N/A		SURF	SURF	₹		SURF	SURF	NA		SURF	SURF	SURF	SURF	SURF	SURF		SURF	SURF	SURF			10 C
CIRC	CIRC	CIRC	CIRC	OCD	CBL	CIRC	CIRC		CALC	CIRC.	N/A		CIRC	CIRC	N/A		CIRC	CIRC	N/A		CIRC	CIRC	CIRC	CIRC	CIRC	CIRC		CIRC	CIRC	CIRC			Source
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		18						2			ಹ			8				18				18			18				18			Twp
		38						38			38			38				8				38			ä				38			Rgo
		1980FWL						1650FEL			2054FWL			586FEL				1980FEL				1210FWL			1400FEL				1400FEL			EW Dir
		660FNL						2310FSL			2164FNL			887FNL				2130FSL				610FSL			210FNL			T	1370FNL			N/S Dir
		30025227920000						30025075350000 PLUGGED			30025349070000			30025349640000				30025233090000				30025282650000			30025290170000				30025269730000			Ą
		TEXLAND						PLUGGED			OXY			OXY				SAGA				OXY			OXY				OXY			Operator Name
		Grimes A					NORTHRUP	STATE -			NHGSU			NHGSU				State				NHGSU			NHGSU				NHGSU			Lease Name
		17						-			512			541				9				142			312				323			Well #
		읃						P&A			OIL			읃				읃				WIW			WW				WW			Status
		11/27/1968						07/08/1930			05/04/2000			05/10/2000				01/09/1970				01/05/1984			12/21/1984				02/06/1981			Comp Date
		6150						4175			4405			4410				7000				4460			4370				4400			đ
								07/21/1958																								Abnd Date
		5782						4175			4196			4270				5964							4073				4432			Lwr/Perf
7	9 5/8	13 3/8		5	7	10 3/4	12 1/2	20	5 1/2	8 5/8	14	5 1/2	8 5/8			7	9 5/8	13 3/8		5 1/2	8 5/8	16		5 1/2			5 1/2	8 5/8	16			Csq Size
8 3/4	12 1/4	17 1/2							7 7/8	12 1/4	18	7 7/8	12 1/4	1 6		8 3/4	12 1/4	17 1/2		7 7/8	12 1/4	20		7 7/8			7 7/8	12 1/4	20			Hole Size
6149	3399	366		3244	3850	2766	1482	98	4405	1620	40	4410	1557	\$		6998	3799	364		4460	1525	40		4360	6		4400	168	\$			Depth
545	1450	370		500	275	200	175	100	950	775	50	1000	700	50		490	1140	160		680	750	40		1130	NA		920	1000	40			Sxs/Cmt
2510	SURF	SURF						SURF	SURF	SURF	SURF	SURF	SURF	SURF		CBL	430	SURF		1006	SURF	SURF		SURF	N/A		3624	SURF	SURF		7	TOC
TS	CALC	ОСБ						ОСВ	CIRC	CIRC	OCD	CIRC	CIRC	OCD		TOL=3573	TS	CIRC		CALC	CIRC	CIRC		CIRC	N/A		MICRO-SEISMO	CIRC	CIRC			Source
								SCHEMATIC																								Comments

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			330FWL			300FWL					2310FWL				2310FWL				330FWL				2310FWL			-		330FWL				-	330FWL		E/W Dir
		!	330FNL			1185FSL		-			2310FSL		 	-	330FNL				330FSL				990FNL					1370FNL		_	_		2310FSL		NS Dir
			30025075190000			30025289430000					30025075210000				30025075220000				30025075230000 OXY				30025075250000					30025075260000					30025075270000		API
			HRC			OXY					OXY			RES	TECHSYS				OXY				oxy					OXY					OXY		Operator Name
			Grimes A			NHGSU					NHGSU			NCT-A	Grimes				NHGSU				NHGSU					NHGSU					NHGSU		Lease Name
			-			143					231						L		141				211					112					131		Well #
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			07/08/1930			04/26/1985					08/28/1930			RE-ENTERED	09/24/1930				09/11/1930				04/30/1931					06/29/1934					09/15/1934		Comp Date
			4160			4383					4154				4153				4192				4153					4276					4250		₫
		RE-ENTERED	04/02/1970											12/18/1999	12/01/1989																				Abnd Date
			4160			4079					4154		,		4153			오	4192			НО	4153					4199					4183		LwriPerf
4 1/2	7	9 5/8	15 1/2	7	9 5/8	13 3/8		4 1/2	7	9 5/8	15 1/2		7	9 5/8	15 1/2		7	9 5/8	13 3/8		6 5/8		13 3/8		5	7		15 1/2		4 1/2	7	9 5/8	13 3/8		Csg Size
6 1/4	8 3/4	12 1/4	20	8 3/4	12 1/4	17 1/2		6 1/4	8 3/4	12 1/4	17 1/2		8 3/4	12 1/4	18		8 3/4	12 1/4	17 1/2		8 3/4	12 1/4	17		6 1/4	8 3/4	12 1/4	18		6 1/4	8 3/4	12 1/4	17 1/2		Hole Size
4260	3955	2733	242	4383	1534	\$ 0		4194	3948	2738	207		3933	2742	220		3908	2797	257		3860	2736	189		4273	3954	2757	238		4250	3966	2740	212		Depth
70	\vdash	600	200	820	625	50		8	300	600	200		4 00	600	200		300	600	200		300	600	200		50	200	350	200		65	150	350	200		Sxs/Cmt
3835	SURF	SURF	SURF	SURF	SURF	SURF		3701	2246	996	SURF		1591	1056	SURF		2900	1111	SURF		2210	1050	SURF		3841	3086	1774	SURF		3813	3140	1757	SURF		тос
CALC	CIRC	CIRC	OCD	CIRC	CIRC	всм					CIRC		CALC	CALC	OCD		CBL	CALC	ОСВ		СВГ	CALC	CIRC		CIRC	CBL	CALC	CIRC		CALC	СВГ	CALC	CALC		Source
TOL=3835								TOL=3701																	TOL≈3841					TOL=3813					Comments

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2310FWL			700FWL				660FEL					1500FEL				630FEL				2310FEL		,		330FEL					2310FEL				1420FWL			E/W Dir
1650FNL			800FNL				1930FNL					2120FSL				1650FSL				990FNL				330FNL					2310FNL				2650FNL			N/S Dir
30025075200000 OXY			30025226270000				30025231300000					30025343740000				30025343750000				30025075150000 PLUGGED				30025075160000					30025075180000				30025289440000			ΔP
ОХҮ			TEXLAND				OXY					OXY				OXY				PLUGGED				ОХҮ					oxy				OXY			Operator Name
NHGSU			Grimes A				NMGSU					NHGSU				NHGSU				NHGSU				NHGSU					NHGSU				NHGSU			Lease Name
221			16				424					531				542				311				411					322				223			Well #
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08/27/1930			8961/60/80				07/16/1969					07/13/1998				07/18/1998				08/16/1930				09/29/1930					08/11/1930				05/17/1985			Comp Date
4289			7050				7020				_	14 00				4600				4160				4160					4217				4370	Γ		₫
																				04/19/1984																Abnd Date
4155			5391				6930					4233				4250				4160			오	4160					4175				4112			Lwr/Perf
12	-	7	9 5/8		5 1/2	8 5/8	13 3/8			5 1/2	8 5/8	14		5 1/2	8 5/8	14		7	8 5/8	12 1/2		7	9 5/8	12 1/2		5 1/2	7	9 5/8	12 1/2		7	9 5/8	13 3/8			Csg Size
16		8 3/4	12 1/4		7 7/8	12 1/4	17 1/2			7 7/8	12 1/4	18		7 7/8	12 1/4	18		8 3/4	11 3/4	16		8 3/4	11 3/4	16		7 7/8		12 1/4	16		8 3/4	12 1/4	17 1/2			Hole Size
207		7039	1497		7015	3790	350			4400	1553	40		4600	1581	40		3938	2739	207		3940	2740	224		4217	3960	2750	240		4369	1500	40			Depth
200		2925	575		650	1300	350			1000	800	50		1000	800	50		350	425	200		500	400	200		100	225	605	200		975	600	N/A			Sxs/Cmt
SURF		SURF	SURF		3580	SURF	SURF			SURF	SURF	SURF		SURF	SURF	SURF		2740	1179	SURF		2698	1272	SURF		3973	2643	1050	SURF		SURF	SURF	N/A			тос
CIRC	9	CALC	OCD		CALC	CIRC	CIRC			CIRC	CIRC	CIRC		CIRC	CIRC	CIRC		СВГ	CBL			CBL	CBL	CIRC		CBL	CALC	CALC	CIRC		CIRC	CIRC	N/A			Source
					TOL=3580															SCHEMATIC						TOL=3911										Comments

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			660 FWL	′				2310 FEL			10 FWI					EW Dir
			660 FNL					330 FSL			2310 FWL 330 FSL					N/S Dir
			3002507528 OXY					3002507539 OXY			3002507524 PLUGGED					API
			ОХҮ					ОХҮ			PLUGGED					Operator Name
			NHGSU					NHGSU			GRIMES B					Lease Name
			111					341			6					Well *
			OIL					OIL			P&A					Status
								10/13/1930			10/09/1930					Comp Date
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								4176			4166					Lwr/Perf
	4 1/2	7	9 5/8		5	7	9 5/8	16	6 5/8	9 5/8	13 3/8	4 1/2	7	9 5/8		Csg Size
	6 1/4	8 3/4	NA		6 1/4	8 3/4	12 1/4	18	₹	NA	₹	6 1/4	8 3/4	12 1/4		Hole Size
	4249	3120	306		4235	3925	2750	221	3962	2765	213	4289	3943	2752		Depth
	110	600	175		120	225	556	250	400	600	200	65	200	600		Sxs/Cmt
	3112	SURF	SURF		3366	2608	1136	SURF	3030			3748	2892	333		TOC
	CBL	CALC	CIRC		CBL	CALC	CBL	CIRC			OCD	CALC	CBL	СВГ		Source
											SCHEMATIC	TOL=3748				Comments

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			2130 FEL				2086 FWL					660 FWL			L		330 FWL					1320 FWL			217 FWL				1980 FEL				2310 FEL		E/W Dir
			1980 FNL				2086 FSL					660 FSL					2310 FSL					2310 FSL			1051 FSL				1980 FNL				330 FNL		N/S Dir
			30025237590000				30025238560000					30025075430000 OXY					30025075440000					30025075450000			30025355340000				30025075480000 OXY				30025075550000 OXY		API
		PETRO	SAGA			PETRO	SAGA					OXY					OXY					OXY			OXY				OXY				OXY		Operator Name
			CONOCO-STATE				CONOCO-STATE					NHGSU					NHGSU					NHGSU			NHGSU				NHGSU				NHGSU		Lease Name
			-				2					141					131					231			844				321				311		Well #
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			08/26/1971				10/15/1971					09/13/1930					10/08/1930					10/14/1930			05/12/2001				01/18/1933				08/20/1934		Comp Date
			7075				7075	Γ	T		<u> </u>	4261		Г			4174					4192							4183				4221	T	8
																				-															Abnd Date
			5871				6681					4183					4174					4192						ОН	4183			오	4221		Lwr perf
		9 5/8	13 3/8		7	9 5/8	13 3/8		51	7	9 5/8	12 1/2		5	7	ø	15 1/2		51	7	9	15 1/2		5 1/2	8 5/8		7		15 1/2		7	9 5/8	13 3/8	┿	Csg Size
		12 1/4	17		8 3/4	12 1/4	17		6 1/4	8 3/4	11 3/4	16		6 1/4	8 3/4	12 1/4	18		6 1/4	8 3/4	12 1/4	18		6 1/4	12 1/4			12 1/4	18		8 3/4	12 1/4	17 1/2		Hole Size
	7075	3799	418		7075	377	402		4261	3976	2738	1209		4243	3953	2742	208		4235	3943	2754	203		4385	1522		3970	2756	237		3930	2746	292		Depth
	900	350	410		600	350	410		45	275	500	159		8	300	500	373		50	310	600	235		900	850		350	600	235		250	350	200		Sx/cmt
	1807	2816	SURF		3563	SURF	SURF		3828	2366	962	SURF		3922	2870	1574	SURF		3871	2860	1352	SURF		SURF	SURF		1921	1070	SURF		2467	1763	SURF		Тос
	CALC	CALC	CIRC		CALC	CALC	CIRC		CALC	CALC	CALC	CIRC		CALC	CBL	CALC	CIRC		CALC	CBL	CALC	CIRC		CALC	OCD		CALC	CALC	ОСВ		CALC	CALC	ОСВ		Source
									TOL=3828					TOL=3922					TOL=3860																Comments

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		2563 FWL			2472 FWL				1500 FWL					330FWL				625 FWL				1980 FWL					1650 FWL				1370 FWL		EW Dir
		1372 FSL			2380 FSL				990 FNL					330 FNL				2175 FSL				660 FNL					1980 FNL				1595 FSL		N/S Dir
		30025292750000			30025284100000				30025346430000					30025125050000				30025231950000				30025233300000					30025233340000				30025268340000 OXY		<u>P</u>
		OXY			OXY				OXY					OXY			PROD	BROTHERS				OXY					OXY				OXY		Operator Name
		NHGSU			NHGSU				NHGSU					NHGSU				STATE A				STATE B					STATE G				NHGSU		Lease Name
		234			233				521					111				12				6					6				232		Well #
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		08/06/1985			10/10/1984				09/29/1999					09/30/1930				09/02/1969				12/12/1969					11/17/1969				06/16/1981		Comp Date
		4373			4370				4400	Γ			Γ	4237				7018				7100					6009			Γ	4453		ਰ
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		4046			4248				4260					4175				6668				6931					5934						Lwr perf
7	9 5/8	13 3/8	5 1/2	8 5/8	16		5 1/2	8 5/8	14		5 1/2	7	9 5/8	12 1/2		7	9 5/8	13 3/8		7	9 5/8	13 3/8		4	5 1/2	8 5/8	11 3/4		5 1/2	8 5/8	16		Csg Size
8 3/4	12 1/4	17 1/2	7 7/8	12 1/4	20		7 7/8	12 1/4	18		7 3/4	8 3/4	11 3/4	16		8 3/4	12 1/4	17 1/2		8 3/4	12 1/4	17 1/2		4 3/4	7 7/8	11	17 1/2		7 7/8	12 1/4	20		Hole Size
4372	1503	40	4350	1582	40		4400	1565	40		4236	3968	2750	240		7018	3750	422		7062	3815	350		7041	6009	3752	420		4439	1590	40		Depth
1125	650	4 0	875	750	55		1655	795	50		95	225	600	200		525	325	375		805	400	300		755	400	370	540		750	800	40		Sx/cmt
SURF	SURF	SURF	SURF	SURF	SURF		3212	SURF	SURF		3923	2651	619	SURF		3945	2837	SURF		3609	SURF	SURF		5815	3500	1831	SURF		SURF	SURF	SURF		10 C
CIRC	CIRC	OCD	CALC	CIRC	OCD		CBL	CIRC	CIRC		CALC	CALC	CALC	CIRC		CALC	CALC	CIRC		CIRC	CIRC	CIRC		CALC	TS	TS	OCD		CIRC	CALC	CIRC		Source
											TOL=3923									TOL=3609				TOL=5815									Comments

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SCHEMATICS FOR PLUGGED & ABANDONED WELLS

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

Casing Size: 7"
Depth: 3941
Sxs cmt: 400

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'

Cmt Plug 3000-3400 n

TD: 4245

NHGSAM Well

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

API Number: 30025 05458

P&A: 8/27/60

Datum:

Cmt Plug: 10 sx Surface Casing Size: 8 5/8" Depth: 341 Sxs cmt: 300 Cmt Plug 350 25 sx Cmt Plug 1670 25 sx Casing Size: 5 1/2" Cut and pull casing at 2585' Depth: 4324 Cmt Plug 2585 25 sx Sxs cmt: 600

Cmt Plug

4240

25 sx

TD: 4324

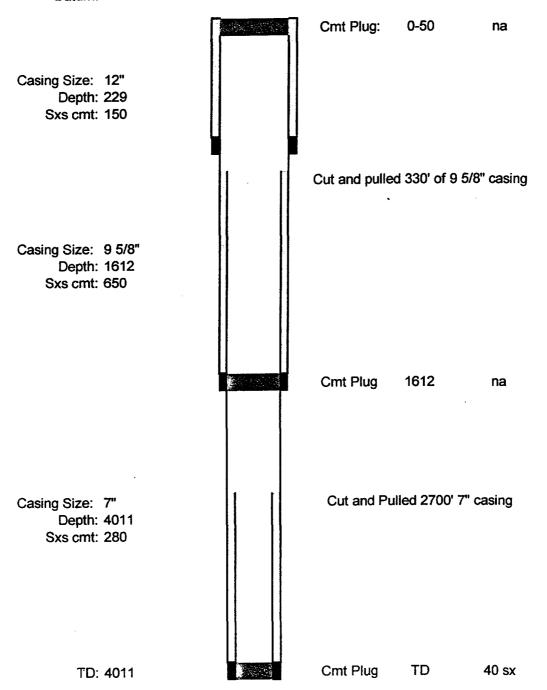
Shell State E #1 Section 14-18s-37e

API Number:

30025 10199

P&A: 12/21/38

Datum:



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

API Number:

30025 05452

P&A: 1/6/65

TD: 3910

Datum:

Cmt Plug: Surface 25 sx Casing Size: 10 3/4" Depth: 265 Sxs cmt: 200 Cmt Plug 265 25 sx Casing Size: 7" Cut and pull casing at 834' Depth: 3910 Cmt Plug 834 Sxs cmt: 150 Cmt Plug csg part* 25 sx *Depth not specified

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

Cmt Plug Spot @ 1650 20 sx

> CIBP Cmt Plug 2380-2553

Perf

250

2257

Cmt Plug Spot @ 250

pmp 50 sx into fm

50 sx

50 sx

Cmt Plug 2553-2715 80 sx Casing Size: 8 5/8" Depth: 4022

> Cmt Plug 3260-3195 30 sx

TD: 4253

Sxs cmt: 500

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

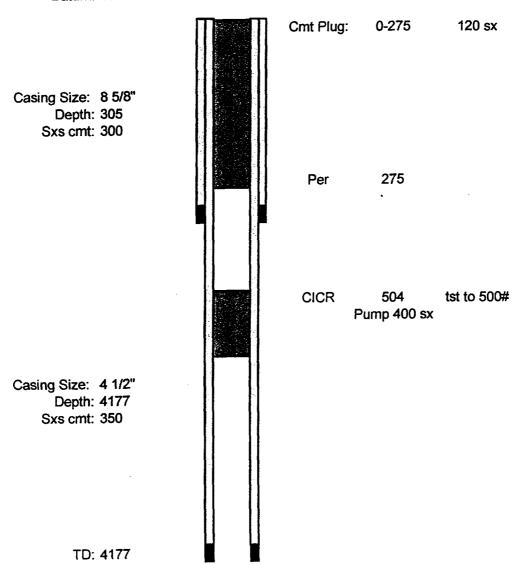
Drilled out to 1070' to find csg, could not locate top of 9 5/8"

Cmt Plug 170-1060 1200 sx

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

API Number: 30025 07347

P&A: 5/3/84 Datum: 3673



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

API Number: 30025 07346

P&A: 1/31/00

Datum:

Į.	Cmt Plug:	0-60	10 sx
Casing Size: 8 5/8" Depth: 320 Sxs cmt: 310	Cmt Plug:		25 sx
	Cmt Plug	1654-2000	25 sx
Casing Size: 4 1/2" Depth: 4170 Sxs cmt: 1027	Cmt Plug	2495-2810	40 sx
TD: 4170	Cmt Plug CIBP	Top of CIBP 3963	35 sx

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

API Number: 30025 07344

P&A: 3/7/95

TD: 4200

Datum:

Casing Size: 8 5/8"
Depth: 428
Sxs cmt: 325

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: 0-430 na

Perf 430
Circ cmt tp sirf between 5 1/2" and 8 5/8" csg

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

Top CIBP **Cmt Plug** 35 sx **CIBP** 3885



API Number: 30025 07339

P&A: 2/29/00 Datum: 3676

Casing Size: 12 1/2"

Depth: 225 Sxs cmt: 250

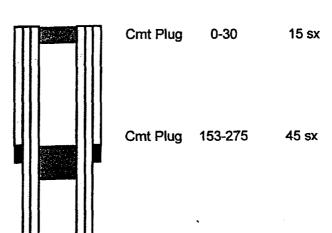
Casing Size: 9 5/8" Depth: 2803 Sxs cmt: 450

Casing Size: 7"

Depth: 4134

Sxs cmt: 200

TD: 4180



Cmt Plug Top @ 1476 400 sx

Need P+A Schematic on Hardin #4

PTA Schematic State 11 #1 11-18.37

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:

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

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

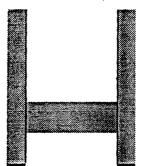
Size: 4-1/2" Liner Weight: Depth: 3850-4237' Hole Size: Cmt: 70 sxs

TOC:

10 sxs cmt plug at surface 25 sxs cmt plug, 70-105'



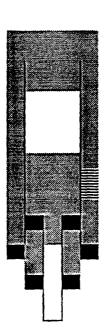
25 sxs cmt plug, 744-792'



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



25 sxs cement plug, 1600-1850



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

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

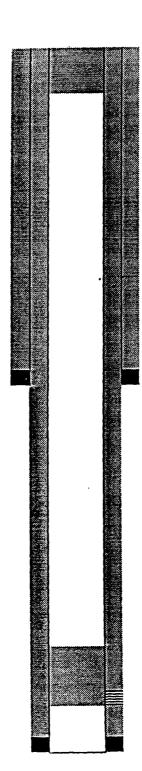
TD: 4270

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'

Оху **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"

TD: 4253

355 100 sx, circ cmt to surf Perf

Sqz 50 sx Perf 1790

Perf 2765 Sqz 50 sx

3196

Depth: 4253 Sxs cmt: 200 CICR

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

TD: 4414

Datum:

Cmt Plug 0-35 5 sx Casing Size: 8 5/8" Depth: 302 Sxs cmt: 150 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 Casing Size: 5 1/2" Depth: 4278 Sxs cmt: 215 Cmt Plug 3853-4100 25 sx CIBP 4100

5

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

API Number: 30025 07374

Plug Depth Cmt Vol.

P&A: 11/8/67

Datum:			
	Cmt Plug	Surface	10 sx
Casing Size: 8 5/8" Depth: 305 Sx Cmt. 225	Cmt Plug	Spot @ 300	20 sx
	Cmt Plug	Spot @ 1700	20 sx
	Cmt Plug	Spot @ 2800	30 sx
	Cmt Plug	Spot @ 4200	25 sx
Casing Size: Depth: Sx Cmt.	Cmt Plug	Spot @ 5575	25 sx
TD: 6,175	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"

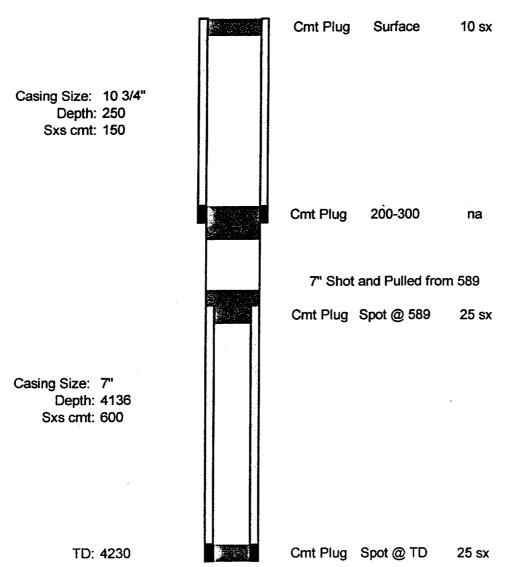
Cmt Plug 7543-8010 na in open hole

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

API Number: 30025 07385

P&A: 1/1/60

Datum:





API Number: 30025 07387

P&A: 12/19/97 Datum: 3655

Casing Size: 10 3/4"

Depth: 246 Sxs cmt: 150

Casing Size: 7"
Depth: 4050
Sxs cmt: 600

TD: 4050

Cmt Plug 0-32 10 sx

Perf 297 Sqz 60 sx Cmt Plug 190-297 20 sx

Cmt Plug 1355-1640

CICR 1550 Sqz 50 sx

Perf 1640 EPIR 2 bpm @ 950#

Cmt Plug 2357-2640 20 sx CICR 2552 Sqz 50 sx

Perf 2640 EPIR 2 bpm @ 1050#

Cmt Plug 3927-3732 30 sx CIBP 3932

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

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

Plug Depth Cmt Vol.

P&A: 11/8/67	•		
Datum:	Cmt Plug	Surface	10 sx
Casing Size: 8 5/8" Depth: 305 Sx Cmt. 225	Cmt Plug	Spot @ 300	20 sx
	Cmt Plug	Spot @ 1700	20 sx
	Cmt Plug	Spot @ 2800	30 sx
Casing Size:	Cmt Plug	Spot @ 4200	25 sx
Depth: Sx Cmt.	Cmt Plug	Spot @ 5575	25 sx
TD: 6,175	Cmt Plug	Spot @ 6000	20 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 7328-7543 na Base of 5 1/2"

Cmt Plug Spot @ TD 75 sx

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

API Number: 30025 07376

TD: 4244

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

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 Press to 1000#-held Perf 310 Hole in csg @ 500' CICR 500 Sqz 50 sx Cmt Plug 470-550 Press to 1000#-held Perf 1815 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

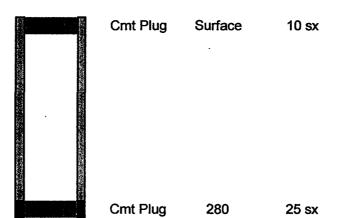
P&A: 11/8/60

Datum:

Depth Cmt Vol

Casing Size: 10 3/4"

Depth: 278 Sx cmt 125



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	Cmt Plug	Surface	5 sx	
	Cmt Plug Cmt Plug			Tag @ 800 Tag @ 940
Casing Size: 5 1/2" Depth: 4130 Sxs cmt: 600	Cmt Plug	2990-2890	20 sx	
TD: 4202	Cmt Plug	3991-3891	20 sx	

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

API Number: 30025 07394

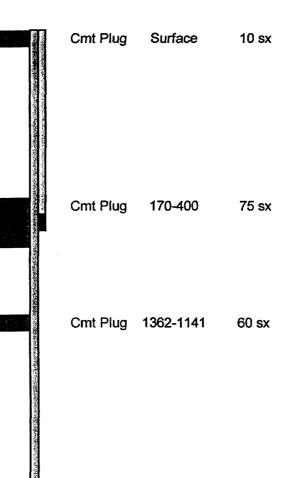
P&A: 2/8/49

Datum:

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

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

TD: 4126



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

API Number: 30025 07389

P&A: 11/10/52

Datum:

Depth

Surface

Cmt Plug

Cmt Vol

25 sx

25 sx

Casing Size: 10 3/4"

Depth: 283 Sxs cmt: 150

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

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 #2014 2 역 1 Section 21-18s-38e

API Number: 30025 07391

P&A: 1/26/00

Datum:

Depth Cmt Vol

Cmt Plug 0-30

10 sx

Cmt Plug 98-335

30 sx

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

Cmt Plug 1793-2000 25 sx

Cmt Plug 2611-2810 25 sx

Casing Size: 7"

Depth: 4109

Sxs cmt: 1300

Cmt Plug ?-4148 CIBP 4148

35 sx

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

Cmt Plug

Surface

5 sx

Depth: 1592 Sx cmt 525

Cmt Plug 2860-2820

25 sx

Casing Size: 4 1/2" Depth: 4099

Sx cmt 130

TD: 4,099



API Number: 30025 05462

P&A: 1/12/84

Datum:

Depth Cmt Vol

Cmt Plug 0-1800 210 sx

Casing Size: 8 5/8" Depth: 321

Sx cmt 150

Cmt Plug 2850-2700 20 sx

Depth: 4248
Sx cmt 425

Cmt Plug 3700-3400 35 sx

TD: 4,248

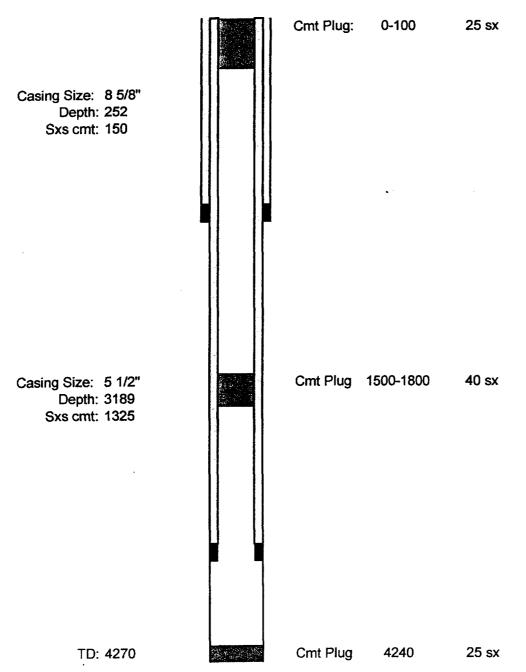
Casing Size: 5 1/2"

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

API Number: 30025 05495

P&A: 8/22/48

Datum:



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

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

Casing Size: 7"

Depth: 4026

Sxs cmt: 325

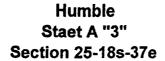
TD: 4225

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

Perf 400

Cmt Plug 1655-1505 25 sx

Cmt Plug 3809-3656 25 sx CIBP 3809



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

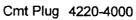
190-160

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



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

Shot off and pulled 5 1/2" casing at 1560'

Cmt Plug

Cmt Plug

Cmt Plug

1400-1500

10 sx

na

na

na

Casing Size: 5 1/2" Depth: 4256

Sx cmt 450

Cmt Plug 2250-2000

> 3500-3250 na

Cmt Plug 3850-3700 na

3935-3869

Cmt Plug 4150-4090 na

Cmt Plug 4359-4300

TD: 4,358



Moran Oil Gulf State #1 Section 26-18s-37e

API Number: 30025 05507

P&A: 6/18/65

Datum:

Depth

Cmt Vol

Casing Size: 8 5/8"

Depth: 337 Sx cmt 200 **Cmt Plug**

Surface

10 sx

Cmt Plug 300 na

Cmt Plug

1700

25 sx

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

Cmt Plug 4000-4250 Sqz perfs

TD: 4,268

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

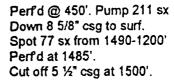
Shot and pulled 6 5/8" @ 2958

Cmt Plug 3972-4243 100 sx in Open Hole



8 5/8" 3836' 500 SX

TOC:1858' CALC



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'.

5 ½" 7038' 650 SX

TOC:3125' CALC

TD: 7050'

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

API Number: 30025 23662

P&A: 5/11/73

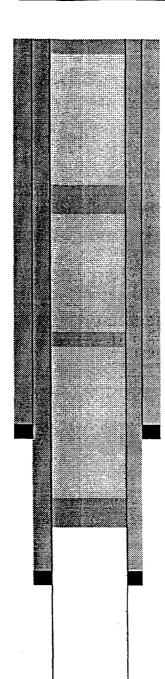
TD: 5,986

Datum:

Cmt Plug 0-10 na Casing Size: 9 5/8" Depth: 364 Sx cmt: 200 Casing Size: 7" Depth: 3826 Sx cmt: 200 Shot and pulled casing @ 3744' Cmt Plug 3744-3644 25 sx Casing Size: 4 1/2" Depth: 5986 Sx cmt: 120 Cmt Plug 5722-5757 na BP 5757

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'.

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

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

TD: 4259'

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

API Number: 30025 07455

P&A: 3/23/48

Datum:

Depth Cmt Vol

Cmt Plug 0-70 25 sx

Cmt Plug 50 sx 300-111

Casing Size: 8 5/8"

Sxs cmt: 150

Depth: 242

Shot 5 1/2" casing @ 1263 and pulled Left 1938' of 5 1/2" casing in hole Cmt Plug 1300-1120

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 FED #33**

WELL PLUGGED: 10/3/72

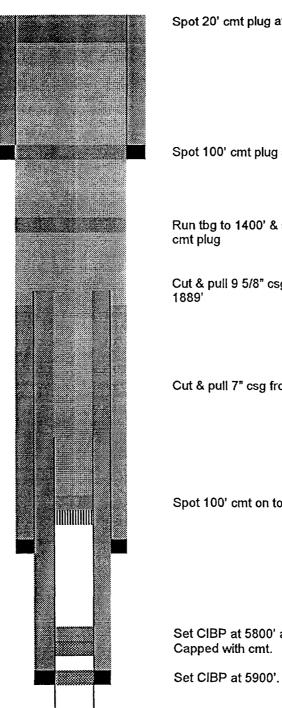
Size: 13 3/8" Depth: 416' Hole size: 17" Cmt: 400 sxs TOC: Circ. - Calc. With 50% effic.

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'

Cut & pull 9 5/8" csg from

Cut & pull 7" csg from 2560'

Spot 100' cmt on top of CIBP

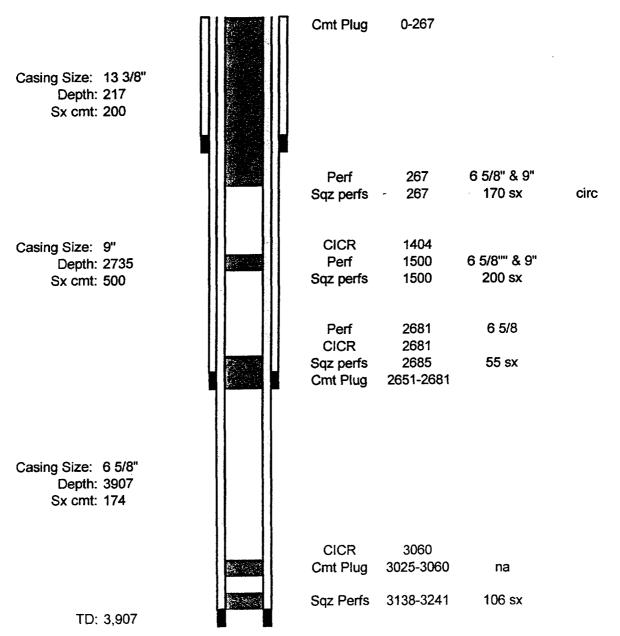
Set CIBP at 5800' and Capped with cmt.

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

API Number: 30025 07442

P&A: 11/25/89

Datum:



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

API Number: 30025 07460

P&A: 1/30/81 Datum: 3647

	Cmt Plug	0-10	na
Casing Size: 12 1/2" Depth: 214 Sx cmt: 250	Cmt Plug	400-175	na
Casing Size: 9 5/8" Depth: 2715 Sx cmt: 600	Cmt Plug	1072-972	na
	Cmt Plug	1685-1585	na
Casing Size: 7" Depth: 3911 Sx cmt: 400	Cmt Plug	3930-3830	na
TD: 4,200			

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

API Number: 30025 07443

P&A: 11/30/89 Datum: 3763

	П	Left 7" casing full of cement						
Casing Size: Depth: Sx cmt:	1900							
		Perf	292	7" & 9 5/8"	circ to surf			
Casing Size: Depth: Sx cmt:	2810	CICR Perf	1404 1500	7" & 9 5/8"	Sqz w/ 300 sx			
	·	Perf CICR	2852 2744	Sqz w/55 sx				
	•	Cmt Plug	2719-2852	na				
Casing Size: Depth: Sx cmt:	3951	Cmt Plug CIBP	3037-3072 3072	na				
TD:	4,171							

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: 151/2"

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

PBTD 1361

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

API Number: 30025 07456

Depth

Cmt Vol

P&A: 7/25/68

Datum: 3647

Cmt Plug

Surface

10 sx

Casing Size: 12 3/4"

Depth: 236

Sx cmt 200

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 Cmt Plug

3500 3599-3467

25 sx 25 sx

TD: 4,060

PEOUTO TO THE POPULATION IN THE ILL

WELL PLUGGED: 12/21/71

15 ½" 235' 225 SX TOC: NA

9 5/8" 2716' 650 SX

TOC: SURF (C)

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

Set 120 sx cmt plug at 250' And circulate.

7" 3987' 300 SX

TOC: 2027 (C)

TD: 4239

Set plug at 2800'.

Spotted 25 sx cmt plug at 3355'.

Spotted 28 sx cmt plug at 3970'.

64

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 PLUGGED: 11/15/89

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

Perfd 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 ½" 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'.

3962' 528 SX TOC: NA

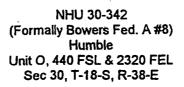
4 ½" 6000' 275 SX

TOC: 2200 TS

TD: 6000'

3

M71171

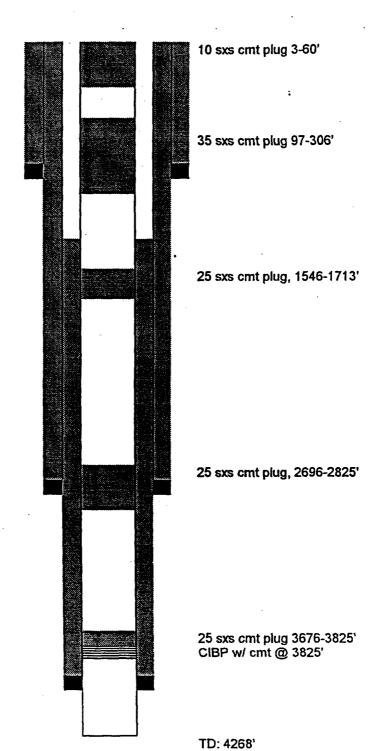


P&A'd: 4/27/99 DATUM:3654 df

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

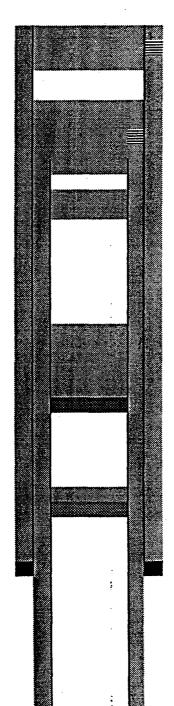




WELL PLUGGED: 8/4/90

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 ½ 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

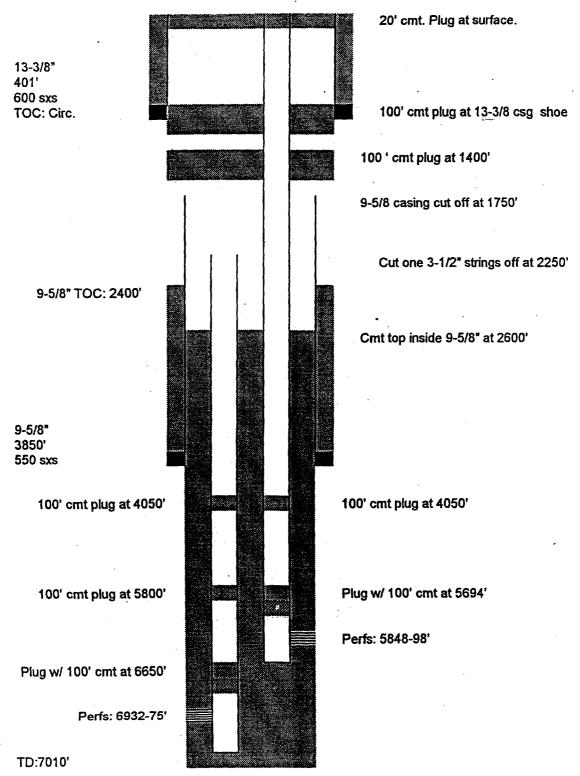
TOC: 2800' TS

TD: 6000'

\$33

WELL SCHEMATIC - Exxon Bowers A Federal #34

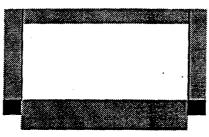
Well plugged 9/26/72



WELL SCHEMATIC - Exxon Bowers A Federal #32

Well plugged 9/14/72





20' cmt. Plug at surface.

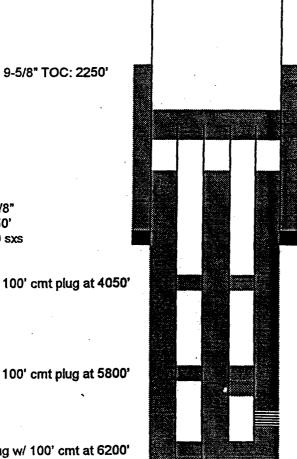
100' cmt plug at 13-3/8 csg shoe



100 ' cmt plug at 1400'







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

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

550 sxs

9-5/8" 3850'

100' cmt plug at 5800'

Plug w/ 100' cmt at 6200'

Perfs: 6974-82'

TD:7075'

100' cmt plug at 4050'

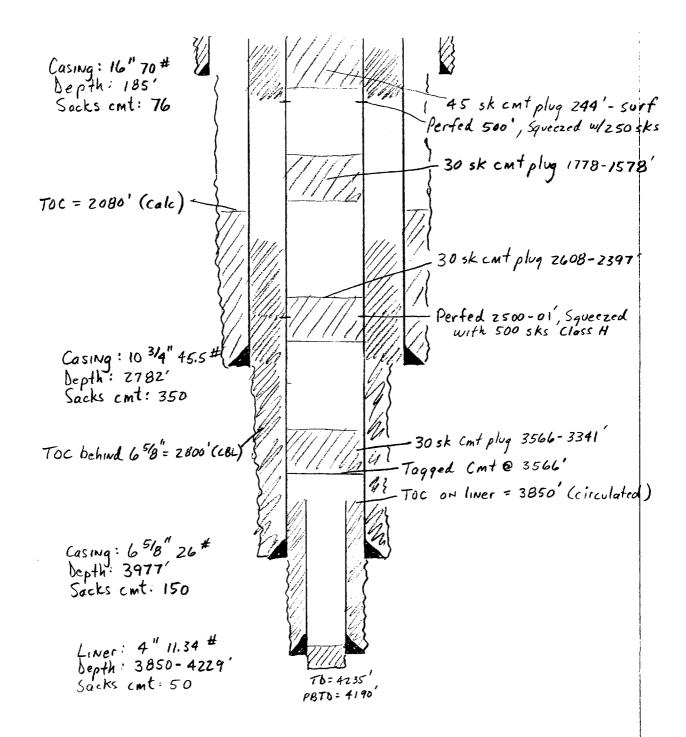
Plug w/ 100' cmt at 5694'

Perfs: 5825-5964'

Altura Energy South Hobbs (GB/SA) Unit #12

API Number. 30025 07625

P4A: 12-30-97 Datum: 3629' bF



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

API Number: 30025 07524

P&A: 4/19/52 Datum: 3676

TD: 4,166

Cmt Plug 0-50 50 sx Casing Size: 13 5/8" Depth: 213 Sx cmt: 200 Shot and pulled 6 5/8" casing @ 969' Shot and pulled 9 5/8" casong @ 978' Casing Size: 9 5/8" Cmt Plug 1050-950 53 sx Depth: 2765 Sx cmt: 600 Casing Size: 6 5/8" Depth: 4134 Sx cmt: 400 CICR 3098 Sqz below CICR **Cmt Plug** 35 sx 3030-TD

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

API Number: 300

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

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

5 sx

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

Morrison State D #1 **Section 36-18s-37e**

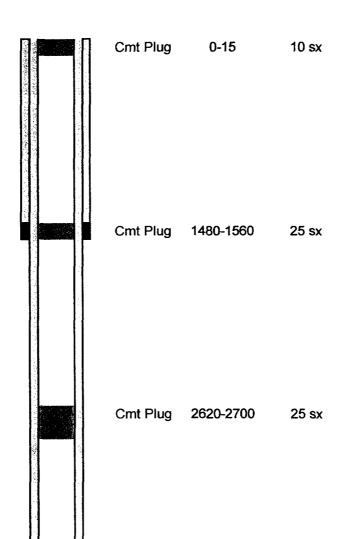
API Number: 30025 22753

P&A: 10/27/70

Depth Cmt Vol

Datum: 3654

Casing Size: 7" Depth: 1555 Sx cmt 400



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

TD: 4,275

Cmt Plug 3975-3995 na CIBP 3995

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.

Gandy Stilwell	
RANDY STILWELL, GEOLOGIC ADVISOR	

8-7-01

DATE

MITCHELL ANALYTICAL LABORATORY

2638 Faudree

Odessa, Texas 79765-8538 561-5579

Water Analysis

Company Nalco/Exxon Well # WIS DISCHARG Lease ALTURA NHU Location Date Run 11/08/1999 Lab Ref # 99-NOV-N0512	E PUMP	emical	.s	Sample Temp Date Sampled Sampled by Employee # Analyzed by	11/05/1999 Mike Athey 27-008	
	Di	ssolv	red Gasses	3		
Hydrogen Sulfide Carbon Dioxide Dissovled Oxygen	(H2S) (CO2) (O2)		Analyzed Analyzed	Mg/L 486.00	Eq. Wt. 16.00	MEq/L 30.38
	•	Cat	tions			
Calcium Magnesium Sodium Barium Manganese	(Ca++) (Mg++) (Na+) (Ba++) (Mn++)		Analyzed Analyzed	804.00 195.20 3,459.66	12.20	40.00 16.00 150.42
		An	ions			
Hydroxyl Carbonate Bicarbonate Sulfate Chloride	(OH-) (CO3=) (HCO3-) (SO4=) (C1-)	Not	Analyzed	0.00 1,869.66 1,700.00 5,005.50	61.10 48.80	0.00 30.60 34.84 141.00
Total Iron Total Dissolved Sol Total Hardness As (Conductivity MICRON	CaCO3			0.30 13,520.32 2,810.32 23,500	18.60	0.02
pH 6.500	Sp	ecifi	c Gravity	60/60 F.	1.009	
CaSO4 Solubility @	80 F.	46.6	3 MEq/L,	CaSO4 scale	is unlikely	
CaCO3 Scale Index 70.0 0.190 80.0 0.310 90.0 0.530 100.0 0.790 120.0 0.790 130.0 1.090 140.0 1.090						

Nalco/Exxon Energy Chemicals

150.0

1.370

L S

Laboratory Services, Inc.

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

Water Analysis

COMPANY	Altura Energy Ltd,						
SAMPLE SAMPLED BY	Fresh Water Well For Well 30-121						
DATE TAKEN REMARKS	5/10/00 T18S-R38E-Sec 30, Qtr Sec 1,4,2						
Barium as Ba Carbonate alkalir Bicarbonate alkalir Magnesium as M Total Hardness a Chlorides as Cl Sulfate as SO4 Iron as Fe Potassium Hydrogen Sulfide Rw Total Dissolved S Calcium as Ca Nitrate	inity PPM 184 7.42 9 60°F 1.001 9 128 s CaCO3 220 42 75 0 0.08 9 0.12.1 23.0 C						
Results reported as F	Parts per Million unless stated tion Index - 0.33						

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

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Laboratory Services, Inc.

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

Water Analysis

COMPANY	Altura Energy Ltd,		
SAMPLE SAMPLED BY	Fresh Water Well Fo	or Wells 33111	& 28131
DATE TAKEN REMARKS	5/9/00 T18S-R38E-Sec 29, Q	otr Sec. 4,2,1	
Barium as Ba	i DDM	_ 0	
Carbonate alkalin		40	
Bicarbonate alkal	INITY PPM	216	
pH at Lab	∂ CO°E	7.63	
Specific Gravity		1	
Magnesium as M Total Hardness as		174	
Chlorides as Cl	S CaCO3	300	
Sulfate as SO4		155	
Iron as Fe		115	
Potassium		0.1	
Hydrogen Sulfide	<u> </u>	0.09	
Rw		9.4	@ 25° C
Total Dissolved S	Solids	850	6 25 C
Calcium as Ca		126	
Nitrate		7.5	
Results reported as F	Parts per Million unless stated		
Langelier Satura	tion Index	0.05	
		Analysis by: Date:	Vickie Walker 6/6/00

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Laboratory Services, Inc.

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

Water Analysis

COMPANY	Altura Energy Ltd,							
SAMPLE SAMPLED BY	Fresh Water Well Fo	r Well 28131						
		:						
DATE TAKEN	6/1/00		:					
REMARKS	T18S-R38E-Sec 28, Q	tr Sec. 1,1,1						
Barium as Ba	AP 24 2 AV 12 AV	0						
Carbonate alkalin	nity PPM	0						
Bicarbonate alkal		204						
pH at Lab		7.1						
Specific Gravity	⊋ 60°F	1						
Magnesium as M		158						
Total Hardness a		272						
Chlorides as Cl		127						
Sulfate as SO4		110						
Iron as Fe	717111111111111111111111111111111111111	0						
Potassium		0.07						
Hydrogen Sulfide	9	0						
Rw		9.5	@ 25° C					
Total Dissolved S	Solids	730						
Calcium as Ca		114						
Nitrate		7.9	All the real first through the real first throught the real first throught the real first throught the real first throught throught the real first throught throught the real first throught throught the real first throught the real first throught throught throught the real first throught throught the real first throught throught throught throught throught the real first through the real first through throught throught throught throught throught throught through the real first throught throught throught throught throught through the real first throught through the real first throught through the real first th					
Results reported as F	Parts per Million unless stated	.,						
Langelier Satura	tion Index	+ 0.55						
		Analysis by: Date:	Vickie Walker 6/5/00					

Laboratory Services, Inc.

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

Water Analysis

COMPANY	Altura Energy Ltd,				
SAMPLE SAMPLED BY	Fresh Water Well For Well 19-231				
DATE TAKEN REMARKS	5/10/00 T18S-R38E-Sec 19, Qtr Sec. 4,3,2				
Barium as Ba Carbonate alkalin Bicarbonate alkal pH at Lab Specific Gravity © Magnesium as M Total Hardness a Chlorides as Cl Sulfate as SO4 Iron as Fe Potassium Hydrogen Sulfide Rw Total Dissolved S Calcium as Ca Nitrate	Inity PPM 228 7.3 9 60°F 1.001 9 169 s CaCO3 292 64 100 0 0.09 11.8				
Results reported as F	Parts per Million unless stated tion Index - 0.25				

Analysis by: Rolland Perry Date:

5/14/00

North Hobbs Unit CO2 Project

Phase 1 Injection V	Vell	List
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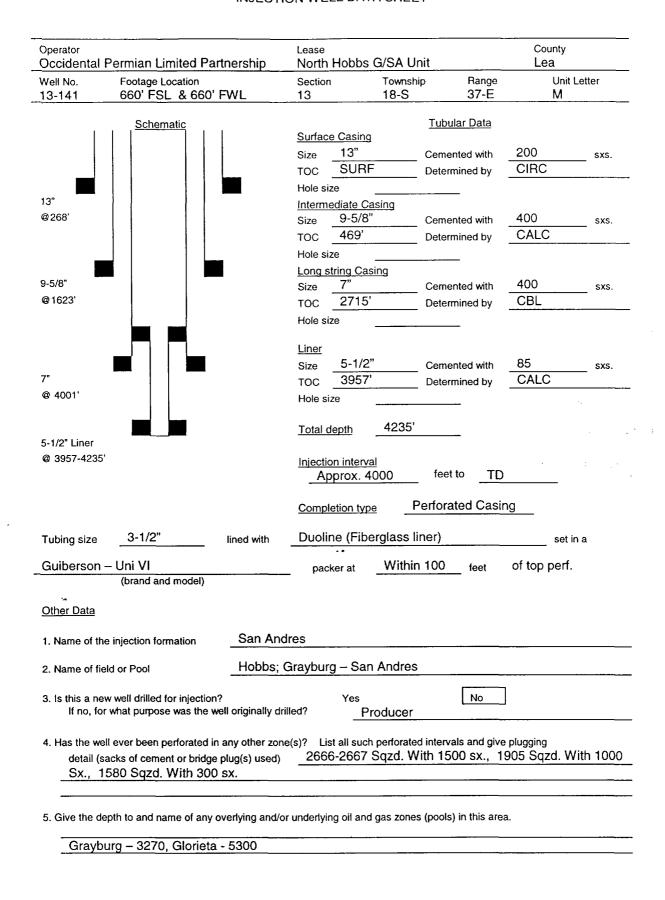
				i			
Well	Footage Location	Section	Township	Range	Current Status	CO2 Status 1	Status 2
121	1980' FNL & 660' FWL	13	18S	37E	TA Prod		
141	660' FSL & 660' FWL	13	18S	37E	TA Inj	No. 1	
221	1980' FNL & 1980' FWL	13	18S	37E	TA Inj		
241	660' FSL & 1980' FWL	13	18S	37E	TA Prod	Producer	THE PARTY TO
341	660' 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	4.0	
341	660' FSL & 1650' FEL	14	18S	37E	TA Prod	A second	
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	Allen Berger	
311	1309' FNL & 2310' FEL	19	18S	38E	TA Prod		
332	1430' FSL & 2535' FEL	19	185	38E	Injector	Producer	Injector
411	1300' FNL & 1300' FEL	19	185	38E	TA Prod	T TOUGHTON	injootoi
431	1650' FSL & 990' FEL	19	185	38E	Injector	Injector	\
233	1610' FSL & 1850' FWL	20	18S	38E	TA Prod	Injector	
321	1650' FNL & 1650' FEL	23	18S	37E	TA Prod	III)acroi	
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		18S	37E			
212		24	18S	37E	Producer	Draducan	កសេត្តិកាន
	1263' FNL & 2605' FWL	24			Injector	Producer	Transfer transfer
331	1320' FSL & 1325' FEL	24	185	37E	Producer		
411	990' FNL & 990' FEL	24	18S	37E	Producer		
413	1200' FNL & 206' FEL	24	185	37E	Injector	Producer	h Air
414	10' FNL & 1280' FEL	24	185	37E	Producer		
431	990' FSL & 330' FEL	24	185	37E	Producer		
432	2741' FSL & 1286' FEL	24	185	37E	Injector	Producer	The state of the s
442	1260' FSL & 200' FEL	24	18S	37E	Injector	Producer	THE PROPERTY.
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	100 100 100 100	
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	ļ
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	HP.
113	1310' FNL & 195' FWL	30	18S	38E	Producer		
222	1470' FNL & 1395' FWL	30	18S	38E	Injector	The state of the s	

08/08/2001 Injection Well List

223	1770' FNL & 2405' FWL	30	185	38E	Injector	Producer	Injector
232	1400' FSL & 1370' FWL	30	18S	38E	Injector		
233	2455' FSL & 1480' FWL	30	18S	38E	Injector	Producer	1-1-1-1
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	185	38E	Producer	Injector	
332	2470' FSL & 1600' FEL	30	185	38E	Injector	Injector	
333	1400' FSL & 2430' FEL	30	185	38E	Injector	Producer	THE STATE OF
422	1520' FNL & 1300' FEL	30	185	38E	Injector	Injector	
	2260' FSL & 178' FEL			38E	Injector		
432		30	185	38E		Injector	
442	1300' FSL & 1050' FEL	30	185		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	185	38E	Producer	Injector	
222	1720' FNL & 1370' FWL	32	18S	38E	Injector	Injector	
223	2630' FNL & 1420' FWL	32	185	38E	Injector	Producer	Injector
312	210' FNL & 1400' FEL	32	185	38E	Injector	Producer	injector
321	1650' FNL & 2310' FEL	32	185	38E	Injector	Producer	Injecto
	1370' FNL & 1400' FEL			38E			injector
323		32	185		Injector	Injector	
422	1385' FNL & 110' FEL	32	185	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	185	38E	New		
118LN	L/N	18	185	38E	New		
18MN	M/N	18	185	38E	New		
112A	D	19	185	38E	New		
142A	N N	19	185	38E	New		
431A	1650' FSL & 660' FEL	20	185	38E	Plugged	Injector	
120DF	D/F	20	18S	38E	New	Injector	
312A	В	24	18S	38E	New		
331A	J	24	18S	38E	New		
124G	G	24	18S	38E	New		
124F	F	24	18S	38E	New		
25AB	A/B	25	185	38E	New		
323A	G	29	18S	38E	New	Injector	
342A	0	29	185	38E	New	Injector	
442A	P	29	185	38E	New	Injector	
129E	E	29	18S	38E	New	Injector	-
222A	<u>E</u>	30	185	38E	New	Injector	
342A	0	30	185	38E	Plugged	Injector	
422A	Н	30	18S	38E	New	Injector	-
442A	Р	30	185	38E	New	Injector	
312A	В	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	185	38E	New	Injector	
				All other inje		ing CO2, water and	

08/08/2001 Injection Well List

Operator Occidental Permian Limited Partnership	Lease North Hobbs	s G/SA Uni	it	County Lea		
Well No. Footage Location 13-121 1980' FNL & 660' FWL	Section 13	Township 18-S	Range 37-E	Unit L E	.etter	
8-5/8" @ 304'	Surface Casir Size 8- 5/ TOC SUF Hole size	/8"	Tubular Data Cemented with Determined by	282 CIRC	_ sxs.	
	Intermediate (Size TOC Hole size		Cemented with Determined by		sxs.	
	Long string Ca Size 5-1/2 TOC 874'	2"	Cemented with Determined by	1800 CBL	sxs.	
	Liner Size TOC Hole size		Cemented with Determined by		sxs.	
5-1/2" · @ 4199'	Total depth	4235'	<u> </u>	•		
	Injection inter Approx		feet to TD			
	Completion ty	rpe Pe	erforated Casir	ng		
Tubing size 2-7/8" lined with	Duoline (Fit	oerglass lin	er)	set in	ıa	
Guiberson - Uni VI (brand and model)	Packer at	Within	100 feet	of top perf		
Other Data						
1. Name of the injection formation San A	ndres					
2. Name of field or Pool Hobbs	s; Grayburg – Sa	an Andres				
Is this a new well drilled for injection? If no, for what purpose was the well originally	Yes drilled?	Producer_	No			
Has the well ever been perforated in any other z detail (sacks of cement or bridge plug(s) used		ch perforated	intervals and give	plugging		
5. Give the depth to and name of any overlying and	d/or underlying oil ar	nd gas zones	(pools) in this area	a.		
Byers 3740, Glorieta - 5300						



Operator	Lease	0/04.11	County			
	an Limited Partnership	North Hobbs		Lea		
	age Location	Section	Townshi		Unit Le	tter
13-221 198	0' FNL & 1980' FWL	13	18-S	37-E	F	
<u>S</u>	chematic	Surface Casing Size 8-5/8' TOC SURF Hole size Intermediate Ca Size TOC	· · · · · · · · · · · · · · · · · · ·	Tubular Data Cemented with Determined by Cemented with Determined by	300 CIRC	sxs.
		Hole size				
0.5/01	==	Long string Cas			1700	
8-5/8"	Į	Size 5-1/2'		Cemented with	1700	sxs.
@'307'	ĺ	TOC 1777		Determined by	CBL	
		Hole size				
5-1/2"		<u>Liner</u> Size		Cemented with		sxs.
@ 4159'		TOC		Determined by		_ 0.0.
		Hole size		Dotominiou by		:
		11010 3120				
		Total depth	4160'			
		Total dopar		_		
	•.	Injection interva Approx. 4		feet to TD		*:
		Completion typ	<u>e</u> <u>P</u>	erforated Casir	ng	
Tubing size 2-7	7/8" lined with	Duoline (Fibe	erglass li	ner)	set in a	ı
Guiberson – Uni V	√I	packer at	Within	100 feet	of the top per	rf.
	nd and model)	_ packer at		1000		
Other Data	,					
1. Name of the injection	on formation San And	res	·			
2. Name of field or Po	ol Hobbs; C	Grayburg – Sar	Andres	-		
3. Is this a new well de If no, for what pe	rilled for injection? urpose was the well originally dril	Yes P	roducer	No		
	een perforated in any other zone cement or bridge plug(s) used)	e(s)? List all such None	perforated	d intervals and give	plugging	
· · · · · · · · · · · · · · · · · · ·						
				· 		
	nd name of any overlying and/or	underlying oil and	gas zones	(pools) in this area	a.	
_Grayburg - 3	3270, Glorieta – 5300					

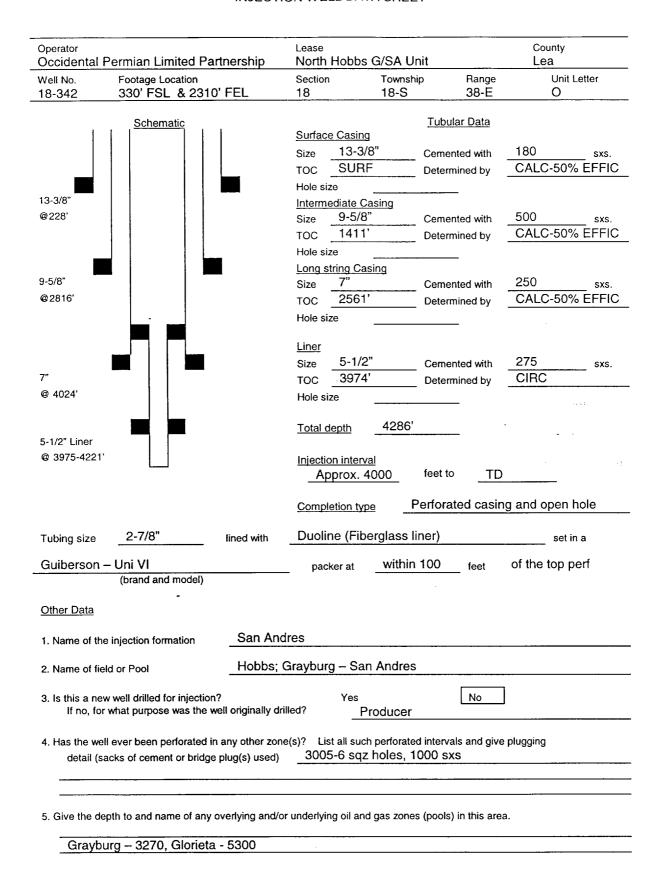
Operator Occidental Permian Limited Partnership	Lease North Hobb	s G/SA Unit	t	County Lea	
Well No. Footage Location 13-241 660' FSL & 1980' FWL	Section 13	Township 18-S	Range 37-E	Unit Letter N	
Schematic	Surface Casi Size 10-3 TOC SUI Hole size	ng 3/4" (Tubular Data Cemented with Determined by	150 sxs.	
10-3/4" @ 236'	Intermediate Size 7-5/ TOC 386 Hole size	<u>'8"</u> (Demented with Determined by	300 sxs. CALC-50% EFFIC	
7-5/8" @ 1615'	Long string C Size 5-1/ TOC SUI Hole size	<u>/2"</u> (Cemented with Determined by	400 sxs.	
5-1/2" @ 4012'	Liner (Propos Size 4" TOC Circ Hole size	(Cemented with Determined by	50 (est.) sxs.	
4" @4320'	Total depth Injection inte Approx.		feet toTD	19 11 2	
	Completion t	ype Pe	rforated Casir	ng	
Tubing size 2-7/8" lined with	Duoline (Fi	berglass line	er)	set in a	
Guiberson – Uni VI (brand and model)	packer at	Within 1	00 feet	of the top perf.	
Other Data	a dua a				
1. Name of the injection formation San Ar		A			
2. Name of field or Pool HODDS	; Grayburg – S	an Andres			
Is this a new well drilled for injection? If no, for what purpose was the well originally the second	Yes drilled?	Producer	No		
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) Sqz hole 2380-81, 750 sxs circulated to surface					
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.					
Grayburg - 3270, Glorieta - 5300					

Operator	Lease		_	County		
Occidental Permian Limited Partnership	North Hobbs	G/SA Un	it	Lea		
Well No. Footage Location	Section	Township		Unit L	etter	
13-341 660' FSL & 1980' FEL	13	18-S	37-E	0		
Schematic 12-1/2" @ 245'	Surface Casing Size 12-1/ TOC SUR Hole size Intermediate C Size 9-5/8 TOC 902'	Easing	Tubular Data Cemented with Determined by Cemented with Determined by	150 CALC-50% 200 CALC-50%	sxs.	
9-5/8" @ 1612'	Hole size Long string Ca Size 7" TOC 3030 Hole size		Cemented with Determined by	275 CBL	sxs.	
7" @ 3960'	Liner Size 5" TOC TOL Hole size	1000	Cemented with Determined by	110 CIRC	sxs.	
5" Liner @ 3745-4262'	Total depth Injection intended Approx.	1000	feet to TD			
Tubing size 3-1/2" lined with	Completion type Duoline (Fib		erforated Casir			
Tubing size 3-1/2" lined with	Duoine (Fib	ergiass iii	ier)	set in	а	
Guiberson – Uni VI	packer at	Within	100 feet	of top perf.		
(brand and model)						
Other Data	. %					
1. Name of the injection formation San And	dres					
2. Name of field or Pool Hobbs;	Grayburg – Sa	n Andres			<u>.</u>	
Is this a new well drilled for injection? If no, for what purpose was the well originally dr	Yes illed? <u>F</u>	roducer	No			
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.						
Grayburg - 3270, Glorieta - 5300						

Operator	Lease			County		
Occidental Permian Limited Partnership	North Hobb	s G/SA Unit		<u>Lea</u>		
Well No. Footage Location	Section	Township	Range	Unit Le	etter	
13-441 330' FSL & 330' FEL	13	18-S	37-E	P		
<u>Schematic</u>	Surface Casir Size 12-1 TOC SUF Hole size	ig /2" Ce	ubular Data emented with etermined by	200 CIRC	sxs.	
12-1/2" @ 228'	Intermediate (Size 9" TOC SUF Hole size	Ce	emented with	600 CIRC	sxs.	
9" @2786'	Long string Career Size 7" TOC 3074 Hole size	Ce	emented with etermined by	250 CBL	_ sxs.	
7" @ 3922'	Liner Size 5-1/ TOC TOL Hole size		emented with etermined by	100 CALC-50%	_ sxs. EFFIC	
5-1/2" Liner @ 3844-4258'	Total depth Injection inter Approx.		et to <u>TD</u>			
	Completion ty	pe Perf	orated Casir	ng		
Tubing size 2-7/8" lined with	Duoline (Fit	erglass liner	r)	set in	a	
Guiberson – Uni VI (brand and model)	packer at	Within 10	00 feet	of top perf.		
Other Data						
1. Name of the injection formation San An	dres					
2. Name of field or Pool Hobbs;	Grayburg - Sa	n Andres				
Is this a new well drilled for injection? If no, for what purpose was the well originally of the control	Yes rilled?	Producer	No			
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) 2778-80 sqz holes, 335 sxs circulated to surface.						
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.						
Grayburg – 3270, Glorieta - 5300		- "				

Operator Occidental Permia	Lease North Hobbs G/SA Unit			County Lea		
Well No. Foot	age Location 0' FNL & 1650' FEL	Section 14	Townshi	p Range 37-E	Unit Letter G	
	Schematic	Surface Casing Size 9-5/8' TOC SURF	1	Tubular Data Cemented with Determined by	325 sxs.	
	·	Hole size Intermediate Considerate Conside	asing	Cemented with Determined by	sxs.	
5-1/2"		Size 5-1/2' TOC 2647' Hole size		Cemented with Determined by	600 sxs.	
@ 4274'		Liner (Propose Size 4 TOC TOL		Cemented with	50 (est.) sxs.	
4"		Total depth Injection interva	(Currei	sed deepening	to 4350'	
@ 4350'		Approx. 4 Completion typ		feet to TD erforated Casin	99	
Tubing size 2-7	7/8" fined with	Duoline (Fibe	erglass li	ner)	set in a	
Guiberson – Uni	VI nd and model)	packer at	Within	100 feet	of top perf.	
Other Data		roo				
1. Name of the injection			Androc			
Name of field or Po	pol Hobbs, G	Grayburg - Sar	Andres			
3. Is this a new well d If no, for what po	rilled for injection? urpose was the well originally dril	Yes P	roducer	No		
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) 3405-3450 - Bowers - Sqzd with 100 sx cmt.						
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.						
Byers 3500	0, Glorieta – 5300					

Operator Lease Occidental Permian Limited Partnership North Hobbs G/SA Un				nit	County Lea		
Well No. 14-341	Footage Location 660' FSL & 1650		Section 14	Townshi 18-S	Unit Letter O		
8-5/8" @303'	Schematic	. ==	Surface Casin Size 8-5/ TOC SUF	ng '8"	37-E Tubular Data Cemented with Determined by	250 CIRC	_ sxs.
			Hole size Intermediate Size TOC Hole size	Casing	Cemented with Determined by		_ sxs.
5-1/2"			Long string C Size 5-1/ TOC 292 Hole size	2"	Cemented with Determined by	400 CBL	_ sxs.
∅ 4143'			Liner (Propos Size 4" TOC TOI Hole size	ed) (est.)	Cemented with Determined by	50 (est.)	_ sxs.
4" @ 4350'			Total depth Injection inte Approx.	(Currel rval 4000	sed deepening nt TD is 4176') feet toTD		<u> </u>
Tubing size	2-7/8"	lined with	Completion to Duoline (Fi		erforated Casir	<u>ng</u> set in a	a
Guiberson -	- Uni VI (brand and model)		_ packer at	Within	100 feet	of top perf.	
Other Data		San And	Ires				
	injection formation		Grayburg – S	an Andres			
2. Name of field or Pool Hobbs; Grayburg – San Andres 3. Is this a new well drilled for injection? 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							
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area. Byers 3500, Glorieta 5300							



Operator Occidental P	ermian Limited Partnership	Lease North Hobb	s G/SA Unit		County Lea	
Well No.	Footage Location	Section	Township	Range	Unit Letter	
New Well	TBD	18	18-S	38-E	SE corner J	
	Schematic	Surface Casir Size 16" TOC SUF Hole size	ng Co	Fubular Data emented with etermined by	NW corner P 40 EST. sxs. CIRC	
16" @ 40' EST.		Intermediate (Size 8-5/STOC SUF	<u>8"</u> c	emented with etermined by	850 EST. sxs.	
8-5/8" @ 1606' EST.		Long string C Size 5-1/ TOC SUF Hole size	2" c	emented with etermined by	1000 EST. sxs.	
5-1/2" @ 4510' EST.		Liner Size TOC Hole size	-	emented with etermined by	sxs.	
		Total depth Injection inter Approx. Completion ty	4000 fe	eet to 450 forated Casir		
Tubing size	2-7/8" lined with	Duoline (Fil	oerglass line	r)	set in a	
Guiberson -	Uni VI (brand and model)	_ packer at	Within 10	00 feet	of the top perf.	
Other Data 1. Name of the	injection formation San And	lres				
2. Name of field	4.1-1-1	Grayburg – Sa	an Andres			
3. Is this a new well drilled for injection? 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						
5. Give the dep	oth to and name of any overlying and/o	r underlying oil a	nd gas zones (p	ools) in this area	a.	
Graybu	rg – 3270, Glorieta – 5300					

Operator	Lease	s G/SA Unit		County Lea		
Occidental Permian Limited Partnership						
Well No. Footage Location	Section	Township	Range	Unit Letter		
New Well TBD	18	18-S	38-E	SE corner L		
Cahamatia		т	ubular Data	NW corner N		
<u>Schematic</u>	Surface Casir		ubulai Data			
	4.01	_	طافتين المصادمة	40 EST. sxs.		
		\ <u></u>	emented with	CIRC sxs.		
		1F De	etermined by	CINC		
	Hole size					
16"	Intermediate (
@ 40' EST.	Size 8-5/	<u>8" </u>	emented with	850 EST. sxs.		
	TOC SUF	RF De	etermined by	CIRC		
	Hole size					
	Long string C	asing				
8-5/8"	Size 5-1/2	011	emented with	1000 EST. sxs.		
@ 1606' EST.		\ <u>-</u>		CIRC		
9 1000 2011		<u> </u>	etermined by	OITIO		
	Hole size		····			
	1:					
E 1/0"	<u>Liner</u>					
5-1/2"	Size	Ce	emented with	SXS.		
@ 4510' EST.	TOC	De	etermined by			
	Hole size					
			_			
	Total depth	4510' ES	<u>1.</u>	•		
	Injection inter					
	Approx.	<u>4000</u> te	et to	00 feet		
	Completion ty	_{rpe} Perf	orated Casir	ng		
Tubing size 3-1/2" lined with	Duoline (Fil	perglass line	r)	set in a		
Guiberson – Uni VI	packer at	Within 10	00 feet	of the top perf.		
(brand and model)						
Other Data						
1. Name of the injection formation San And	dres					
2. Name of field or Pool Hobbs;	Grayburg – Sa	n 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 zon		ch perforated int	tervals 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.						
		J				
Grayburg - 3270, Glorieta - 5300						

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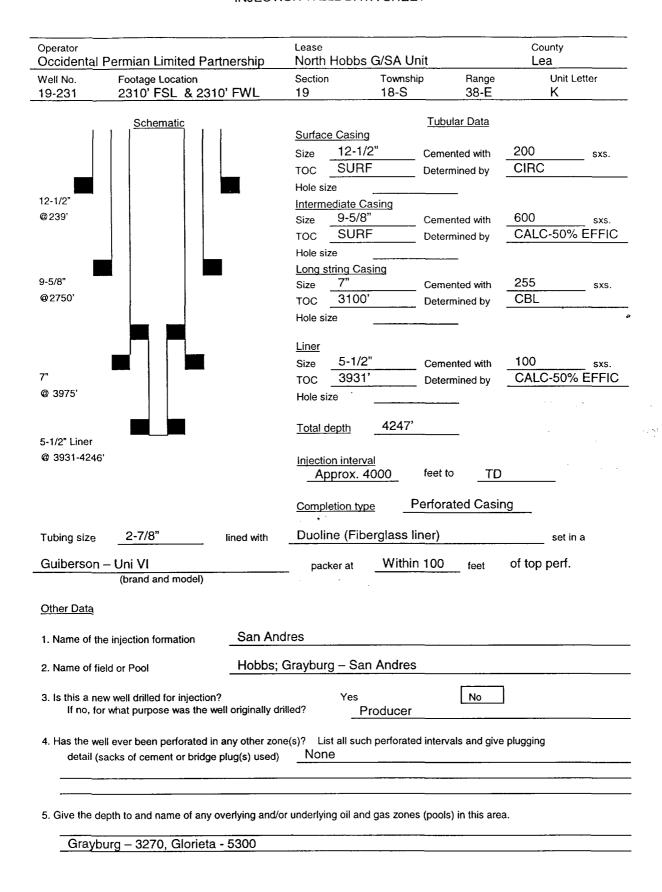
Operator Occidental P	ermian Limited Partnership	Lease North Hobbs	s G/SA Unit		County Lea	
Well No.	Footage Location	Section	Township	Range	Unit Letter	
New Well	TBD	18	18-S	38-E	E side M	
	Schematic	Surface Casin Size 16" TOC SUR	g C	Tubular Data Cemented with Determined by	W side N 40 EST. sxs. CIRC	
16" @ 40' EST.		Hole size Intermediate C Size 8-5/8 TOC SUP Hole size	3" c	Cemented with	850 EST. sxs.	
8-5/8" @ 1606' EST.		Size 5-1/2 TOC SUF	2" c	Cemented with Determined by	1000 EST. sxs.	
5-1/2" @ 4510' EST.		Liner Size TOC Hole size		Cemented with Determined by	sxs.	
		Total depth Injection inter Approx.		ST	00 feet	
		Completion ty	pe Per	forated Casir	ng	
Tubing size	2-7/8" lined with	Duoline (Fit	erglass line	er)	set in a	
Guiberson -	- Uni VI (brand and model)	_ packer at	Within 1	00 feet	of the top perf.	
Other Data	injection formation San And			·		
		Grayburg – Sa	ın Andres			
2. Name of field						
3. Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? Injection No						
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.						
	rg – 3270, Glorieta – 5300			•		
	.g JE10, G10.10ta 0000					

Operator Occidental Permian Limited Pa	artnership	Lease North Hobb	s G/SA Un	nit	County Lea	
Well No. Footage Location 19-112 990' FNL & 990		Section 19	Township 18-S	p Range 38-E	Unit Lett	er
Schematic 8-5/8" @ 251'		Surface Casi Size 8-5, TOC SUI	′8"	Tubular Data Cemented with Determined by	200 CIRC	sxs.
		Hole size Intermediate Size TOC Hole size	Casing	Cemented with Determined by		sxs.
		Long string C Size 5-1/ TOC 110 Hole size	/2"	Cemented with Determined by	1500 CBL	sxs.
5-1/2'' @ 4254'		Liner Size TOC		Cemented with Determined by		sxs.
W 4254		Hole size Total depth Injection inte				
	•	Approx		feet to <u>TD</u> erforated Casir		
Tubing size 3-1/2"	lined with	Duoline (F	berglass li	ner)	set in a	
Guiberson – Uni VI (brand and model)		_ packer at	Within	100 feet	of top perf.	
Other Data						
1. Name of the injection formation	San And	dres				
2. Name of field or Pool	Hobbs;	Grayburg – S	an Andres			
Is this a new well drilled for injection If no, for what purpose was the	n? well originally dri	Yes illed?	Producer	No]	
4. Has the well ever been perforated detail (sacks of cement or bridgen end of the company of t		e(s)? List all su None	uch perforated	d intervals and give	e plugging	
5. Give the depth to and name of any		r underlying oil a	and gas zones	(pools) in this are	a.	

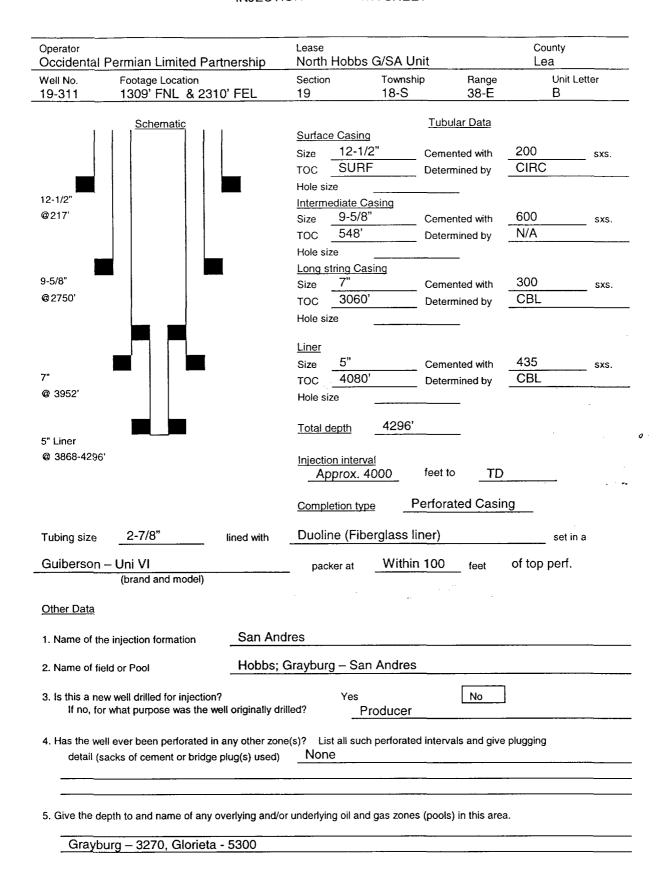
Operator		Lease	O/O A 1 Imia		County
Occidental P	ermian Limited Partnership	North Hobbs			Lea
Well No.	Footage Location	Section	Township	Range	Unit Letter D
New Well	TBD	19	18-S	38-E	<u> </u>
	Schematic	Surface Casing Size 16" TOC SUR Hole size	g C	Tubular Data Cemented with Determined by	40 EST. sxs.
16" @ 40' EST.		Intermediate C Size 8-5/8 TOC SUR Hole size	<u>"</u> C	Cemented with Determined by	850 EST. sxs.
8-5/8" @ 1606' EST.		Long string Ca Size 5-1/2 TOC SUR	C	Cemented with	1000 EST. sxs.
		Hole size			·
5-1/2" @ 4510' EST.		<u>Liner</u> Size TOC		Cemented with	sxs.
		Hole size		betermined by	
		Total depth Injection interv Approx.		ST	00 feet
		Completion type	<u>pe</u> <u>Per</u>	forated Casir	ng .
Tubing size	2-7/8" lined with	Duoline (Fib	erglass line	er)	set in a
Guiberson -	Uni VI (brand and model)	packer at	Within 1	00feet	of the top perf.
Other Data	(Claric and any 20)				
1. Name of the	injection formation San Ar	ndres	*		
2. Name of field	d or Pool Hobbs	; Grayburg – Sa	n Andres		
	well drilled for injection? what purpose was the well originally	Yes	njection	No	
	ever been perforated in any other zo	` ' • .	h perforated ir	ntervals and give	plugging
			·		
5. Give the dep	oth to and name of any overlying and	/or underlying oil an	d gas zones (p	pools) in this are	a.
Graybu	rg – 3270, Glorieta – 5300				

Operator	D 12 12 2 10		Lease	0(04.11	. **	County	
	Permian Limited Pa	artnership	North Hobb			Lea	
Well No.	Footage Location	001 514/1	Section	Townshi		Unit Let	er
19-142	1200' FSL & 13	OO. FWL	19	18-S	38-E	N	
16" @ 40' 8-5/8" @ 1600'	Schematic		Surface Casing Size 16" TOC SUR Hole size Intermediate 8-5/TOC SUR Hole size Long string Constraint	Casing 8" RF	Tubular Data Cemented with Determined by Cemented with Determined by Cemented with Determined by	40 CIRC 875 CIRC	sxs.
			Hole size				-
5-1/2"			<u>Liner</u> Size		Cemented with		sxs.
@ 4510'			TOC		Determined by		3,3.
			Hole size		20tonimod 27		
			Total depth Injection inte Approx.		feet to TD	·	
			Completion t	<u>ype</u> F	Perforated Casi	ng	
Tubing size	3-1/2"	lined with	Duoline (Fi	berglass li	ner)	set in a	
Guiberson	– Uni VI		packer at	Withir	100 feet	of top perf.	
	(brand and model)				<u></u>		
Other Data							
1. Name of th	e injection formation	San And	res				
2. Name of fie	eld or Pool	Hobbs; (Grayburg – S	an Andres			
	ew well drilled for injection or what purpose was the		Yes lled?	Injection	No]	
	ell ever been perforated cacks of cement or bridg	•	e(s)? List all su None	ch perforate	d intervals and give	e plugging	
5. Give the d	epth to and name of any	y overlying and/or	r underlying oil a	nd gas zones	s (pools) in this are	a.	
Grayb	urg – 3270, Gloriet	a – 5300					
	·						

Operator	and a timber of Danks and the	Lease		:4	County
	ermian Limited Partnership	North Hobbs			Lea
Well No.	Footage Location	Section	Township	-	Unit Letter
New Well	TBD	19	18-S	38-E	N
	Schematic	Surface Casing Size 16" TOC SURF Hole size		Tubular Data Cemented with Determined by	40 EST. sxs.
16" @ 40' EST.		Intermediate Ca Size 8-5/8" TOC SURF Hole size		Cemented with Determined by	850 EST. sxs.
8-5/8" @ 1606' EST.		Long string Cas Size 5-1/2" TOC SURF Hole size		Cemented with Determined by	1000 EST. sxs.
5-1/2" @ 4510' EST.		Liner Size TOC Hole size		Cemented with Determined by	sxs.
		Total depth	4510' E	EST.	• • • • • • • • • • • • • • • • • • • •
		Approx. 40 Completion type		feet to450 erforated Casin	 _
Tubing size	2-7/8" lined with	Duoline (Fibe	rglass lin	ner)	ੳ set in a
Guiberson –	Uni VI (brand and model)	_ packer at	Within	100 feet	of the top perf.
Other Data		•			
1. Name of the i	njection formation San And	dres			
2. Name of field	or Pool Hobbs;	Grayburg – San	Andres		
	well drilled for injection? that purpose was the well originally dr	Yes illed? Inj] ection	No	
	ever been perforated in any other zon- ks of cement or bridge plug(s) used)	e(s)? List all such None	perforated	intervals and give	e plugging
5. Give the dept	th to and name of any overlying and/o	r underlying oil and	gas zones	(pools) in this are	a.
Graybur	g – 3270, Glorieta – 5300				·



Operator	Permian Limited Partnership	Lease North Hobbs	cG/SA Un	i t	County Lea
Well No.	Footage Location	Section	Township		Unit Letter
19-232	2501' FSL & 1410' FWL	19	18-S	38-E	K
	Schematic	Surface Casin Size 13-3 TOC N/A		Tubular Data Cemented with	N/A sxs.
				Determined by	IN/A
10.010		Hole size			
13-3/8"		Intermediate (
@40'		Size 9-5/8		Cemented with	425 sxs.
		TOC SUF	<u> </u>	Determined by	CIRC
		Hole size			
		Long string Ca	asing		
9-5/8"	_	Size 7"		Cemented with	900 sxs.
@1498'		TOC SUF	iF	Determined by	CIRC
		Hole size		,	
		11010 0120			
		Liner			
7"		Size		Cemented with	sxs.
@ 4419'		TOC	,	Determined by	
		Hole size	 _	Determined by	
		Tiole Size	- : :		
	;	Total depth	4420'		More than
		Injection inter Approx.		feet to TD	
		Completion ty	pe Po	erforated Casir	ng
Tubing size	2-7/8" lined with	Duoline (Fit	erglass lir	ner)	set in a
Guiberson -	- Uni VI (brand and model)	_ packer at	Within	100 feet	of the top perf.
Other Data	(brand and model)				· «3
	injection formation San And	ires			
2. Name of fiel		Grayburg – Sa	n Andres		
					
	vwell drilled for injection? what purpose was the well originally dr	Yes illed?	Producer	No	
	ever been perforated in any other zon	e(s)? List all sud None	ch perforated	intervals and give	plugging
uetaii (Sa	icks of cement or bridge plug(s) used)				
-	<u> </u>	· · ·			
5. Give the dep	oth to and name of any overlying and/o	r underlying oil ar	d gas zones	(pools) in this area	а.
Graybu	irg - 3270, Glorieta - 5300				



Operator	ermian Limited Partnership	Lease North Hobbs (3/SA Hr	nit	County L ea	
Well No.	Footage Location	Section	Township		Unit Let	tor.
19-332	1430' FSL & 2535' FEL	19	18-S	38-E	J	iei
	Schematic	Surface Casing Size 13-3/8 TOC N/A		Tubular Data Cemented with Determined by	REDIMIX CIRC	sxs.
13-3/8" @ 40'		Hole size Intermediate Ca Size 9-5/8" TOC SURF Hole size		Cemented with Determined by	625 CIRC	sxs.
9-5/8" @ 1510'		Long string Cas Size 7" TOC SURF Hole size		Cemented with Determined by	955 CIRC	sxs.
7" @ 4368'		Liner Size TOC Hole size		Cemented with Determined by		sxs.
		Total depth Injection interva Approx. 46	-	feet to TD		· · · · · · · · · · · · · · · · · · ·
		Completion type		erforated Casir	ng	
Tubing size	2-7/8" lined with	Duoline (Fibe	rglass lii	ner)	set in a	
Guiberson –	Uni VI	packer at	Within	100 feet	of the top per	f.
	(brand and model)	_ paonor ar	<u> </u>			
Other Data	·			*		
1. Name of the	injection formation San And	Ires				
2. Name of field	Tor Pool Hobbs; C	Grayburg – San	Andres			
	well drilled for injection? vhat purpose was the well originally dri	Yes lled? Pr	oducer	No		
	ever been perforated in any other zone cks of cement or bridge plug(s) used)	e(s)? List all such None	perforated	d intervals and give	plugging	
5. Give the dep	th to and name of any overlying and/o	r underlying oil and	gas zones	(pools) in this area	а.	
Graybu	rg – 3270, Glorieta – 5300					

Operator			Lease		NO 6 1 L	**	County	
Occidental P	ermian Limited Pa	rtnership	North	Hobbs C	i/SA Un	<u>iit</u>	<u>Lea</u>	
Well No.	Footage Location		Section	ì	Township	_	Unit Le	tter
19-411	1300' FNL & 130	00' FEL	19		18-S	38-E	A	
	<u>Schematic</u>		<u>Surfac</u> Size TOC	e Casing 12-1/2' SURF	,	Tubular Data Cemented with Determined by	200 CIRC	sxs.
			Hole si	ze				
12-1/2"			Interm	ediate Cas	ina			
@226'			Size	7"	<u></u>	Cemented with	700	sxs.
			TOC	2574'		Determined by	CBL	-
			Hole si			Dotoriii iod by		
				-	3.0			
7"	-			tring Casi	<u>19</u>	Composted with		ave
@3966'			Size			Cemented with		sxs.
6 0000			TOC			Determined by		
			Hole si	ze -				
			Linor					
4-1/2"			<u>Liner</u>	4-1/2"			100	
@ 3867-4342'			Size	3484'		Cemented with	CALC-50%	SXS.
₩ 3007-4342			TOC			Determined by	CALC-30 /6	<u> </u>
			Hole si	ze -			1 1.5	
					1040			
			Total o	<u>lepth</u>	4342'	-		
			-	on interval oprox. 40	00	feet to TD		·
			Compl	etion type	P	erforated Casir	ng	
Tubing size	3-1/2"	lined with	Duoli	ne (Fiber	glass lir	ner)	set in a	ı
Guiberson -	- Uni VI		nac	ker at	Within	100 feet	of top perf.	
- Caliboroon	(brand and model)	-	- Pac	nor at		1001	o. 10p po	
Other Data	,				•	d .		
1. Name of the	injection formation	San And	res					
2. Name of field	d or Pool	Hobbs; G	Graybur	g – San	Andres			
	well drilled for injection what purpose was the w		led?	Yes Pro	oducer	No		
,	• •							
	ever been perforated in cks of cement or bridge	·				intervals and give		20 sxs
	·=-							
5. Give the dep	oth to and name of any	overlying and/or	underlyi	ng oil and o	jas zones	(pools) in this area	а.	
Graybu	rg – 3270, Glorieta	- 5300						

Operator	ermian Limited Partnership	Lease North Hobbs	G/SA Lin	it	County Lea
Well No.	Footage Location	Section	Township		Unit Letter
19-431	1650' FSL & 990' FEL	19	18-S	38-E	<u> </u>
8-5/8'' @ 277'	Schematic	Surface Casing Size 8- 5/8 TOC SURF	3"	Tubular Data Cemented with Determined by	200 sxs.
		Intermediate Consider		Cemented with Determined by	sxs.
		Long string Cas Size 4-1/2 TOC 2537' Hole size		Cemented with Determined by	435 sxs.
		Liner Size TOC Hole size		Cemented with Determined by	sxs.
4-1/2'' @ 4285'		Total depth	4286'		·
		Injection interv Approx. 4	_	feet to TD	
		Completion typ	<u>e Pe</u>	erforated Casin	<u>g</u>
Tubing size	2-7/8" lined with	Duoline (Fibe	erglass lir	ner)	set in a
Guiberson -		Packer at	Within	100 feet	of top perf.
Other Data	(brand and model)				
1. Name of the	injection formation San And	res			
2. Name of field	for Pool Hobbs; (Grayburg - Sar	n Andres		
	well drilled for injection? what purpose was the well originally dri	Yes	roducer	No	
	ever been perforated in any other zone cks of cement or bridge plug(s) used)	e(s)? List all such None	n perforated	intervals and give	plugging
5. Give the dep	th to and name of any overlying and/or	underlying oil and	d gas zones	(pools) in this area	 1.
Byers 3	740, Glorieta – 5300				

Operator Occidental Permian Limited Partnership	Lease North Hobbs	s G/SA Unit		County L ea	
Well No. Footage Location 20-233 1610' FSL & 1850' FWL	Section 20	Township 18-S	Range 38-E	Unit Letter K	
Schematic	Surface Casin Size 16" TOC SUR Hole size	g Cen	bular Data nented with ermined by	40 sxs.	
16" @ 40'	Intermediate C Size 8-5/8 TOC SUR Hole size	3" Cen	nented with ermined by	850 sxs.	
8-5/8" @ 1500'	Long string Ca Size 5-1/2 TOC SUF Hole size	Cen	nented with ermined by	1050 sxs.	
5-1/2"	Liner Size TOC Hole size		nented with ermined by	sxs.	
	Total depth Injection inten Approx.		to <u>TD</u>	<u>.</u> .	
	Completion ty	pe Perfo	rated Casin	g	
Tubing size 3-1/2" lined with	Duoline (Fib	erglass liner)		set in a	
Guiberson – Uni VI (brand and model)	_ packer at	Within 100) feet	of the top perf.	
Other Data					
1. Name of the injection formation San And	dres				
2. Name of field or Pool Hobbs;	Grayburg – Sa	n Andres			
Is this a new well drilled for injection? If no, for what purpose was the well originally defined to the second sec	Yes rilled? <u>I</u>	njection	No		
Has the well ever been perforated in any other zor detail (sacks of cement or bridge plug(s) used)	ne(s)? List all suc None	ch perforated inte	rvals and give	plugging	
		· · · · · · · · · · · · · · · · · · ·			
5. Give the depth to and name of any overlying and/o	or underlying oil an	d gas zones (pod	ols) in this area		
Grayburg - 3270, Glorieta - 5300	····				

Operator	Lease			County
Occidental Permian Limited Partnership	North Hobbs	s G/SA Unit		Lea
Well No. Footage Location New Well TBD	Section 20	Township 18-S	Range 38-E	Unit Letter
Schematic	Surface Casin Size 16" TOC SUF	g Cemer	_	40 EST. sxs.
16" @ 40' EST.	Intermediate (Size 8-5/8) TOC SUF Hole size	Cemer		850 EST. sxs.
8-5/8" @ 1606' EST.	Long string Car Size 5-1/2 TOC SUF	2" Cemer	nted with nined by	1000 EST. sxs.
5-1/2"	Liner Size TOC Hole size		nted with _ nined by _	sxs.
	- Total depth Injection inter	4510' EST.	- -	
	Approx.		4500	feet
10 H	Completion ty		ted Casing	<u>. </u>
Tubing size 2-7/8" lined with	Duoline (Fit	erglass liner)		set in a
Guiberson – Uni VI (brand and model)	packer at	Within 100	_ feet C	of the top perf.
Other Data				
1. Name of the injection formation San Ar	ndres			
2. Name of field or Pool Hobbs	Grayburg – Sa	n Andres		 -
Is this a new well drilled for injection? If no, for what purpose was the well originally or the second seco	Yes I	njection	No	
Has the well ever been perforated in any other zo detail (sacks of cement or bridge plug(s) used		ch perforated interva	als and give p	lugging
5. Give the depth to and name of any overlying and	or underlying oil ar	d gas zones (nools)	in this area	
Grayburg – 3270, Glorieta – 5300	- undonying on ar			· · · · · · · · · · · · · · · · · · ·
Sidybarg Caron Choriota Cooo				

Operator	ermian Limited Partnership	Lease North Hobbs	G/SA Un	nit	County Lea
Well No.	Footage Location	Section	Township		Unit Letter
New Well	TBD	20	18-S	38-E	SE corner D
					NW corner F
	Schematic	Surface Casing Size 16" TOC SURI		Tubular Data Cemented with Determined by	40 EST. sxs.
16" @ 40' EST.		Hole size Intermediate C Size 8-5/8 TOC SURI Hole size	"	Cemented with Determined by	850 EST. sxs.
8-5/8" @ 1606' EST.		Long string Ca Size 5-1/2 TOC SURI Hole size		Cemented with Determined by	1000 EST. sxs.
5-1/2" @ 4510' EST.		Liner Size TOC Hole size		Cemented with Determined by	sxs.
		Total depth	45 10 ' l	EST.	. • • • • • • • • • • • • • • • • • • •
		Injection interv Approx. 4		feet to450	00 feet
		Completion typ	<u>P</u>	erforated Casir	ng .
Tubing size	2-7/8" lined with	Duoline (Fib	erglass lii	ner)	set in a
Guiberson –	Uni VI (brand and model)	_ packer at	Within	100 feet	of the top perf.
Other Data	(
1. Name of the	injection formation San And	Ires			
2. Name of field	d or Pool Hobbs; (Grayburg – Sai	n Andres		
	well drilled for injection? what purpose was the well originally dri	Yes Ir] njection	No	·
	ever been perforated in any other zone cks of cement or bridge plug(s) used)	e(s)? List all such None	h perforated	d intervals and give	plugging
			.,		
	oth to and name of any overlying and/o	r underlying oil and	d gas zones	(pools) in this are	a.
Graybu	rg – 3270, Glorieta – 5300			•	

Operator Occidental Pr	ermian Limited Partnership	Lease North Hobbs (G/SA Ur	nit	County Lea
Well No.	Footage Location	Section	Townshi	p Range	Unit Letter
23-321	1650' FNL & 1650' FEL	23	<u> 1</u> 8-S	37-E	G
8-5/8''	Schematic	Surface Casing Size 8- 5/8'	,	Tubular Data Cemented with	300 sxs.
@ 309'		TOC SURF		Determined by	CIRC sxs.
		Hole size			
•		Intermediate Ca	sing		
		Size		Cemented with	sxs.
		тос		Determined by	
		Hole size			
		Long string Casi	ing		
		Size 5-1/2"		Cemented with	1355 sxs.
5-1/2"	ļ	тос 2804'		Determined by	CBL
@ 4265'		Hole size			
		<u>Liner</u>			
	· ·	Size		Cemented with	sxs.
		TOC		Determined by	
		Hole size	 ,	Determined by	
			4265'		
		Total depth			•
		Injection interva Approx. 40	-	feet toTD	•-
		Completion type	<u>P</u>	erforated Casir	ng
Tubing size	2-7/8" lined with	Duoline (Fibe	rglass lii	ner)	set in a
Guiberson -		Packer at	Within	100 feet	of the top perf.
	(brand and model)				
Other Data					
1. Name of the	injection formation San And	res			
2. Name of field	or Pool Hobbs; C	Grayburg – San	Andres		
	well drilled for injection? that purpose was the well originally dril	Yes Pro	oducer	No	
	ever been perforated in any other zone eks of cement or bridge plug(s) used)	e(s)? List all such None	perforated	intervals and give	plugging
5. Give the dept	th to and name of any overlying and/or	underlying oil and	gas zones	(pools) in this area	a.
Byers 3	740, Glorieta – 5300				

Operator Occidental P	ermian Limited Partnership	Lease North Hobbs	: G/SA Uni	t	County Lea	
Well No. 23-341	Footage Location 990' FSL & 1650' FEL	Section 23	Township 18-S	Range 37-E	Unit Le	tter
8-5/8" @ 352'	Schematic	Surface Casin Size 8- 5/ TOC SUR Hole size	3" ————————————————————————————————————	Tubular Data Cemented with Determined by	180 CIRC	sxs.
		Intermediate C Size TOC Hole size		Cemented with Determined by		sxs.
5-1/2" @ 4302'		Long string Ca Size 5-1/2 TOC 2162 Hole size		Cemented with Determined by	750 CBL	sxs.
		Liner Size		Cemented with		sxs.
		Total depth Injection inten Approx.		feet to TD		
		Completion ty		rforated Casin	<u></u>	
Tubing size Guiberson –		Duoline (Fib	erglass line		set in a	a. =
Other Data	(brand and model)	· .	. •. ·	4. 2		
1. Name of the	injection formation San And	dres				
2. Name of field	d or Pool Hobbs;	Grayburg – Sa	n Andres			
	well drilled for injection? what purpose was the well originally dr	Yes illed? <u>F</u>	roducer	No		
	ever been perforated in any other zon cks of cement or bridge plug(s) used)	e(s)? List all suc None	h perforated i	intervals and give	plugging	
<u> </u>	oth to and name of any overlying and/o	or underlying oil an	d gas zones (pools) in this area	١.	

Operator	Lease	O/CA Lini	:•	County
Occidental Permian Limited Partnership	North Hobbs			Lea
Well No. Footage Location	Section	Township		Unit Letter
24-121 1650' FNL & 990' FWL	_24	18-S	37-E	<u>E</u>
Schematic	Surface Casing Size 12-1/2 TOC SURF Hole size		Tubular Data Cemented with Determined by	250 sxs. CALC-50% EFFIC
12-1/2"	Intermediate Ca	sina		
@ 228'	Size 9-5/8"		Cemented with	450 sxs.
	TOC 1557'		Determined by	CALC-50% EFFIC
	Hole size		Dotominou Dy	
	Long string Cas	ina		
9-5/8"	Size 7"		Cemented with	400 sxs.
@ 2821'	TOC 3214'			CBL SXS.
			Determined by	ODL
	Hole size			
7"	Liner Size 5-1/2" TOC 4012'		Cemented with Determined by	100 sxs.
@ 4053'	Hole size			
5-1/2" Liner @ 4012-4249'	Total depth Injection interva Approx. 40	_	feet to TD	
	Completion type			ng and Open Hole
Tubing size 3-1/2" lined with	Duoline (Fibe	rglass lin		set in a
Guiberson – Uni VI	nankar at	Within	100 foot	of top perf.
(brand and model)	packer at	***************************************	100 feet	or top peri.
Other Data				
1. Name of the injection formation San And	res	-		
2. Name of field or Pool Hobbs; G	Grayburg – San	Andres		
Is this a new well drilled for injection? If no, for what purpose was the well originally dril	Yes led? <u>Pr</u>	oducer	No	
Has the well ever been perforated in any other zone detail (sacks of cement or bridge plug(s) used)	e(s)? List all such	perforated	intervals and give	plugging
5. Give the depth to and name of any overlying and/or	underlying oil and	gas zones	(pools) in this area	1.
Grayburg - 3270, Glorieta - 5300				

Operator	ermian Limited Partnership	Lease North Hobbs	cG/SA Uni	i t	County Lea	
Well No. 24-141	Footage Location 1315' FSL & 1315' FWL	Section 24	Township 18-S	Range 37-E	Unit Let M	tter
24-141	1315 F3L & 1315 FWL		10-0	37-L	IVI	
	<u>Schematic</u>	Surface Casin Size 12-1 TOC SUR Hole size	/2"	Tubular Data Cemented with Determined by	175 NA	sxs.
12-1/2" @211'		Intermediate C Size 7" TOC 2604		Cemented with Determined by	800 CBL	sxs.
7" @ 4035'		Hole size Long string Ca Size TOC		Cemented with Determined by		sxs.
5"		Hole size <u>Liner</u> Size 5"		Cemented with	36	sxs.
@ 3962-4218'	- -	TOC: 3962 Hole size		Determined by	CALC-50%	
		Total depth	4270'			
		Injection inten		feet to TD	·	*t
		Completion ty	pe O	pen Hole		
Tubing size	3-1/2" lined with	Duoline (Fib	erglass lin	ier)	set in a	
Guiberson –	Uni VI (brand and model)	_ packer at	Within	100 feet	of open hole.	
Other Data 1. Name of the	injection formation San And	dres				
2. Name of field	I I alaba	Grayburg – Sa	n Andres			
	well drilled for injection? what purpose was the well originally dr	Yes illed? <u>F</u>	Producer	No		
detail (sa	ever been perforated in any other zon cks of cement or bridge plug(s) used) 102, 250 sxs	e(s)? List all suc 501, 839, s		intervals and give	plugging	
	oth to and name of any overlying and/o	or underlying oil an	d gas zones	(pools) in this area	a.	

Operator	Lease	o G/SA Unit		County Lea
Occidental Permian Limited Partnership		s G/SA Unit		
Well No. Footage Location	Section	Township	Range	Unit Letter
24-212 1263' FNL & 2605' FWL	24	18-S	37-E	C
<u>Schematic</u>	Surface Casir Size 13-3 TOC SUF Hole size	ng 3/8" c	Tubular Data Cemented with Determined by	200 sxs.
13-3/8" @ 40'	Intermediate (Size 9-5/STOC SUF	<u>8"</u> c	Cemented with	600 sxs.
9-5/8" @ 1500'	Long string C. Size 7" TOC SUF Hole size	C	Cemented with Determined by	850 sxs.
7" @ 4368'	Liner Size TOC Hole size		Cemented with Determined by	sxs.
	Total depth Injection inter Approx.		eet to <u>TD</u>	· - · · · · · · · · · · · · · · · · · ·
	Completion ty	vpe Per	rforated Casir	ng
Tubing size 2-7/8" lined with	Duoline (Fil	berglass line	er)	set in a
Guiberson – Uni VI	packer at	Within 1	00 feet	of the top perf.
(brand and model) Other Data 1. Name of the injection formation San An	dres			
	Grayburg – Sa	an Andres		
3. Is this a new well drilled for injection? If no, for what purpose was the well originally d	Yes rilled?	Producer	No	
Has the well ever been perforated in any other zoo detail (sacks of cement or bridge plug(s) used)	```	ch perforated in	ntervals and give	plugging
				
5. Give the depth to and name of any overlying and/	or underlying oil ar	nd gas zones (į	pools) in this area	a.
Grayburg - 3270, Glorieta - 5300				

Operator Occidental P	Permian Limited Partne		ease North Hobbs (G/SA Ut	nit	County Lea	
Well No. New Well	Footage Location TBD		Section 24	Townshi 18-S	ip Range 37-E	Unit Le B	tter
	Schematic	<u>\$</u> \$	Surface Casing Size 16" FOC SURF Hole size		Tubular Data Cemented with Determined by	40 EST. CIRC	sxs.
16° @ 40' EST.		5	ntermediate Ca Size 8-5/8" FOC SURF		Cemented with Determined by	850 EST.	_ sxs.
8-5/8" @ 1606' EST.		<u>l</u> 8	Hole size Long string Casi Size 5-1/2" FOC SURF Hole size		Cemented with Determined by	1000 EST.	_ \$xs.
5-1/2" @ 4510' EST.		\$	Liner Size FOC Hole size		Cemented with Determined by		_ sxs .
		- -	Total depth Injection interva Approx. 40	000_	feet to 450		* **\$
Tubing size		_	Completion type Duoline (Fibe		rerforated Casir	ngset in a	a
Guiberson -	- Uni VI (brand and model)		packer at	Within	100 feet	of the top pe	rf.
Other Data							
1. Name of the	injection formation _	San Andre	s				
2. Name of field	d or Pool	Hobbs; Gra	ayburg – San	Andres			
	well drilled for injection? what purpose was the well o	riginally drilled	Yes Inj] ection	No		
	ever been perforated in any cks of cement or bridge plug		? List all such None	perforated	d intervals and give	plugging	
	oth to and name of any overl		nderlying oil and	gas zones	s (pools) in this are	a.	

Operator	Lease	0/04 11=3		County
Occidental Permian Limited Partnership		s G/SA Unit		Lea
Well No. Footage Location	Section	Township 18-S	Range 37-E	Unit Letter J
24-331 1320' FSL & 1325' FEL	24	16-5	31-E	<u>J</u>
Schematic	Surface Casi Size 12- TOC SUI Hole size	ng 1/2" C	emented with	200 sxs.
12-1/2" @ 215'	Intermediate Size 9" TOC 119 Hole size	C D	emented with etermined by	400 sxs. CALC-50% EFFIC
9" @ 2810'	Long string C Size 7" TOC SU	c	emented with etermined by	300 sxs.
7"	Liner (Proposition of Size 5-1. TOC TO Hole size	/2 c	emented with	50 (est.) sxs.
5-1/2" @4210	Total depth Injection inte Approx		et to TD	*
	Completion t		forated Casir	ng
Tubing size 3-1/2" lined with	Duoline (Fi	berglass line	r)	set in a
Guiberson – Uni VI (brand and model)	packer at	Within 1	00feet	of the top perf.
Other Data				
1. Name of the injection formation San A				
2. Name of field or Pool Hobbs	s; Grayburg – S	an Andres		
Is this a new well drilled for injection? If no, for what purpose was the well originally	Yes drilled? —	Producer	No	
Has the well ever been perforated in any other zero detail (sacks of cement or bridge plug(s) used Seven Rivers – Sqz'd w/100 sx cmt.	_{d)} 2280'–Sa	uch perforated in lado – Sqz'd		plugging t., 2820'-Yates/
Color the death to and a second account to	المديية المعارضة المعارضة	nd gas zanas (z	ools) in this are	
5. Give the depth to and name of any overlying and	vor underlying oil a	mu gas zones (p		a.
Grayburg – 3270, Glorieta – 5300				

Operator Occidental P	county ental Permian Limited Partnership North Hobbs G/SA Unit Lea				
Well No. New Well	Footage Location TBD	Section 24	Township 18-S	Range 37-E	Unit Letter J
	Schematic	Surface Casin Size 16" TOC SUF	Tubul.	ar Data	40 EST. sxs.
16" 40' EST.		Intermediate (Size 8-5/8 TOC SUF Hole size	Cemen	·	850 EST. sxs.
8-5/8" @ 1606' EST.		Long string Carriage Size 5-1/2 TOC SUF	2" Cemer	ted with nined by	1000 EST. sxs.
5-1/2" @ 4510' EST.		Liner Size TOC	·	ited with nined by	sxs.
		Hole size Total depth Injection inter		-	
		Approx. Completion ty		4500 ed Casing	
Tubing size	2-7/8" lined with	Duoline (Fit	perglass liner)		set in a
Guiberson -	Uni VI (brand and model)	packer at	Within 100	_ feet (of the top perf.
Other Data	(Statid and model)				
1. Name of the	injection formation San An	dres			
2. Name of field	d or Pool Hobbs;	Grayburg - Sa	n Andres		
	well drilled for injection? what purpose was the well originally d	Yes rilled?	njection	No	
	ever been perforated in any other zon	` ´ . .	ch perforated interva	ls and give p	lugging
5. Give the dea	oth to and name of any overlying and/	or underlying oil ar	nd gas zones (nools)	in this area	
· .	erg – 3270, Glorieta – 5300	or underlying oil at			
	J == 1, 5, 5, 5, 5, 5				

Operator Occidental F	perator Lease County Occidental Permian Limited Partnership North Hobbs G/SA Unit Lea				
Well No. 24-411	Footage Location 990' FNL & 990' FEL	Section 24	Township 18-S		Unit Letter A
8-5/8" @ 322'	Schematic	Surface Casir Size 8-5/ TOC SUF Hole size	8"	Tubular Data Cemented with Determined by	210 sxs.
		Intermediate Size TOC	Casing	Cemented with Determined by	sxs.
5-1/2''		Hole size Long string C Size 5-1/ TOC 252 Hole size	2"	Cemented with Determined by	265 sxs.
∅ 4283'		Liner Size TOC Hole size		Cemented with Determined by	sxs.
		Total depth Injection intel Approx.		feet to TD	
		Completion to		erforated Casir	ng
Tubing size Guiberson -		Duoline (Fi	berglass lir Within		of top perf.
Other Data 1. Name of the	(brand and model) injection formation San An	dres			
2. Name of field		Grayburg - Sa	an Andres		
	well drilled for injection? what purpose was the well originally d	Yes rilled?	Producer	No]
	ever been perforated in any other zoocks of cement or bridge plug(s) used)		ich perforated	intervals and give	plugging
	oth to and name of any overlying and/	or underlying oil a	nd gas zones	(pools) in this area	a.
Byers -	- 3500, Glorieta – 5300				

Operator	ermian Limited Partnership	Lease North Hobbs	G/SA Un	it	County Lea
Well No.	Footage Location	Section	Township		Unit Letter
24-413	1200' FNL & 206' FEL	24	18-S	37-E	A
	Schematic	Surface Casing Size 16" TOC N/A Hole size		Tubular Data Cemented with Determined by	N/A sxs.
16" @ 40'		Intermediate C Size 8-5/8 TOC SURI Hole size	"	Cemented with Determined by	750 sxs.
8-5/8" @ 1520'		Long string Car Size 5-1/2 TOC SURI Hole size	n 	Cemented with Determined by	775 sxs.
5-1/2" @ 4400'		Liner Size TOC Hole size		Cemented with Determined by	sxs.
		Total depth Injection interv Approx. 4		feet to TD	1
		Completion typ	e P	erforated Casir	ng .
Tubing size	2-7/8" lined with	Duoline (Fibe	erglass lir	ner)	set in a
Guiberson –	Uni VI (brand and model)	_ packer at	Within	100 feet	of the top perf.
Other Data	injection formation San And	dres			
2. Name of field		Grayburg – Sar	n Andres		
3. Is this a new	well drilled for injection? what purpose was the well originally dr	Yes	roducer	No	
	ever been perforated in any other zon cks of cement or bridge plug(s) used)	e(s)? List all such None	n perforated	l intervals and give	plugging
5. Give the den	oth to and name of any overlying and/o	r underlying oil and	i gas zones	(pools) in this area	3.
	rg – 3270, Glorieta – 5300			<u> </u>	

Operator Occidental Permian Limited Partnership	Lease North Hobb	s G/SA Unit		County Lea
Well No. Footage Location 24-414 10' FNL & 1280' FEL	Section 24	Township 18-S	Range 37-E	Unit Letter A
Schematic	Surface Casir Size 13-3 TOC SUF Hole size	<u>Tubu</u> 19 1/8" Ceme	ular Data	N/A sxs.
13-3/8" @ 40'	Intermediate 6 Size 8-5/3 TOC SUF	8" Ceme		711 sxs.
8-5/8" @ 1520'	Hole size Long string C Size 5-1/ TOC SUF Hole size	2" Ceme		730 sxs.
5-1/2"	Liner Size TOC Hole size		ented with mined by	sxs.
	Total depth Injection inter Approx.		– > TD	
	Completion ty	D. (ated Casing	
Tubing size 2-7/8" lined with	Duoline (Fil	perglass liner)	· · · · · · · · · · · · · · · · · · ·	set in a
Guiberson - Uni VI (brand and model)	_ packer at	Within 100	feet Of	f the top perf.
Other Data				
Name of the injection formation San And	dres			
2. Name of field or Pool Hobbs;	Grayburg – Sa	n Andres		· · · · · · · · · · · · · · · · · · ·
Is this a new well drilled for injection? If no, for what purpose was the well originally drive.	Yes illed?	Production	No	
Has the well ever been perforated in any other zon detail (sacks of cement or bridge plug(s) used)	e(s)? List all su None	ch perforated interv	als and give plu	ugging
5. Give the depth to and name of any overlying and/o	or underlying oil ar	nd gas zones (pools) in this area.	
Grayburg - 3270, Glorieta - 5300				

Operator Occidental Permis	an Limited Partnership	Lease North Hobbs (G/SA Un	it	County Lea	
	age Location	Section	Township		Unit Le	tter
	' FSL & 330' FEL	24	18-S	37-E		
	chematic	Surface Casing Size 12-1/2 TOC SURF		Tubular Data Cemented with Determined by	180 CIRC	sxs.
12-1/2" @ 221'		Hole size Intermediate Ca Size 9" TOC 1340' Hole size	sing	Cemented with Determined by	510 CALC-50%	sxs. EFFIC
9" @ 2782'		Long string Cas Size 7" TOC SURF Hole size		Cemented with Determined by	250 CIRC	sxs.
7"		Size 5-1/2" TOC TOL (Hole size		Cemented with Determined by	50 (est.)	sxs.
@4300'	1 1	Injection interva Approx. 46	(Currer	sed deepening nt TD is 4218') feet toTD	to 4300'	<u>.</u>
		Completion type		erforated Casir	ig	
Tubing size 2-7	7/8" lined with	Duoline (Fibe	rglass lir	ner)	set in a	1
Guiberson – Uni \	vI nd and model)	_ packer at	Within	100 feet	of the top per	f.
Other Data		ros				
Name of the injection Name of field or Po	11-66	Grayburg – San	Andres			
			,			
3. Is this a new well do	nlied for injection? urpose was the well originally dril	Yes led? Pr	oduction	No		
	een perforated in any other zone cement or bridge plug(s) used)	e(s)? List all such None	perforated	l intervals and give	plugging	
5. Give the depth to a	and name of any overlying and/or	underlying oil and	gas zones	(pools) in this area	a.	
	3270, Glorieta – 5300					· · · · · · ·

Operator	ermian Limited Partnership	Lease North Hobbs	· G/SA Unit		County Lea	
Well No.	Footage Location	Section	Township	Range	Unit Le	etter
24-432	2741' FSL & 1286' FEL	24	18-S	37-E		etter
	Schematic	Surface Casin Size 13-3, TOC N/A Hole size	g /8" c	Fubular Data emented with etermined by	N/A N/A	sxs.
13-3/8" @ 40'		Intermediate C Size 9-5/8 TOC SUR Hole size	<u>"</u> c	emented with etermined by	425 CIRC	_ sxs.
9-5/8" @ 1534'		Long string Ca Size 7" TOC SUR Hole size	0	emented with	550 CIRC	_ sxs.
7" @ 4370'		Liner Size TOC Hole size		Cemented with Determined by		sxs.
		Total depth Injection interv Approx.	4000 fe	eet to TD		T ong
Tubing size	2-7/8" lined wit				set in	a
Guiberson -	Uni VI (brand and model)	packer at	Within 1	00 feet	of the top pe	rf.
Other Data 1. Name of the		Andres				
2. Name of field		bs; Grayburg – Sa	n Andres			
	well drilled for injection? what purpose was the well original	Yes lly drilled? <u>F</u>	roduction	No		
	ever been perforated in any other cks of cement or bridge plug(s) us	` `	h perforated ir	ntervals and give	plugging	
5. Give the dep	oth to and name of any overlying a	and/or underlying oil an	d gas zones (p	pools) in this area	a.	
Graybu	rg - 3270, Glorieta - 5300					

Operator	ermian Limited Partnership	Lease	Lease North Hobbs G/SA Unit			
		* ****			Lea Range Unit Letter	
Well No. 24-442	Footage Location 1260' FSL & 200' FEL	Section 24	Township 18-S	Range 37-E	P	ellei
24-442	1200 1 OL & 200 1 LL		100		<u>-</u> !	
	Schematic	Surface Casir	_	Tubular Data	N1/A	
		Size 13-3		Cemented with	N/A	_ sxs.
		TOC SUF	11	Determined by	N/A	
40.0407		Hole size				
13-3/8"		Intermediate			075	
@ 40'		Size 9-5/		Cemented with	375	_ sxs.
		TOC SUF	₹F	Determined by	CIRC	
	J L	Hole size				
		Long string C	asing			
9-5/8"		Size 7"		Cemented with	576	sxs.
@ 1527'		TOC SUF	RF	Determined by	CIRC	
		Hole size		•		
_						
		<u>Liner</u>				
7"		Size		Cemented with		_ sxs.
@ 4384'		TOC		Determined by		
		Hole size			-	3
		Total depth	4384'	•		-
		Injection inter Approx.		feet to TD		5.
		Completion ty	vpe P	erforated Casir	ng	
Tubing size	2-7/8" lined with	Duoline (Fil	berglass lir	ner)	set in	а
Guiberson -	· Uni VI	packer at	Within	100 feet	of the top pe	erf.
	(brand and model)	_ paoner at		· · · · · · · · · · · · · · · · · · ·		
Other Data						
1. Name of the	injection formation San An	dres				
2. Name of field	d or Pool Hobbs;	Grayburg – Sa	an Andres			
3. Is this a new well drilled for injection? 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						
5. Give the dec	oth to and name of any overlying and/o	or underlying oil a	nd gas zones	(pools) in this area	a.	
		, 5		. ,		
Graybu	rg – 3270, Glorieta – 5300					

Operator Occidental P	ermian Limited Partnership	Lease North Hobbs	t	County Le a		
Well No. New Well	Footage Location TBD	Section 24	Township 18-S	Range 37-E	Unit Letter G	
	Schematic	Surface Casing Size 16" TOC SURF	1	Tubular Data Cemented with Determined by	40 EST. sxs.	
16" @ 40' EST.		Size 8-5/8' TOC SURI	<u>"</u> (Cemented with Determined by	850 EST. sxs.	
8-5/8" @ 1606' EST.		Long string Case Size 5-1/2 TOC SURI Hole size	<u>"</u> (Cemented with Determined by	1000 EST. sxs.	
5-1/2" @ 4510' EST.		Liner Size TOC Hole size		Cemented with Determined by	sxs.	
		Total depth Injection intervent Approx. 4		ST	00 feet	
		Completion typ	e Pe	rforated Casir	ng	
Tubing size	3-1/2" lined with	Duoline (Fibe	erglass line	er)	set in a	
Guiberson –	Uni VI (brand and model)	_ packer at	Within 1	100 feet	of the top perf.	
Other Data	,	lree.				
			Andres			
2. Name of field or Pool Hobbs; Grayburg – San Andres 3. Is this a new well drilled for injection? 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						
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.						
Grayburg – 3270, Glorieta – 5300						

Operator Occidental Permian Limited Partnership	Lease North Hobbs	s G/SA Unit		County Lea		
Well No. Footage Location New Well TBD	Section 24	Township 18-S	Range 37-E	Unit Le F	tter	
Schematic	Surface Casin Size 16" TOC SUR Hole size	<u>Tu</u>	bular Data nented with ermined by	40 EST. CIRC	sxs.	
16" @ 40' EST.	Intermediate C Size 8-5/8 TOC SUF	3" Cen	nented with ermined by	850 EST.	sxs.	
8-5/8" @ 1606' EST.	Hole size Long string Ca Size 5-1/2 TOC SUF Hole size	2" Cen	nented with ermined by	1000 EST.	sxs.	
5-1/2" @ 4510' EST.	Liner Size TOC Hole size		nented with ermined by		sxs.	
	Total depth Injection inter Approx.	- · · · · · · · · · · · · · · · · · · ·		nn feet		
	Completion ty	5 (rated Casin			
Tubing size 2-7/8" lined with	Duoline (Fit	erglass liner)		set in a	a	
Guiberson – Uni VI (brand and model)	packer at	Within 100	feet	of the top pe	rf.	
Other Data						
1. Name of the injection formation San An	dres					
2. Name of field or Pool Hobbs; Graybrug – San Andres						
3. Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? Yes 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						
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.						
Grayburg – 3270, Glorieta – 5300						

Operator	ermian Limited Partnership	Lease North Hobbs	G/SA Hr	nit	County Lea		
					Unit Letter		
Well No. 25-121	Footage Location 1650' FNL & 990' FWL	Section 25	Township 18-S	p Range 37-E	E Contraction		
	1000 1112 0 000 1112						
	Schematic			Tubular Data			
		Surface Casing					
8-5/8''		Size 8- 5/8		Cemented with	sxs.		
© 287'		TOC SURF	:	Determined by	CIRC		
		Hole size					
		Intermediate Ca	sing				
		Size		Cemented with	sxs.		
	j	TOC		Determined by			
		Hole size					
		Long string Cas	ing				
		Size 5-1/2"		Cemented with	250 sxs.		
		TOC 2950'		Determined by	CBL		
		Hole size					
		<u>Liner</u>					
	1 1	Size		Cemented with	sxs.		
		TOC		Determined by			
F 4 (OI)		Hole size					
5-1/2" @ 4260'		Total depth	4261'				
		Injection interva	-				
		Approx. 4	000_	feet to TD			
		Completion type	<u> P</u>	erforated Casin	<u>g</u>		
Tubing size	2-7/8" lined with	Duoline (Fibe	erglass lir	ner)	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 And	res					
2. Name of field	or Pool Hobbs; (Grayburg – San	Andres				
	well drilled for injection? hat purpose was the well originally dri	Yes lled? Pr	oducer	No			
4 Has the well	ever been perforated in any other zone	a/e)? List all such	nerforated	Lintervals and give	plugging		
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 3	740, Glorieta – 5300						

Operator		Lease	0/04 !!		County	
Occidental P	ermian Limited Partnership	North Hobb	s G/SA Un	nit	<u>Lea</u>	
Well No.	Footage Location	Section	Township		Unit Letter	
25-341	660' FSL & 1650' FEL	25	18-S	37-E	0	
8-5/8"	Schematic	Surface Casir Size 8- 5/		Tubular Data Cemented with	900 sxs.	
@ 1639'		TOC SUF		Determined by	CIRC	
		Hole size	···	Determined by		
	1 1	Intermediate (Jasing	0		
		Size		Cemented with	\$xs.	
	1	TOC		Determined by		
		Hole size				
	1 1	Long string Ca			4400	
	1 1	Size 5-1/2		Cemented with	1100 sxs.	
		тос <u>440</u> '		Determined by	CBL	
		Hole size				
		<u>Liner</u>				
		Size		Cemented with	sxs.	
	1 1	TOC	;	Determined by		
		Hole size	· · · · · ·		. 5	
5-1/2"		11010 0120				
@ 4220'		Total depth	4220'		•	
		Injection inter Approx.		feet to		
		Completion ty	pe Po	erforated Casir	ng	
Tubing size	3-1/2" lined with	Duoline (Fit	oerglass lir	ner)	set in a	
Guiberson -	Uni VI	Packer at	Within	100 feet	of the top perf.	
	(brand and model)	_ rackerat		icci	P P	
Other Data						
1. Name of the	injection formation San And	dres				
2. Name of field	d or Pool Hobbs;	Grayburg – Sa	ın Andres			
3. Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? Yes No No						
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.						
Bvers 3	740, Glorieta – 5300					
	,					

Operator Occidental Permian Limited Partnership	Lease North Hobbs	: G/SA Unit		County Lea		
Well No. Footage Location 25-411 330' FNL & 330' FEL	Section 25	Township 18-S	Range 37-E	Unit Letter A		
Schematic	Surface Casin Size 12-1 TOC SUR Hole size	g /2" c	Tubular Data Cemented with	200 sxs.		
12-1/2" @ 220'	Intermediate C Size 8-1/4 TOC SUR Hole size	<u>"</u> C	Cemented with Determined by	600 sxs. CALC-50% EFFIC		
8-1/4" @ 2750'	Long string Ca Size 6-1/4 TOC 2926 Hole size	<u>''</u> c	Cemented with	200 sxs.		
6-1/4" @ 3969'	Liner Size 4-1/2 TOC 3869 Hole size		Cemented with	50 sxs. CALC-50% EFFIC		
4-1/2" Liner @ 3869-4257'	Total depth Injection inten Approx.		eet to <u>TD</u>			
	Completion ty	pe Per	forated Casir	ng		
Tubing size <u>2-7/8"</u> lined with Guiberson – Uni VI	Duoline (Fib	erglass line Within 1		set in a of top perf.		
(brand and model)	_ packer at	VVICINI I	00 feet	от юр реп.		
Other Data						
1. Name of the injection formation San And						
2. Name of field or Pool Hobbs; (Grayburg – Sa	n Andres				
3. Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? Producer No						
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.						
Grayburg – 3270, Glorieta - 5300						

Operator Occidental Po	ermian Limited Partnership	Lease North Hobbs	s G/SA Un	County Lea		
Well No. 25-422	Footage Location 1550' FNL & 1300' FEL	Section 25	Township 18-S	Range 37-E	Unit Letter H	
	Schematic	Surface Casir Size 16" TOC SUF Hole size	īg	Tubular Data Cemented with Determined by	40 sxs.	
16" @ 40'		Size 8-5/5	3"	Cemented with Determined by	850 sxs.	
8-5/8" @ 1600'		Hole size Long string C Size 5-1/2 TOC SUF Hole size	2"	Cemented with Determined by	1000 sxs.	
5-1/2" @ 4510'		Liner Size TOC Hole size		Cemented with Determined by	sxs.	
		Total depth Injection inter Approx.	4000_	feet to TD		
Tubing size	3-1/2" lined with	Completion ty Duoline (Fil			set in a	
Guiberson –	Uni VI (brand and model)	packer at	Within	100 feet	of the top perf.	
Other Data	injection formation San An	dres				
2. Name of field	110660	Grayburg – Sa	an Andres			
3. Is this a new well drilled for injection? 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						
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.						
Graybu	rg – 3270, Glorieta – 5300					

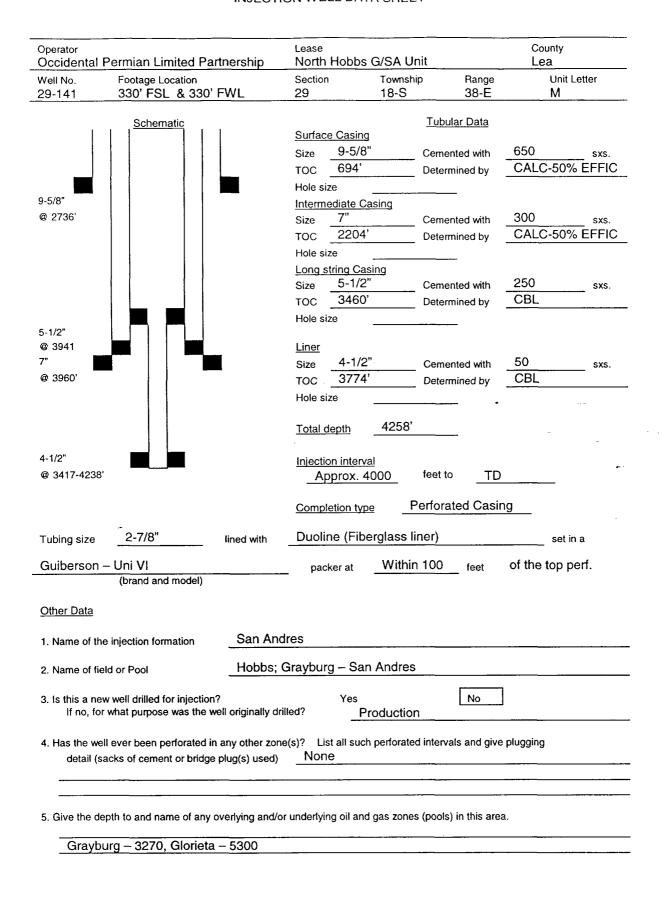
Operator Occidental Permian Li	mitad Bartnarshin	Lease North Hobbs	C/SA Unit		County Lea	
Well No. Footage L New Well TBD	ocation	Section 25	Township 18-S	Range 37-E	Unit Letter W side of A	
New Well TBD			10-3	37-L	E side of B	
Schen	natio		Tui	bular Data	E side of b	
Schen		Surface Casin		Doial Data		
		Size 16"	_	nented with	40 EST. sxs.	
			p=		CIRC sxs.	
			Det	ermined by	OITO	
16"		Hole size				
16"		Intermediate C			050 507	
@ 40' EST.		Size 8-5/8		nented with	850 EST. sxs.	
		TOC SUR	F Det	ermined by	CIRC	
		Hole size				
		Long string Ca	sing			
8-5/8"		Size 5-1/2	." Cen	nented with	1000 EST. sxs.	
@ 1606' EST.		TOC SUR	F Det	ermined by	CIRC	
		Hole size		······································	- · · · · · · · · · · · · · · · · · · ·	
		11016 3126	-			
		Liner		•	-	
5-1/2"		Size	Cor	nented with	sxs.	
@ 4510' EST.				ermined by	3A3.	
0 1010 2011		TOC	Det	ermined by		
		Hole size				
			4510' EST			
		Total depth	4510 E51	<u>·</u> _		
		Injection inten) to 450	nO feet	
		Approx.	4000 1661	t to450	10 leer	
		O	Perfo	rated Casin	a a	
		Completion ty	<u> </u>	rated Casil	9	
Tubing size 2-7/8"	lined with	Duoline (Fib	erglass liner)		set in a	
Tubing Size			,			
Guiberson - Uni VI		packer at	Within 100	feet	of the top perf.	
(brand an	d model)	_		-		
Other Data						
Name of the injection for	mation San And	dres				
Name of field or Pool	,	Grayburg – Sa	n Andres			
2. Harrie et heid et t eet						
3. Is this a new well drilled to	for injection? e was the well originally dr	Yes	 njection	No		
, .or max purpos	are treat originally wi		ijoonori			
4. Has the well ever been p	erforated in any other zon	e(s)? List all suc	h perforated inte	rvals and give	plugging	
detail (sacks of cement or bridge plug(s) used) None						
(3 1 3() 3 - 2/					
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.						
Grayburg – 3270	. Glorieta – 5300					

Lease North Hob	bs G/SA Un	it	County Lea			
Section 28			Unit Letter F			
Surface Cas Size 10- TOC SU	ing 3/4"	Tubular Data Cemented with Determined by	600 sxs.			
Intermediate Size TOC	Casing	Cemented with Determined by	\$xs.			
Long string of Size 7"		Cemented with Determined by	682 sxs.			
Liner Size TOC Hole size		Cemented with Determined by	sxs.			
Total depth		feet to TD				
			g & open hole			
Duoline (F	iberglass lin	ner)	set in a			
_ Packer at	Within	100 feet	of the top perf.			
dres						
Grayburg – S	an Andres					
3. Is this a new well drilled for injection? 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						
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area. Byers 3740. Glorieta – 5300						
	North Hobines Section 28 Surface Case Size 10-TOC SU Hole size Intermediate Size TOC Hole size Long string (Size 7" TOC SU Hole size Liner Size TOC Hole size Liner Size TOC Hole size TOC Hole size TOC Size TOC Size TOC Hole size Total depth Injection intermediate Approximate Completion Duoline (Final Packer at Size Total depth Injection intermediate Size Total depth Injection intermediate Size Total depth Injection intermediate Size Total depth Injection intermediate Size Total depth Injection intermediate Size Total depth Injection intermediate Size Total depth Injection intermediate Size Size Size Size Size Size Size Siz	North Hobbs G/SA Un Section Township 28 18-S Surface Casing Size 10-3/4" TOC SURF Hole size Intermediate Casing Size 7" TOC SURF Hole size Long string Casing Size 7" TOC SURF Hole size Liner Size 7" TOC 4318' Injection interval 4318' Injection interval Approx. 4000 Completion type Pe Duoline (Fiberglass lin Packer at Within dres Grayburg – San Andres rilled? Producer le(s)? List all such perforated None	North Hobbs G/SA Unit Section Township Range 28 18-S 38-E Tubular Data Surface Casing Size 10-3/4" Cemented with TOC SURF Determined by Hole size Intermediate Casing Size 7" Cemented with TOC SURF Determined by Hole size Long string Casing Size 7" Cemented with TOC SURF Determined by Hole size Liner Size Cemented with TOC Determined by Hole size Liner Size Cemented with TOC Determined by Hole size Completion type Perforated casin Duoline (Fiberglass liner) Packer at Within 100 feet dres Grayburg — San Andres rilled? Producer re(s)? List all such perforated intervals and give None			

Operator	Lease			County
Occidental Permian Limited Partnership	North Hobbs	G/SA Unit		Lea
Well No. Footage Location	Section	Township	Range	Unit Letter
28-231 1325' FSL & 1325' FWL	28	18-S	38-E	K
28-231 1325' FSL & 1325' FWL Schematic 9-5/8" 2750'	Surface Casing Size 15-1/ TOC SURI Hole size Intermediate C Size 9-5/8 TOC 2329 Hole size Long string Ca Size 7" TOC 3027 Hole size Liner Size 5-1/2	Tut 2" Cen Dete asing " Cen Sing Cen Dete	38-E pular Data mented with ermined by mented with ermined by mented with ermined by	150 sxs. CALC-50% EFFIC 150 sxs. CALC-50% EFFIC 250 sxs. CBL 100 sxs.
7"				CALC-50% EFFIC
° 3955°	тос 3918	Det	ermined by	CALC-30% EFFIC
W 3833	Hole size			
5-1/2" Liner @ 3918-4230'	Total depth Injection interv Approx. 4 Completion type	1000 feet	to <u>TD</u>	
Tubing size 3-1/2" lined with	Duoline (Fib	erglass liner)		set in a
Guiborgan Uni VI		Within 100) t4	of top perf.
Guiberson - Uni VI (brand and model)	_ packer at		feet	or top peri.
Other Data 1. Name of the injection formation San And	dres			
2. Name of field or Pool Hobbs;	Grayburg – Sa	n Andres		
3. Is this a new well drilled for injection? If no, for what purpose was the well originally dr 4. Has the well ever been perforated in any other zon detail (sacks of cement or bridge plug(s) used)		roducer	No rvals and give	plugging
5. Give the depth to and name of any overlying and/o	r underlying oil and	d gas zones (pod	ols) in this area	a.
Grayburg - 3270, Glorieta - 5300				

Operator Occidental Permian Limited Partr	nership	Lease North Hobbs	: G/SA Un	iit	County L ea	
Well No. Footage Location 29-122 1600' FNL & 180'		Section 29	Township 18-S		Unit Letter E	ſ
Schematic		Surface Casing Size 13-3/ TOC SUR Hole size	/8"	Tubular Data Cemented with Determined by	N/A s	sxs.
13-3/8" @ 40'		Intermediate C Size 8-5/8 TOC SUR Hole size	"	Cemented with Determined by	500 cIRC	sxs.
8-5/8° @ 1510'		Long string Ca Size 5-1/2 TOC SUR Hole size		Cemented with Determined by	350 c	SXS.
5-1/2" 437 0'		Liner Size TOC Hole size		Cemented with Determined by	\$	sxs.
		Total depth Injection interv Approx. 4		feet to TD		
	_	Completion type		erforated Casir	ng	
Tubing size 2-7/8"	lined with	Duoline (Fib	erglass lir	ner)	set in a	
Guiberson – Uni VI (brand and model)		packer at	Within	100 feet	of the top perf.	
Other Data 1. Name of the injection formation	San Andr	res				
Name of field or Pool		irayburg – Sa	n Andres	·	.,	
Is this a new well drilled for injection? If no, for what purpose was the well		Yes	roducer	No		
Has the well ever been perforated in a detail (sacks of cement or bridge p	•	(s)? List all suc None	h perforated	l intervals and give	plugging	
5. Give the depth to and name of any ov	erlying and/or	underlying oil and	d gas zones	(pools) in this area	а.	
Grayburg – 3270, Glorieta –	- 5300					

Operator Occidental F	Permian Limited Partnership	Lease North Hobbs	s 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	
	Schematic	Surface Casin Size 16" TOC SUF	g Cei	ubular Data mented with termined by	40 sx	s.
16" @ 40'		Intermediate C Size 8-5/8 TOC SUF	З" Сег	mented with termined by	785 sx	S.
8-5/8" @ 1595'		Hole size Long string Ca Size 5-1/2 TOC 90' Hole size	2" Ce	mented with termined by	900 sx	śs.
5-1/2" @ 4510'		Liner Size TOC Hole size		mented with termined by	sx	s.
	•.	Total depth Injection inter Approx.		et to <u>TD</u>	- Minimum of Principals	優
		Completion ty	pe Perfo	orated Casin	<u>g</u>	
Tubing size	2-7/8" lined with	Duoline (Fit	perglass liner)	·	set in a	
Guiberson -	- Uni VI (brand and model)	packer at	Within 10	O feet	of the top perf.	
Other Data						
1. Name of the	injection formation San A	ndres			·	
2. Name of fiel	d or Pool Hobbs	; Grayburg – Sa	ın Andres	-		
	well drilled for injection? what purpose was the well originally	Yes drilled? <u> </u>	njection	No		
	ever been perforated in any other zocks of cement or bridge plug(s) used	`	ch perforated inte	ervals and give	plugging	
5. Give the dep	oth to and name of any overlying and	d/or underlying oil ar	nd gas zones (po	ols) in this area	1.	
Graybu	rg – 3270, Glorieta – 5300					



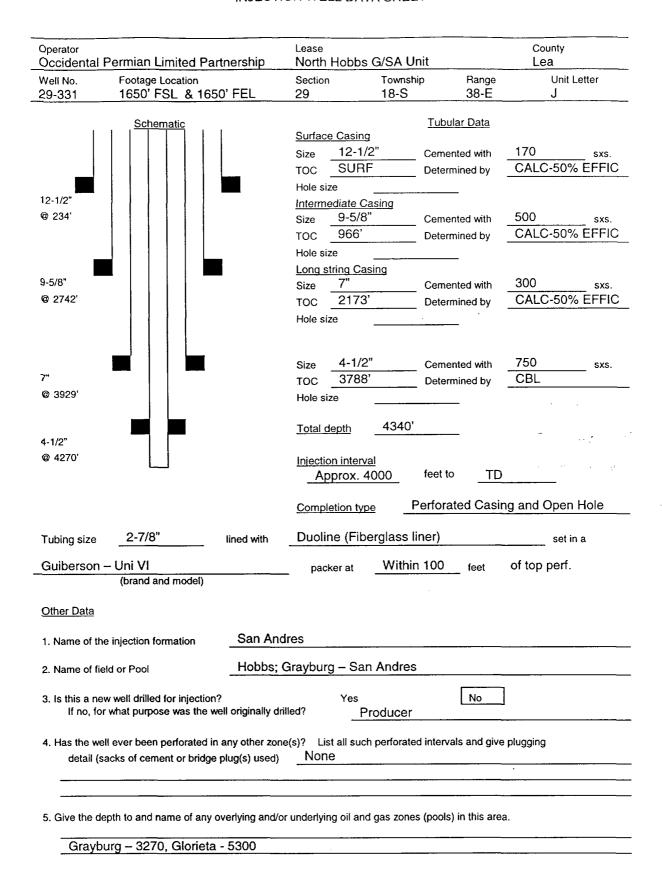
Operator	ion Limited D. A. archin	Lease	CICALIA	.:4	County	
Occidental P	ermian Limited Partnership	North Hobbs			Lea	
Well No.	Footage Location	Section	Township		Unit Let	ter
29-222	1370' FNL & 850' FWL	29	18-S	38-E	F	
	Schematic	Surface Casing	1	Tubular Data	40	
		Size 16" TOC SURI	F	Cemented with Determined by	CIRC	sxs.
		Hole size				
16"		Intermediate C				
@ 40'		Size 8-5/8		Cemented with	950	SXS.
		TOC SUR	F	Determined by	CIRC	
		Hole size				
		Long string Ca	sing			
8-5/8"	· —	Size 5-1/2	,,	Cemented with	1050	sxs.
@ 1605'		TOC SUR	F	Determined by	CIRC	
		Hole size		,		
						
E 4/0"		<u>Liner</u>				
5-1/2"		Size		Cemented with		sxs.
@ 4510'		TOC	1 1	Determined by		
		Hole size				
		Total depth	4510'			•
		Injection interv Approx. 4	_	feet to TD		
		Completion typ	oe P	erforated Casir	ng	
Tubing size	3-1/2" lined with	Duoline (Fib	erglass lir	ner)	set in a	
Guiberson -	Uni VI	packer at	Within	100 feet	of the top per	f.
	(brand and model)					
Other Data						
1. Name of the	injection formation San And	dres			<u></u>	
2. Name of field	d or Pool Hobbs;	Grayburg – Sar	n Andres			
	well drilled for injection? what purpose was the well originally dr	Yes illed? <u>Ir</u>	njection	No		
	ever been perforated in any other zon cks of cement or bridge plug(s) used)			I intervals and give	plugging	
5. Give the dep	oth to and name of any overlying and/o	r underlying oil and	d gas zones	(pools) in this are:	a.	
Graybu	rg – 3270, Glorieta – 5300					

Operator	ermian Limited Partnership	Lease North Hobbs	: G/SA Uni	t	County Lea	
Well No.	Footage Location	Section	Township	Range	Unit Letter	r
29-241	330' FSL & 2310' FWL	29	18-S	38-E	N	
	Schematic	Surface Casing Size 12-1, TOC SUR Hole size	2"	Tubular Data Cemented with Determined by	160 s	6XS.
12-1/2" @ 217'		Intermediate C Size 9-5/8 TOC 1159 Hole size	3"	Cemented with Determined by	500 c CALC-50% EF	sxs. FIC
9-5/8" @ 2730'		Long string Ca Size 7" TOC 1850 Hole size		Cemented with Determined by	300 cBL	sxs.
7" @ 3929'		Liner Size 5-1/2 TOC 3822 Hole size		Cemented with Determined by	60 CALC-50% EF	sxs. FFIC
5-1/2" @3822-4299		Injection inten	4000	feet to TD		
Tubing size	2-7/8" lined with	Completion ty Duoline (Fib			set in a	
Guiberson -	- Uni VI (brand and model)	packer at	Within	100 feet	of the top perf.	
Other Data 1. Name of the	injection formation San An	dres				
2. Name of fiel		Grayburg – Sa	n Andres			
	well drilled for injection? what purpose was the well originally d	Yes rilled? <u>F</u>	Production	No		
	ever been perforated in any other zor cks of cement or bridge plug(s) used)	ne(s)? List all suc None	ch perforated	intervals and give	plugging	
5. Give the de	oth to and name of any overlying and/o	or underlying oil an	d gas zones	(pools) in this area	a.	
Gravbu	ırg – 3270, Glorieta – 5300					

Operator Occidental Permian Limited Partnership	Lease North Hobb	s G/SA Unit		County Lea
Well No. Footage Location 29-242 100' FSL & 1400' FWL	Section 29	Township 18-S	Range 38-E	Unit Letter
Schematic	Surface Casir Size 16" TOC SUF Hole size	ng Ce	ubular Data mented with	J/A sxs.
16" @ 30'	Intermediate 6 Size 8-5/6 TOC SUF	B" Ce		750 sxs.
8-5/8" @ 1511'	Hole size Long string C Size 5-1/ TOC 2330 Hole size	2" Ce		750 sxs.
5-1/2" 43 68'	Liner Size TOC Hole size		mented with termined by	sxs.
	Total depth Injection inter Approx.		et to <u>TD</u>	
	Completion ty	<u>rpe</u> Perfe	orated Casing	
Tubing size 2-7/8" lined with	Duoline (Fit	oerglass liner)	set in a
Guiberson – Uni VI (brand and model)	packer at	Within 10	0 feet of	f the top perf.
Other Data				
1. Name of the injection formation San A				
2. Name of field or Pool Hobbs	; Grayburg – Sa	an Andres		
3. Is this a new well drilled for injection? If no, for what purpose was the well originally	Yes drilled?	Production	No	
Has the well ever been perforated in any other zo detail (sacks of cement or bridge plug(s) used		ch perforated into	ervals and give plu	gging
5. Give the depth to and name of any overlying and	l/or underlying oil ar	nd gas zones (po	ools) in this area.	
Grayburg - 3270, Glorieta - 5300				

Operator Occidental Peri	mian Limited Partnership	Lease North Hobbs	G/SA Un	it	County Lea	
Well No. F	ootage Location 2310' FNL & 1650' FEL	Section 29	Township	Range 38-E	Unit Le	etter
	Schematic	Surface Casing Size 12-1/ TOC SURI Hole size	l 2"	Tubular Data Cemented with Determined by	250 CIRC	_ sxs.
12-1/2" @211'		Intermediate C Size 9-5/8 TOC 1868	"	Cemented with Determined by	250 CALC-50%	sxs. EFFIC
9-5/8" @ 2756'		Hole size Long string Ca Size 7" TOC 2930 Hole size		Cemented with Determined by	300 CBL	_ sxs.
7" @ 3995'		Liner Size 5" TOC 3894 Hole size	1	Cemented with Determined by	100 CBL	_ sxs.
5" Liner @ 3812-4308'		Total depth Injection interv Approx. 4	_	feet to <u>TD</u>		
		Completion typ	e Pe	erforated Casir	ng	
Tubing size _	2-7/8" lined with	Duoline (Fib	erglass lir	ner)	set in	a
Guiberson – Ur	ni VI orand and model)	_ packer at	Within	100 feet	of top perf.	
Other Data	,					
1. Name of the inje	ection formation San And	res				
2. Name of field or	Pool Hobbs; (Grayburg – Sai	n Andres			
	ll drilled for injection? It purpose was the well originally dri	Yes	roducer	No		
	er been perforated in any other zone of cement or bridge plug(s) used)	e(s)? List all such None	n perforated	intervals and give	plugging	
-						
5. Give the depth t	to and name of any overlying and/or	r underlying oil and	l gas zones	(pools) in this area	a.	
Grayburg	– 3270, Glorieta – 5300					

Operator	Jarmian Limitad Dartnarahin	Lease North Hobbs	o C/CA Unit		County	
	ermian Limited Partnership	-			Lea	
			•			r
Well No. New Well 16" @ 40' EST. 8-5/8" @ 1606' EST. 5-1/2" @ 4510' EST.	Schematic	Section 29 Surface Casim Size 16" TOC SUF Hole size Intermediate C Size 8-5/8 TOC SUF Hole size Long string C: Size 5-1/8 TOC SUF Hole size Liner Size TOC Hole size Hole size	Cem RF Dete	Range 38-E oular Data mented with ermined by mented with ermined by mented with ermined by mented with ermined by	850 EST. CIRC 1000 EST. CIRC	sxs.
		Total depth Injection inter Approx. Completion ty	4000 feet			
Tubing size	2-7/8" lined with	Duoline (Fit	pergtass liner)	····	set in a	
Guiberson –		_ packer at	Within 100	feet	of the top perf.	
Other Data 1. Name of the	(brand and model) injection formation San And	dres				
2. Name of field	I talita	Grayburg – Sa	ın Andres			
3. Is this a new	well drilled for injection? what purpose was the well originally dr	Yes	njection	No		·
	ever been perforated in any other zor cks of cement or bridge plug(s) used)	ne(s)? List all sud None	ch perforated inter	vals and give p	olugging	
5. Give the dep	oth to and name of any overlying and/o	or underlying oil ar	nd gas zones (poo	ls) in this area.		
	rg – 3270, Glorieta – 5300					
	. J 32. 0, 0.0					



Operator	ermian Limited Partnership	Lease North Hobbs	G/SA Unit		County Lea
Well No.	Footage Location	Section	Township	Range	Unit Letter
29-342	1230' FSL & 2500' FEL	29	18-S	38-E	O
	Schematic	Surface Casing Size 13-3/8 TOC N/A Hole size	3" C	Tubular Data Cemented with Determined by	N/A sxs.
13-3/8" @ 40'		Intermediate Ca Size 8-5/8" TOC SURF Hole size	c	Cemented with Determined by	620 sxs.
8-5/8" @ 1520'		Long string Cas Size 5-1/2" TOC SURF Hole size	c	Cemented with	875 sxs.
5-1/2" @ 4375'		Liner Size TOC Hole size		Cemented with	sxs.
		Total depth Injection interva Approx. 4 Completion type	000 f	eet to <u>TD</u>	ng
Tubing size	3-1/2" lined with	Duoline (Fibe	rglass line	er)	set in a
Guiberson -	Uni VI	_ packer at	Within 1	00 feet	of the top perf.
Other Data 1. Name of the	injection formation San And	lres			
2. Name of field	d or Pool Hobbs; (Grayburg – San	Andres		
	well drilled for injection? what purpose was the well originally dri	Yes lled? <u>In</u> j	ection	No	
	ever been perforated in any other zone cks of cement or bridge plug(s) used)	e(s)? List all such None	perforated in	ntervals and give	plugging
		· · · · · ·			
	oth to and name of any overlying and/o	r underlying oil and	gas zones (p	pools) in this area	1.
_Graybu	rg – 3270, Glorieta – 5300				

Operator Occidental P	ermian Limited Partnership	Lease North Hobb	s G/SA Uni	it	County Lea	
Well No. New Well	Footage Location TBD	Section 29	Township 18-S	Range 38-E	Unit Let O	tter
	Schematic	Surface Casir Size 16" TOC SUF	ng	Tubular Data Cemented with Determined by	40 EST. CIRC	sxs.
16" @ 40' EST.		Hole size Intermediate Size 8-5/ TOC SUF Hole size	8"	Cemented with Determined by	850 EST.	sxs.
8-5/8" @ 1606' EST.		Long string C Size 5-1/ TOC SUF Hole size	2"	Cemented with Determined by	1000 EST.	sxs.
5-1/2" @ 4510' EST.		Liner Size TOC Hole size		Cemented with Determined by		sxs.
		Total depth Injection intel Approx.		ST. feet to 450	00 feet	-
		Completion ty	_{vpe} Pe	erforated Casir	ng	
Tubing size	2-7/8" lined with	Duoline (Fi	berglass lin	er)	set in a	
Guiberson -	Uni VI (brand and model)	_ packer at	Within	100 feet	of the top per	f.
Other Data			·			
1. Name of the	injection formation San And	dres				
2. Name of field	d or Pool Hobbs;	Grayburg – Sa	an Andres	<u> </u>	·	
	well drilled for injection? what purpose was the well originally dr	Yes illed?	Injection	No		
	ever been perforated in any other zon cks of cement or bridge plug(s) used)	e(s)? List all su None	ch perforated	intervals and give	plugging	
· · · · · · · · · · · · · · · · · · ·					·	
	oth to and name of any overlying and/o	r underlying oil a	nd gas zones	(pools) in this area	a. 	

Operator Occidental Permian Limited Partnership	Lease North Hobb	s G/SA Unit		County Lea
Well No. Footage Location 29-411 990' FNL & 990' FEL	Section 29	Township 18-S	Range 38-E	Unit Letter A
Schematic	Surface Casi Size 12- TOC SUR	<u>Tut</u> ng 1/2" Cen	bular Data nented with ermined by	250 sxs. CIRC
12-1/2" @ 245'	Intermediate Size 9-5/ TOC 441 Hole size	8" Cen	nented with ermined by	650 sxs. CALC-50% EFFIC
9-5/8" @ 2750'	Long string C Size 7" TOC 228 Hole size	Cen	nented with ermined by	300 sxs. CALC-50% EFFIC
7" @ 4045'	Liner Size 5-1/ TOC 394 Hole size		nented with ermined by	30 sxs. CALC-50% EFFIC
5-1/2" Liner @ 3941-4217'	Total depth Injection intel Approx.		to <u>TD</u>	· · · · · · · · · · · · · · · · · · ·
	Completion to	_{vpe} Perfo	rated casing	g and open hole
Tubing size 3-1/2" lined with	Duoline (Fi	berglass liner)		set in a
Guiberson – Uni VI (brand and model)	packer at	Within 100	eet feet	of top perf.
Other Data 1. Name of the injection formation San Ar	ndres			
	Grayburg - Sa	an Andres		
Is this a new well drilled for injection? If no, for what purpose was the well originally or the second seco	Yes	Producer	No	
Has the well ever been perforated in any other zo detail (sacks of cement or bridge plug(s) used	K 1 .	ch perforated inte	rvals and give	plugging
5. Give the depth to and name of any overlying and	or underlying oil a	nd gas zones (pod	ols) in this area	
Grayburg – 3270, Glorieta - 5300				

Operator Occidental F	Permian Limited Partnership	Lease North Hobb	s G/SA Unit		County Le a
Well No. 29-442	Footage Location 1230' FSL & 220' FEL	Section 29	Township 18-S	Range 37-E	Unit Letter P
	Schematic	Surface Casi Size 13-3 TOC SUR Hole size	ng 3/8" (Tubular Data Cemented with Determined by	REDIMIX sxs.
13-3/8" @ 40'		Intermediate Size 9-5/ TOC SUI	′8"	Demented with	575 sxs.
9-5/8" @ 1536'		Hole size Long string C Size	(Cemented with Determined by	1100 sxs.
7" @ 4369'		Liner Size TOC Hole size	•	Cemented with Determined by	sxs.
		Total depth Injection inte _Approx.		eet to _TD	
		Completion t	_{ype} Pe	rforated Casir	ng
Tubing size	3-1/2" lined with	Duoline (Fi	berglass line	er)	set in a
Guiberson -	- Uni VI (brand and model)	packer at	Within 1	00 feet	of the top perf.
Other Data					
1. Name of the	injection formation San And	dres			
2. Name of fiel	d or Pool Hobbs;	Grayburg – S	an Andres		
	well drilled for injection? what purpose was the well originally di	Yes rilled?	Producer	No	
	ever been perforated in any other zor cks of cement or bridge plug(s) used)	ne(s)? List all su None	ıch perforated i	ntervals and give	plugging
		· · · · · · · · · · · · · · · · · · ·			
5. Give the de	oth to and name of any overlying and/o	or underlying oil a	nd gas zones (pools) in this area	1 .
Graybu	rg – 3270, Glorieta – 5300				

Operator Occidental Permian Limited Partnership	Lease North Hobbs	G/SA Unit	County Le a
Well No. Footage Location New Well TBD	Section 29		nge Unit Letter -E P
Schematic	Surface Casing Size 16" TOC SURF	Tubular Da	ith 40 EST. sxs.
16" @ 40' EST.	Intermediate Ca Size 8-5/8" TOC SURF	Cemented w	0170
8-5/8" @ 1606' EST.	Hole size Long string Cas Size 5-1/2" TOC SURF Hole size	Cemented w	0150
5-1/2" 4 510' EST.	Liner Size TOC Hole size	Cemented w	
	Total depth		4500 feet
	Approx. 4 Completion type		1000
Tubing size 2-7/8" lined with	Duoline (Fibe	erglass liner)	set in a
Guiberson - Uni VI (brand and model)	packer at	Within 100 fee	of the top perf.
Other Data			
1. Name of the injection formation San And	res		
2. Name of field or Pool Hobbs; G	Grayburg – San	Andres	· · · · · · · · · · · · · · · · · · ·
Is this a new well drilled for injection? If no, for what purpose was the well originally dril	Yes In] No jection	
Has the well ever been perforated in any other zone detail (sacks of cement or bridge plug(s) used)	(s)? List all such None	perforated intervals and	d give plugging
5. Give the depth to and name of any overlying and/or	underlying oil and	gas zones (pools) in this	s area.
Grayburg – 3270, Glorieta – 5300			

Operator	ermian Limited Partnership	Lease North Hobbs	G/SA Linit		County Lea
Well No.	Footage Location	Section	Township	Range	Unit Letter
New Well	TBD	29	18-S	38-E	E
	Schematic	Surface Casing Size 16" TOC SURF Hole size	C	Tubular Data Cemented with Determined by	40 EST. sxs.
16" @ 40' EST.		Intermediate Ca Size 8-5/8" TOC SURF Hole size	· c	Cemented with	850 EST. sxs.
8-5/8" @ 1606' EST.		Long string Cas Size 5-1/2' TOC SURF Hole size	<u>'</u> c	Cemented with Determined by	1000 EST. sxs.
5-1/2" @ 4510' EST.		Liner Size TOC Hole size		Cemented with Determined by	sxs.
		Total depth Injection interva Approx. 4		STeet to450	00 feet
		Completion typ	e Per	forated Casir	ng
Tubing size	2-7/8" lined with	Duoline (Fibe	erglass line	er)	set in a
_Guiberson -	Uni VI (brand and model)	_ packer at	Within 1	00 feet	of the top perf.
Other Data	•				
1. Name of the	injection formation San And	dres		 -	
2. Name of field	d or Pool Hobbs;	Grayburg – Sar	Andres		
3. Is this a new If no, for	well drilled for injection? what purpose was the well originally dr	Yes In] jection	No	
	ever been perforated in any other zon cks of cement or bridge plug(s) used)	e(s)? List all such None	n perforated in	ntervals and give	plugging
5 Give the der	oth to and name of any overlying and/o	r underlying oil and	gas zones (r	pools) in this are:	a.
	rg – 3270, Glorieta – 5300				
_ Glaybu	·9 3E. 0, C.O.IOIG 0000				

Operator Occidental P	ermian Limited Partnership	Lease North Hobbs	s G/SA Unit		County Lea	
Well No. 30-112	Footage Location 200' FNL & 1310' FWL	Section 30	Township 18-S	Range 38-E	Unit L D	etter
	Schematic	Surface Casin Size 13-3 TOC N/A Hole size	g /8" Cer	nented with	N/A N/A	sxs.
13-3/8" @ 40'		Intermediate C Size 9-5/8 TOC SUR		mented with termined by	250 CIRC	sxs.
9-5/8" @ 1520'		Hole size Long string Ca Size 7" TOC SUR Hole size	Cer	mented with termined by	675 CIRC	sxs.
7" @ 4369'		Liner Size TOC Hole size		mented with termined by	•	sxs.
		Total depth Injection inten Approx.		t to TD	-	
	0.7/0"	Completion ty		orated Casin		
Tubing size Guiberson –	2-7/8" lined with	packer at	erglass liner) Within 10		of the top p	
Other Data	(brand and model) injection formation San A	Andres			.,	
2. Name of field	11-6-6	s; Grayburg – Sa	n Andres			
	well drilled for injection? what purpose was the well originally	Yes v drilled?	Producer	No		
	ever been perforated in any other a		ch perforated inte	ervals and give	plugging	
5. Give the dep	oth to and name of any overlying an	d/or underlying oil an	d gas zones (po	ols) in this area	a .	
Graybu	rg – 3270, Glorieta – 5300					

Operator Occidental Permian Limited Partnership	Lease North Hobbs	s G/SA Unit		County Lea	
Well No. Footage Location 30-113 1310' FNL & 195' FWL	Section 30	Township 18-S	Range 38-E	Unit Le	etter
Schematic	Surface Casin Size 13-3 TOC SUR Hole size	g /8" Ceme	ular Data ented with mined by	REDIMIX CIRC	sxs.
13-3/8" @ 55'	Intermediate C Size 8-5/8 TOC SUR Hole size	B" Ceme	ented with	620 CIRC	sxs.
8-5/8" @ 1495'	Long string Ca Size 5-1/2 TOC SUR Hole size	Ceme	ented with mined by	990 CIRC	sxs.
5-1/2"	Liner Size TOC Hole size		ented with mined by		_ sxs.
	Total depth Injection intent Approx.	4000 feet t	o <u>TD</u>	g	
Tubing size 2-7/8" lined with	n Duoline (Fib	erglass liner)		set in	a .
Guiberson – Uni VI (brand and model)	packer at	Within 100	feet	of the top pe	rf.
Other Data	Andres				
2. Name of field or Pool Hobb	os; Grayburg – Sa	n Andres			
Is this a new well drilled for injection? If no, for what purpose was the well original.	Yes y drilled? <u>F</u>	Producer	No		
Has the well ever been perforated in any other detail (sacks of cement or bridge plug(s) us	``` * •	h perforated interv	rals and give	plugging	
5. Give the depth to and name of any overlying a	nd/or underlying oil an	d gas zones (pools	s) in this area	i.	_
Grayburg – 3270, Glorieta – 5300					

Operator Occidental P	ermian Limited Partnersh	Lease p N orth	Lease North Hobbs G/SA Unit			County L ea	
Well No. 30-222	Footage Location 1470' FNL & 1395' FWI	Section 30	l	Township 18-S	Range 38-E	Unit L	etter
	Schematic		e Casing 16" SURF		Tubular Data Cemented with Determined by	40 CIRC	_ sxs.
16" © 40'		Size TOC	8-5/8" SURF		Cemented with Determined by	950 CIRC	_ sxs.
8-5/8" @ 1570'		Hole size Long s Size TOC Hole si	tring Cas 5-1/2" 2608'		Cemented with Determined by	800 CBL	_ sxs.
5-1/2" @ 4349'		<u>Liner</u> Size TOC Hole si	ze		Cemented with Determined by		_ sxs.
			epth on interva		feet toTD	<u>, </u>	
		Compl	etion type	<u>P</u>	erforated Casir	ng	
Tubing size	3-1/2" lined w	ith Duolin	ne (Fibe	rglass lir	ner)	set in	a
Guiberson –	Uni VI (brand and model)	pac	ker at	Within	100 feet	of the top pe	erf.
Other Data		n Andres					
2. Name of field		bs; Graybur	g – San	Andres			
3. Is this a new	well drilled for injection? what purpose was the well origin	· · · · · · · · · · · · · · · · · · ·	Yes	oducer	No]	
	ever been perforated in any oth cks of cement or bridge plug(s) t	` ' * •		perforated	intervals and give	e plugging	
5. Give the dep	oth to and name of any overlying	and/or underlyir	ng oil and	gas zones	(pools) in this are	a.	
Graybu	rg – 3270, Glorieta – 5300						

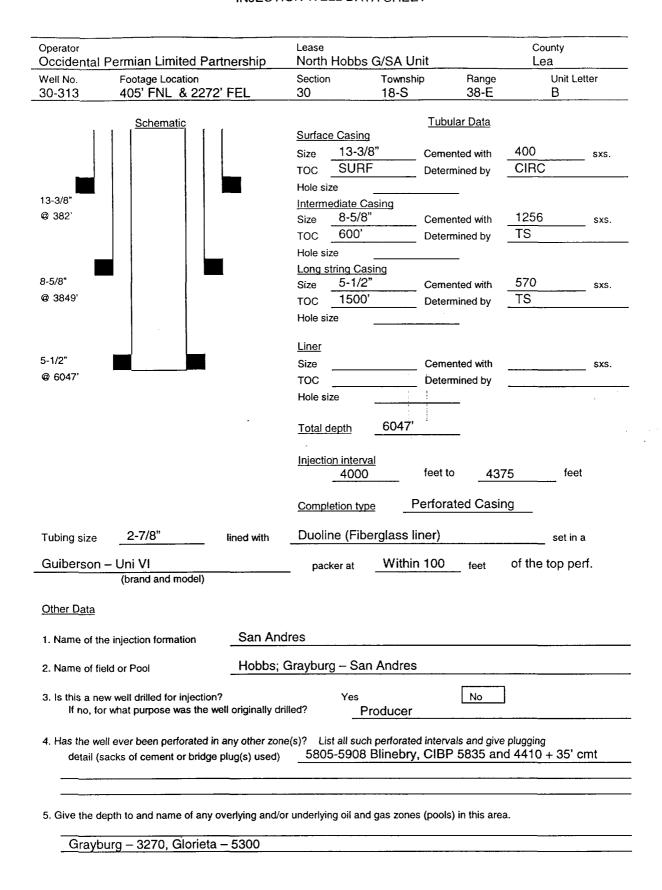
Operator Control of the Control of t	Lease	C/CA LI	.:.	County
Occidental Permian Limited Partnership	North Hobbs		·····	Lea
Well No. Footage Location	Section	Township		Unit Letter
New Well TBD	30	18-S	38-E	F
Schematic	Surface Casing Size 16" TOC SURF		Tubular Data Cemented with Determined by	40 EST. sxs.
16"				
@ 40' EST.	Intermediate Ca		0	850 EST. sxs.
9 40 201.			Cemented with	
	TOC SURF		Determined by	CIRC
	Hole size			
	Long string Cas	sing		
8-5/8"	Size 5-1/2"		Cemented with	1000 EST. sxs.
@ 1606' EST.	TOC SURF	=	Determined by	CIRC
	Hole size		,	
	11010 3120			
	Liner			
5-1/2"			Companied with	
@ 4510' EST.	Size		Cemented with	sxs.
• 4510 LS1.	тос		Determined by	
	Hole size			ing .
	Total depth	4510'	EST.	, -
	Injection interva Approx. 4		feet to450	00 feet
	Completion type	<u>е</u> <u>Р</u>	erforated Casi	ng
Tubing size 2-7/8" lined with	Duoline (Fibe	erglass lii	ner)	set in a
Guiberson – Uni VI	packer at	Within	100 feet	of the top perf.
(brand and model)	- packer at		100	or the top point
Other Data				
1. Name of the injection formation San And	res			
2. Name of field or Pool Hobbs; G	Brayburg – San	Andres		
Is this a new well drilled for injection? If no, for what purpose was the well originally drill	Yes In] jection	No	
Has the well ever been perforated in any other zone detail (sacks of cement or bridge plug(s) used)	(s)? List all such None	perforated	l intervals and give	plugging
5. Give the depth to and name of any overlying and/or	underlying oil and	gas zones	(pools) in this are	a.
Grayburg - 3270, Glorieta - 5300				

Operator Occidental Permian Limited P	artnership	Lease North Hobbs	s G/SA Unit		County Lea
Well No. Footage Location 30-223 1770' FNL & 24		Section 30	Township 18-S	Range 38-E	Unit Letter F
Schematic		Surface Casir Size 16" TOC N/A Hole size	g (Tubular Data Cemented with Determined by	N/A sxs.
16" @ 30'	_	Intermediate (Size 8-5/8 TOC SUF	3" (Cemented with	650 sxs.
8-5/8" @ 1455'		Hole size Long string Company Size 5-1/2 TOC 2490 Hole size	2" (Cemented with Determined by	250 sxs.
5-1/2" 4 394'		Liner Şize TOC Hole size		Cemented with Determined by	sxs.
		Total depth Injection inter Approx.		eet to <u>TD</u>	
		Completion ty	pe Pe	rforated Casir	ng
Tubing size 2-7/8"	lined with	Duoline (Fit	erglass line	er)	set in a
Guiberson – Uni VI (brand and model)		packer at	Within 1	100 feet	of the top perf.
Other Data 1. Name of the injection formation	San An	dres			
•		Grayburg – Sa	n Andres		
Name of field or Pool Is this a new well drilled for injection of the first three states are the second or the second o	n?	Yes	Producer	No	
4. Has the well ever been perforated detail (sacks of cement or bridge	-	ne(s)? List all su None	ch perforated i	ntervals and give	plugging
5. Give the depth to and name of any	overlying and/o	or underlying oil ar	nd gas zones (pools) in this area	a.
Grayburg - 3270, Gloriet	a – 5300				

Operator			Lease			County	
Occidental P	ermian Limited Partr	nership	North Hobb	s G/SA Ur	<u>iit</u>	Lea	
Well No.	Footage Location		Section	Townshi	•	Unit Let	tter
30-232	1400' FSL & 1370	'FWL	30	18-S	38-E	K	
	Schematic		Surface Casil Size 16" TOC SUF		Tubular Data Cemented with Determined by	40 CIRC	sxs.
16" @ 40'			Intermediate Size 8-5/ TOC SUB Hole size	8"	Cemented with Determined by	875 CIRC	sxs.
8-5/8" @ 1600'			Long string C Size 5-1/ TOC 261 Hole size	2"	Cemented with Determined by	1100 CBL	sxs.
5-1/2" @ 4555'			Liner Size TOC Hole size		Cemented with Determined by		sxs.
			Total depth Injection inter Approx.		feet to 450)() feet	· s
			Completion to	<u>/pe P</u>	erforated Casir	<u>ıg</u>	
Tubing size	3-1/2"	lined with	Duoline (Fi	berglass lii	ner)	set in a	ı
Guiberson –	Uni VI (brand and model)		packer at	Within	100 feet	of the top per	rf.
Other Data							
1. Name of the	njection formation	San Andr	es				
2. Name of field	or Pool	Hobbs; G	irayburg – S	an Andres			
	well drilled for injection? that purpose was the wel	l originally drill	Yes ed?	Injection	No		
	ever been perforated in a	=	(s)? List all su None	ch perforated	l intervals and give	plugging	
5. Give the dep	th to and name of any ov	erlying and/or	underlying oil a	nd gas zones	(pools) in this area	a.	
Graybur	g – 3270, Glorieta –	5300					

Operator Occidental Permian Limited Partnership	Lease North Hobb	s G/SA Unit		County L ea	
Well No. Footage Location 30-233 2455' FSL & 1480' FWL	Section 30	Township 18-S	Range 38-E	Unit L	etter
Schematic	Surface Casir Size 13-3 TOC N/A Hole size	ig i/8" Ceme	ular Data Inted with Inted by	N/A N/A	_ sxs.
13-3/8" @ 55'	Size 8-5/5	8" Ceme	nted with mined by	620 CIRC	_ s xs.
8-5/8" @ 1507'	Hole size Long string C Size 5-1/ TOC SUF Hole size	2" Ceme	ented with mined by	1070 CIRC	\$xs.
5-1/2" @ 4383'	Liner Size TOC Hole size		ented with mined by		_ sxs.
	Total depth Injection inter Approx.	4000 feet to		-	
Tubing size 2-7/8" lined with	Completion ty	rpe Perfora perglass liner)	ated Casin		_
Guiberson – Uni VI	packer at	Within 100	feet	of the top pe	
(brand and model) Other Data 1. Name of the injection formation San An	dres				
• =	Grayburg – Sa	an Andres			
3. Is this a new well drilled for injection? If no, for what purpose was the well originally d	Yes rilled?	Producer	No		
4. Has the well ever been perforated in any other zon detail (sacks of cement or bridge plug(s) used)		ch perforated interv	als and give	plugging	
5. Give the depth to and name of any overlying and/ Grayburg – 3270, Glorieta – 5300	or underlying oil ar	nd gas zones (pools) in this area		_

Operator Occidental F	Permian Limited Partnership	Lease North Hobb	s 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
13-3/8"	Schematic	Surface Casin Size 13-3 TOC SUF Hole size	<u>ng</u> 8/8" C RF D	Tubular Data Cemented with Determined by	40 sxs. CALC-50% EFFIC
@ 40'		Intermediate Size 9-5/ TOC SUF Hole size	8" C	Cemented with Determined by	650 sxs.
9-5/8" @ 1500'		Long string C Size 7" TOC SUF Hole size	C	Cemented with Determined by	700 sxs. CIRC
7" @ 4431'		Liner Size TOC Hole size		Cemented with Determined by	sxs.
		Total depth Injection intel		eet to TD	
		Approx. Completion to		forated Casir	<u></u>
Tubing size	2-7/8" lined with	Duoline (Fi	berglass line	er)	set in a
Guiberson -	Uni VI (brand and model)	packer at	Within 1	00 feet	of the top perf.
Other Data					
1. Name of the	injection formation San An	dres			
2. Name of field	d or Pool Hobbs;	Grayburg - Sa	an Andres		
	well drilled for injection? what purpose was the well originally d	Yes rilled?	Producer	No	
	ever been perforated in any other zor icks of cement or bridge plug(s) used)	ne(s)? List all su None	ch perforated in	ntervals and give	plugging
	oth to and name of any overlying and/o	or underlying oil a	nd gas zones (p	pools) in this area	A.
Graybu	rg – 3270, Glorieta – 5300				



Operator		Lease	0/04 11-	••	County	
Occidental P	ermian Limited Partnership	North Hobbs			<u>Lea</u>	
Well No.	Footage Location	Section	Township		Unit Let	tter
30-331	2335' FSL & 2310' FEL	30	18-S	38-E	J	
	Schematic	Surface Casing Size 12-1/ TOC SUR Hole size	2"	Tubular Data Cemented with Determined by	225 CIRC	sxs.
12-1/2" @ 242'		Intermediate C Size 9-5/8 TOC SUR Hole size	11	Cemented with Determined by	650 CIRC	sxs.
9-5/8" @ 2750'		Long string Ca Size 7" TOC SUR Hole size		Cemented with Determined by	300 CIRC	_ sxs.
7" @ 3960'		Liner Size 5-1/2 TOC 3650 Hole size		Cemented with Determined by	30 CBL	sxs.
5-1/2" @ 4238'		Total depth Injection interv Approx. 4		feet to TD		
		Completion type	<u>pe</u> P	erforated Casir	ng	
Tubing size	2-7/8" · lined with	Duoline (Fib	erglass lir	ner)	set in a	1
Guiberson -	Uni VI (brand and model)	_ packer at	Within	100 feet	of top perf.	
Other Data	injection formation San And	Ires				
2. Name of field	Habbar	Grayburg – Sa	n Andres			
3. Is this a new	well drilled for injection? what purpose was the well originally dri	Yes lled? P	roducer	No		
	ever been perforated in any other zone cks of cement or bridge plug(s) used)	e(s)? List all suc 1500' sqz f		l intervals and give SX	plugging	
	oth to and name of any overlying and/or	r underlying oil and	d gas zones	(pools) in this area	э.	
Graybu	ig – 3270, Giorieta - 3300					

Operator Occidental P	ermian Limited Partnership	Lease North Hobb	s 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
	Schematic	Surface Casir Size 13-3 TOC N/A Hole size	ig 5/8" c	ubular Data emented with etermined by	N/A sxs.
13-3/8" @ 40'		Intermediate (Size 9-5/6 TOC SUF	3" C	emented with etermined by	650 sxs.
9-5/8" @ 1503'		Hole size Long string C Size 7" TOC SUF Hole size	C	emented with etermined by	800 sxs.
7" @ 4371'		Liner Size TOC Hole size		emented with etermined by	sxs.
		Total depth Injection inter Approx.		et to <u>TD</u>	
		Completion ty	pe Per	forated Casir	ng
Tubing size	2-7/8" lined with	Duoline (Fit	oerglass line	r)	set in a
Guiberson –	Uni VI (brand and model)	_ packer at	Within 10	00feet	of the top perf.
Other Data 1. Name of the	injection formation San And	lres			
2. Name of field	d or Pool Hobbs;	Grayburg – Sa	ın Andres		
	well drilled for injection? what purpose was the well originally dr	Yes illed?	Producer	No	<u> </u>
	ever been perforated in any other zon- cks of cement or bridge plug(s) used)	e(s)? List all su None	ch perforated in	tervals and give	plugging
<u></u>	oth to and name of any overlying and/o	r underlying oil ar	nd gas zones (p	ools) in this area	а.

Operator Occidental P	ermian Limited Partnership	Lease North Hobbs	s G/SA Un	nit	County Lea	
Well No. 30-333	Footage Location 1400' FSL & 2430' FEL	Section 30	Township 18-S		Unit Le	etter
·	Schematic	Surface Casin Size 13-3 TOC SUF	<u>g</u> /8"	Tubular Data Cemented with Determined by	REDIMIX CIRC	_ sxs.
13-3/8" @ 40'		Intermediate (Size 8-5/8) TOC SUF	3"	Cemented with Determined by	710 CIRC	_ sxs.
8-5/8" @ 1579'		Hole size Long string Company Size 5-1/2 TOC SUF Hole size	2"	Cemented with Determined by	720 CIRC	_ sxs.
5-1/2" @ 4369'		Liner Size TOC Hole size		Cemented with Determined by		_ s xs.
		Total depth Injection inter Approx.		feet to TD		•
		Completion ty		erforated Casir	ng	
Tubing size	2-7/8" lined with	Duoline (Fit	oerglass li	ner)	set in	a
Guiberson –	Uni VI (brand and model)	packer at	Within	100 feet	of the top pe	rf.
Other Data						
1. Name of the	injection formation San And					
2. Name of field	d or Pool Hobbs;	Grayburg – Sa	n Andres			
	well drilled for injection? what purpose was the well originally dr	Yes	njection	No		
	ever been perforated in any other zon cks of cement or bridge plug(s) used)	e(s)? List all su None	ch perforated	d intervals and give	plugging	
	oth to and name of any overlying and/o	or underlying oil ar	nd gas zones	s (pools) in this are	a.	
Graybu	rg – 3270, Glorieta – 5300					

Operator Occidental P	ermian Limited Partnership	Lease North Hobbs	G/SA Unit	t	County Lea		
Well No. New Well	Footage Location TBD	Section 30	Township 18-S	Range 38-E	Unit Letter O		
	Schematic	Surface Casing Size 16" TOC SURF Hole size	<u> </u>	Tubular Data Cemented with Determined by	40 EST. sxs.		
16" @ 40' EST.		Intermediate Ca Size 8-5/8" TOC SURF	<u>. </u>	Cemented with	850 EST. sxs.		
8-5/8" @ 1606' EST.		Hole size Long string Cas Size 5-1/2" TOC SURF Hole size	<u>'</u>	Cemented with Determined by	1000 EST. sxs.		
5-1/2" @ 4510' EST.		Liner Size TOC Hole size		Cemented with Determined by	sxs.		
		Total depth	4510' E	ST.	. •		
		Approx. 4	_	eet to450	00 feet		
		Completion type		rforated Casir	ng		
Tubing size	2-7/8" lined with	Duoline (Fibe			set in a		
Guiberson -	(brand and model)	_ packer at	Within 1	100feet	of the top perf.		
Other Data							
1. Name of the	injection formation San And	res		 			
2. Name of field	d or Pool Hobbs; (Grayburg - San	Andres				
Is this a new well drilled for injection? 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							
5. Give the der	oth to and name of any overlying and/or	r underlying oil and	gas zones (pools) in this area	a.		
	rg - 3270, Glorieta - 5300						

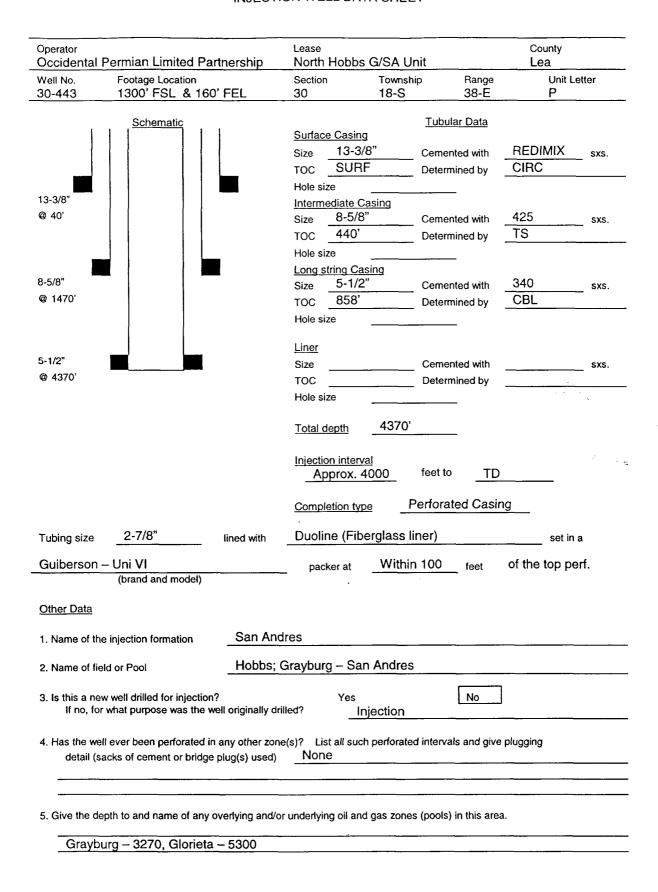
Operator Occidental Permian Limite	d Partnership				County Lea	
Welt No. Footage Locati 30-422 1520' FNL	on & 1300' FEL	Section 30	Township 18-S	Range 38-E	Unit Letter H	
Schematic		Surface Casing Size 16" TOC SURF Hole size		Tubular Data Cemented with Determined by	40 sxs.	
16" @ 40'		Intermediate Ca Size 8-5/8" TOC SURF		Cemented with Determined by	850 sxs.	
8-5/8" @ 1524'		Hole size Long string Cas Size 5-1/2' TOC 2500' Hole size		Cemented with Determined by	1000 sxs.	
5-1/2" @ 4510'		Liner Size TOC Hole size		Cemented with Determined by	sxs.	
		Total depth Injection interva _Approx. 4	_	feet toTD		
		Completion type	<u> P</u>	erforated Casir	ng	
Tubing size 3-1/2"	lined with	Duoline (Fibe	erglass lir	ner)	set in a	
Guiberson – Uni VI (brand and mo	del)	_ packer at	Within	100 feet	of the top perf.	
Other Data	·					
1. Name of the injection formation	n San And	res				
2. Name of field or Pool	Hobbs; (Grayburg - San	Andres		·	
3. Is this a new well drilled for injection? 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						
5. Give the depth to and name of	f any overlying and/or	r underlying oil and	gas zones	(pools) in this area	а.	
Grayburg – 3270, Glo	rieta – 5300					

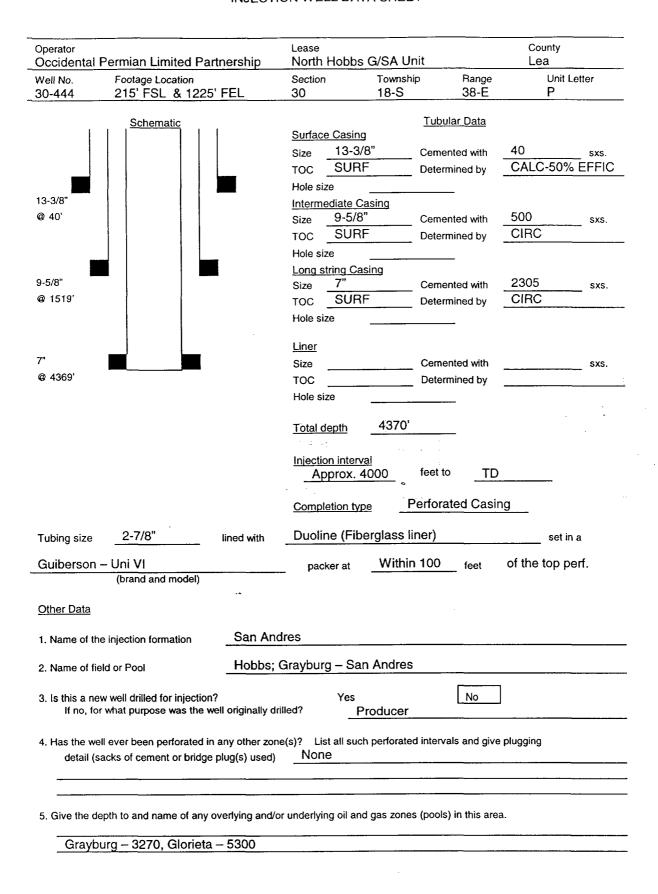
Operator Occidental Permian Limited Partners	Lease hip North Hobbs	G/SA I Init	County Lea			
	Section	Township Range				
Well No. Footage Location New Well TBD	30	18-S 38-E	H			
Schematic	Surface Casing Size 16" TOC SURF Hole size	Tubular Data Cemented with	40 EST. sxs.			
16" @ 40' EST.	Intermediate Ca Size 8-5/8' TOC SURF Hole size	Cemented with	850 EST. sxs.			
8-5/8" @ 1606' EST.	Long string Cas Size 5-1/2' TOC SURF Hole size	Cemented with	1000 EST. sxs.			
5-1/2"	Liner Size TOC Hole size	Cemented with Determined by	sxs.			
	Total depth Injection interva Approx. 4		: 500 feet			
	Completion typ		ing			
Tubing size 2-7/8" lined	with Duoline (Fibe	erglass liner)	set in a			
Guiberson – Uni VI (brand and model)	packer at	Within 100 feet	of the top perf.			
Other Data						
	an Andres					
2. Name of field or Pool H	obbs; Grayburg – San	Andres				
3. Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? Yes No 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						
5. Give the depth to and name of any overlyi	ng and/or underlying oil and	gas zones (pools) in this ar	ea.			
Grayburg – 3270, Glorieta – 53	00					

North Hobbs G/SA Unit Lea	Operator	Lease	C/CA Hr	si+	County	
Schematic Surface Casing Size 13-3/8" Cemented with N/A sxs.	Occidental Permian Limited Partnership	 			Lea	
Schematic Surface Casing Size 13-3/8" Cemented with N/A sxs.					Unit Le	etter
Surface Casing Size 13-3/8" Cemented with N/A sxs. TOC N/A Determined by N/A Hole size Intermediate Casing Size 8-5/8" Cemented with 370 sxs. CIRC SURF Determined by CIRC Hole size Long string Casing Casing Size S-1/2" Cemented with 350 sxs. Size S-1/2" Cemented with Size CIRC Hole size Cinc Size Cemented with Size Cinc Size Cemented with Size Size Cemented with Size Cemented with Size Cemented with Size Size Cemented with Size Size Cemented with Size Size Cemented with Size Size Cemented with Size Size Size Cemented with Size Si	30-432 2260 FSL & 178 FEL		10-3	30-E		
Intermediate Casing Size 8-5/8" Cemented with 370 sxs.	Schematic	Size 13-3/N/A		Cemented with		_ sxs.
Size 8-5/8" Cemented with 370 sxs. TOC SURF Determined by CIRC Hole size Long string Casing Size 5-1/2" Cemented with 350 sxs. CIRC SURF Determined by CIRC Hole size Long string Casing Size 5-1/2" Cemented with 350 sxs. CIRC Liner Size Cemented with 50 sxs. CIRC Liner Size Determined by Hole size 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. 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? If no, for what purpose was the well originally drilled? Production 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging	13-3/8"		asing			
8-5/8" 8-5/8" 9 1490' TOC SURF Long string Casing Size 5-1/2" Cemented with 350 sxs. CIRC Hole size Liner Size Cemented with sxs. CIRC 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 2-7/8" lined with Duoline (Fiberglass liner) set in a Guiberson – Uni VI packer at Within 100 feet of the top perf. Other Data 1. Name of the injection formation San Andres 4. Name of field or Pool Hobbs; Grayburg – San Andres No Production Yes No Production 1. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging	1 1 1	0.5/0		Comented with	370	eve
8-5/8" Cemented with 350 sxs.						_
Size S-1/2" Cemented with 350 sxs.			<u></u>	Determined by		<u>.</u>
Size 5-1/2" Cemented with 350 sxs. Size 5-1/2" Determined by CIRC Hole size Liner Size Cemented with Determined by CIRC Size Cemented with sxs. Cemented with Size Sxs. Liner Size Cemented with Size 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 Guitberson – Uni VI packer at Within 100 feet of the top perf. 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? If no, for what purpose was the well originally drilled? Production 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging			eina.			
TOC SURF Determined by CIRC Hole size Liner Size Cemented with sxs. Potermined by Determined by Determined by Determined by Determined by Size Total depth 4370' Injection interval Approx. 4000 feet to TD	8-5/8"	- 4/0		Comented with	350	eve
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 2-7/8" lined with Duoline (Fiberglass liner) set in a	1 1					_ \$45.
Size Cemented with sxs. Completion interval Approx. 4000 Feet to			<u> </u>	Determined by		
Size Cemented with sxs. TOC Determined by Hole size Total depth 4370' Injection interval Approx. 4000 feet to TD		Hole size				
Size Cemented with sxs. TOC Determined by Hole size Total depth 4370' Injection interval Approx. 4000 feet to TD		Liner				
TOC Determined by Hole size Total depth 4370' Injection interval Approx. 4000 feet to TD	5-1/2"			Camented with		cyc
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 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? Production 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging						_ 3,3.
Total depth 4370' Injection interval Approx. 4000 feet to TD	• 121.2			Determined by		
Injection interval Approx. 4000 feet to TD		Hole Size		·		÷
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 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? Production 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging		Total depth	4370'			
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? Production 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging				feet to TD	·	1:
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? If no, for what purpose was the well originally drilled? 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging		Completion type	_{oe} P	erforated Casir	ng	
(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? If no, for what purpose was the well originally drilled? 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging	Tubing size 2-7/8" lined with	Duoline (Fib	erglass li	ner)	set in	a
(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? If no, for what purpose was the well originally drilled? 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging	Guiberson – Uni VI	packer at	Within	100 feet	of the top pe	ırf.
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? If no, for what purpose was the well originally drilled? 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging		_ packer at		100	5. a.b top po	
2. Name of field or Pool Hobbs; Grayburg – San Andres 3. Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging						
3. Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging	1. Name of the injection formation San And	dres				
If no, for what purpose was the well originally drilled? Production 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging	2. Name of field or Pool Hobbs;	Grayburg – Sa	n Andres			
			roduction			
	•	· ·	h perforated	d intervals and give	plugging	
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.	5. Give the depth to and name of any overlying and/o	r underlying oil an	d gas zones	s (pools) in this are	a.	
Grayburg - 3270, Glorieta - 5300	Grayburg - 3270, Glorieta - 5300					

Operator Occidental F	Permian Limited Partnership	Lease North Hobb	County Lea				
Well No. 30-442	Footage Location 1300' FSL & 1050' FEL	Section 30	Township 18-S	Range 38-E	Unit Letter P		
	Schematic	Surface Casir Size 16" TOC SUF Hole size	-	Tubular Data Cemented with Determined by	40 sxs.		
16" @ 40'		Intermediate Size 8-5/ TOC SUF	8"	Cemented with Determined by	850 sxs.		
8-5/8" @ 1606'		Hole size Long string C Size 5-1/ TOC SUF Hole size	2"	Cemented with Determined by	900 sxs.		
5-1/2" @ 4510'		Liner Size TOC Hole size		Cemented with Determined by	sxs.		
		Total depth	4510'	••	•		
		Injection inter Approx.		feet to TD			
		Completion to	ype Pe	erforated Casir	ng		
Tubing size	3-1/2" lined with	Duoline (Fi	berglass lin	er)	set in a		
Guiberson -	- Uni VI (brand and model)	packer at	Within	100 feet	of the top perf.		
Other Data							
1. Name of the	e injection formation San An	dres					
2. Name of field	ld or Pool Hobbs;	Grayburg – S	an Andres				
3. Is this a new well drilled for injection? 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							
			·				
	pth to and name of any overlying and/	or underlying oil a	nd gas zones	(pools) in this area	a.		
_Graybı	ırg – 3270, Glorieta – 5300						

Operator Occidental P	ermian Limited Partnership	Lease North Hobbs	G/SA Un	nit	County Lea
Well No. New Well	Footage Location TBD	Section 30	Township 18-S	77.11	Unit Letter P
	Schematic	Surface Casing Size 16" TOC SURI		Tubular Data Cemented with Determined by	40 EST. sxs.
16" @ 40' EST.		Hole size Intermediate C Size 8-5/8 TOC SURI Hole size	···	Cemented with Determined by	850 EST. sxs.
8-5/8" @ 1606' EST.		Long string Case Size 5-1/2 TOC SURI Hole size	"	Cemented with Determined by	1000 EST. sxs.
5-1/2" @ 4510' EST.		Liner Size TOC Hole size		Cemented with Determined by	sxs.
		Total depth Injection interv Approx. 4		EST.	- 00 feet
		Completion typ	e Po	erforated Casir	ıg
Tubing size	2-7/8" lined with	Duoline (Fibe	erglass lir	ner)	set in a
Guiberson -	Uni VI (brand and model)	packer at	Within	100 feet	of the top perf.
Other Data 1. Name of the	injection formation San And	res			
2. Name of field	d or Pool Hobbs; G	Brayburg – Sar	n Andres		
	well drilled for injection? what purpose was the well originally dril	Yes In	jection	No	
	ever been perforated in any other zone cks of cement or bridge plug(s) used)	(s)? List all such None	n perforated	l intervals and give	plugging
	th to and name of any overlying and/or	underlying oil and	d gas zones	(pools) in this area	· · · · · · · · · · · · · · · · · · ·





Operator		Lease			County
Occidental Permian Lir	nited Partnership	North Hobbs	s G/SA Ur	nit	Lea
Well No. Footage Lo 31-121 1980' FN	ocation IL & 990' FWL	Section 31	Township 18-S	p Range 38-E	Unit Letter E
		········			
, <u>Schem</u>	atic			Tubular Data	
0.5.00		Surface Casin	-		200
9-5/8"		Size 9- 5/		Cemented with	800 sxs.
@ 1620'		TOC SUF	<u> </u>	Determined by	CIRC.
		Hole size			
		Intermediate (Casing		
		Size		Cemented with	SXS.
		TOC		Determined by	
		Hole size			
		Long string Ca	asing		
		Size 7"		Cemented with	sxs.
		TOC1733	3'	Determined by	CALC-50% EFFIC
		Hole size			
		Liner (Propos			
		Size5-1/2	2"	Cemented with	_50 (est.) sxs.
		TOC TOL	(est.)	Determined by	
7"		Hole size			
@ 4075'				—	
		Total depth	Propos	sed deepening	to 4300'
}			(Currer	nt TD is 4189')	
5-1/2"		Injection inter	<u>val</u>		
@4300'		Approx.	4000_	feet to TD	
		Completion ty	pe P	erforated Casir	ng
Tubing size 2-7/8"	lined with	Duoline (Fit	erglass lir	ner)	set in a
					· · · · · · · · · · · · · · · · · · ·
Guiberson – Uni VI	·	_ Packer at	Within	100 feet	of the top perf.
(brand and	model)				
Otto - Data					
Other Data					
1. Name of the injection form	nation San And	dres			
2. Name of field or Pool	Hobbs;	Grayburg – Sa	n Andres		
3. Is this a new well drilled for	or injection? was the well originally dr	Yes	Producer	No	
Has the well ever been per detail (sacks of cement	erforated in any other zon it or bridge plug(s) used)	e(s)? List all suc None	ch perforated	I intervals and give	plugging
 					
Control of the control el>	·			<u> </u>	
5. Give the depth to and nar	me of any overlying and/o	or underlying oil ar	nd gas zones	(pools) in this are	a.
Byers 3740, Glori	eta – 5300				
					

Operator Occidental Permian Limited Partnership	Lease North Hobbs G/SA Unit	County Lea			
Well No. Footage Location 31-312 1262' FNL & 1520' FEL	Section Township 31 18-S	Range Unit Letter 38-E B			
Schematic	Surface Casing Size 16" Cen	nented with 40 sxs. ermined by CIRC			
16" @ 40'	OUDE	nented with 950 sxs. ermined by CIRC			
8-5/8" @ 1598'	Long string Casing Size 5-1/2" Cer	nented with 1050 sxs. ermined by CBL			
5-1/2" 4 510'		nented with sxs.			
·. •	Total depth 4510' Injection interval Approx. 4000 feet	t to <u>TD</u>			
		rated Casing			
Tubing size 3-1/2" lined with	Duoline (Fiberglass liner)	set in a			
Guiberson – Uni VI (brand and model)	packer at Within 100	of the top perf.			
Other Data					
Name of the injection formation San And	res				
2. Name of field or Pool Hobbs; (Grayburg – San Andres				
Is this a new well drilled for injection? If no, for what purpose was the well originally dri	Yes led? Injector	No			
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.					
Grayburg – 3270, Glorieta – 5300		·			

	-		
Operator	Lease	County	
Occidental Permian Limited Partnership	North Hoobs G/SA Un		

Operator Occidental P	ermian Limited Partnership	Lease North Hobbs	G/SA Ur	nit	County Lea	
Well No. New Well	Footage Location TBD	Section 31	Townshi	p Range 38-E	Unit Letter B	
	Schematic	Surface Casing Size 16" TOC SURF Hole size		Tubular Data Cemented with Determined by	40 EST. s	xs.
16" @ 40' EST.		Size 8-5/8" TOC SURF		Cemented with Determined by	850 EST. s	xs.
8-5/8" @ 1606' EST.		Long string Cas Size 5-1/2* TOC SURF Hole size		Cemented with Determined by	1000 EST. s	xs.
5-1/2" @ 4510' EST.		Liner Size TOC Hole size	<u> </u>	Cemented with Determined by	s	xs.
		Total depth Injection interva Approx. 4		feet to 450	00 feet	
_	0.7/0"	Completion type		erforated Casir	·· •	
Tubing size Guiberson –	2-7/8" lined with	Duoline (Fibe	Within		of the top perf.	
Guiberson	(brand and model)	_ packer at	- viam	100 leet	or the top peri.	
Other Data						•
1. Name of the	injection formation San And	res				
2. Name of field	d or Pool Hobbs; C	Grayburg – Sar	Andres			
	well drilled for injection? what purpose was the well originally dril	Yes In] jection	No		
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.						
	rg – 3270, Glorieta – 5300					

Operator	Lease	0/04 11 3		County	
Occidental Permian Limited Partnership	North Hobbs	G/SA Uni	<u>t </u>	Lea	
Well No. Footage Location	Section	Township		Unit Le	tter
32-112 1370' FNL & 330' FWL	32	18-S	38-E	0	
32-112 1370' FNL & 330' FWL Schematic 9-5/8" 9 2757' 7" 9 3954'	Surface Casing Size 15-1/2 TOC SURF Hole size Intermediate Casize 9-5/8' TOC 1774' Hole size Long string Casize 7" TOC 3086' Hole size Liner Size 5" TOC 3841'	asing	Tubular Data Cemented with Determined by Cemented with Determined by Cemented with Determined by Cemented with Determined by	200 CIRC 350 CALC-50% 200 CBL	sxs. Sxs. EFFIC sxs.
@ 3954	Hole size		· · · · · ·	•	ಆ
5" Liner @ 3841-4273'	Total depth Injection interva Approx. 4 Completion typ	000_ 1	feet to TD	 ng	·
Tubing size 2-7/8" lined with	Duoline (Fibe	erglass lin	er)	set in a	a
Guiberson – Uni VI	postos sa	Within ⁻	100	of top perf.	
(brand and model)	_ packer at		100 feet	or top peri.	
Other Data 1. Name of the injection formation San And	Ires				
2. Name of field or Pool Hobbs; (Grayburg – Sar	Andres			
Is this a new well drilled for injection? If no, for what purpose was the well originally dri	Yes	roducer	No		
Has the well ever been perforated in any other zone detail (sacks of cement or bridge plug(s) used)	e(s)? List all such None	n perforated i	intervals and give	plugging	
					
					
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.					
Grayburg - 3270, Glorieta - 5300					

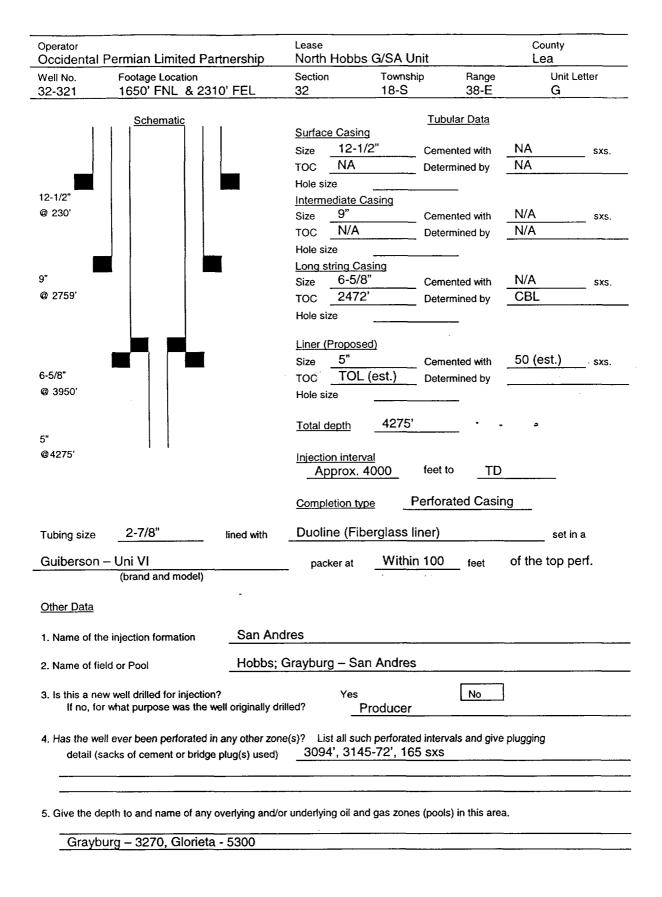
Operator	Lease	0.00 4 11 11		County	
Occidental Permian Limited Partnership	North Hobbs			<u>Lea</u>	
Well No. Footage Location	Section	Township	Range	Unit Letter	
32-131 2310 FSL & 330 FWL	32	18-S	38-E	L	
Schematic 13-3/8" @ 212' 9-5/8" @ 2740'	Surface Casin Size 13-3 TOC SUR Hole size Intermediate C Size 9-5/8 TOC 1756 Hole size Long string Ca Size 7" TOC 3140	Tubi g /8" Ceme F Deter Casing 8" Ceme '' Deter asing Ceme	ular Data ented with mined by ented with mined by ented with mined by	200 sxs. CALC-50% EFFIC 350 sxs. CALC-50% EFFIC 150 sxs. CBL	
	Hole size	, Deter	minea by		
7" @ 3966' 4-1/2" Liner @ 3813-4250' Tubing size		4250' /al 4000 feet to	ated Casir	65 sxs. CALC-50% EFFIC	
Guiberson – Uni VI	_ packer at	Within 100	feet	or top peri.	
(brand and model) Other Data 1. Name of the injection formation San An	dres				
2. Name of field or Pool Hobbs;	Grayburg - Sa	n Andres			
3. Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? Producer					
Has the well ever been perforated in any other zor detail (sacks of cement or bridge plug(s) used)		th perforated interviole, 480 sxs ci		plugging	
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.					
Grayburg – 3270, Glorieta - 5300					

Operator Occidental Perm	ian Limited Partnership	Lease North Hobbs	G/SA Uni	t	County Lea	
Well No. For	otage Location '20' FNL & 1370' FWL	Section 32	Township 18-S		Unit Letter F	
	Schematic	Surface Casing Size 16" TOC SURF Hole size		Tubular Data Cemented with Determined by	40 sxs.	
16" @ 40'		Size 8-5/8" TOC SURF	· · · · · · · · · · · · · · · · · · ·	Cemented with Determined by	800 sxs.	
8-5/8" @ 1607'		Hole size Long string Cas Size 5-1/2" TOC 724' Hole size		Cemented with Determined by	900 sxs.	
5-1/2" @ 4510'		Liner Size TOC Hole size		Cemented with Determined by	SXS.	
		Total depth Injection interva Approx. 4	_	feet to TD		
		Completion type	<u> Pe</u>	erforated Casir	ng	
Tubing size 3	3-1/2" lined with	Duoline (Fibe	erglass lin	er)	set in a	
Guiberson – Uni	i VI rand and model)	packer at	Within	100 feet	of the top perf.	
Other Data	Con And	ros				
Name of field or F			Andres			
3. Is this a new well	2. Name of field or Pool Hobbs; Grayburg – San Andres 3. Is this a new well drilled for injection? 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						
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.						
Grayburg -	3270, Glorieta – 5300					

Operator Occidental Permian Limited Partnershi	Lease North Hobbs	G/SA Unit		County Lea	
Well No. Footage Location New Well TBD	Section 32	Township 18-S	Range 38-E	Unit Letter F	
Schematic	Surface Casino Size 16" TOC SUR Hole size	Tubu	ular Data	40 EST. sxs.	
16" @ 40' EST.	Intermediate C Size 8-5/8 TOC SUR	Ceme		850 EST. sxs. CIRC	
8-5/8" @ 1606' EST.	Hole size Long string Ca Size 5-1/2 TOC SUR	." Ceme		1000 EST. sxs.	
5-1/2"	Hole size <u>Liner</u> Size TOC		ented with mined by	sxs.	
	Hole size <u>Total depth</u> <u>Injection interv</u>		 - ·	0	
	<u>Approx. 4</u>		4500 ated Casing	feet	
Tubing size 2-7/8" lined wi	th Duoline (Fib	erglass liner)		set in a	
Guiberson – Uni VI (brand and model)	packer at	Within 100	feet O	of the top perf.	
Other Data					
Name of the injection formation San	Andres				
2. Name of field or Pool Hob	bs; Grayburg – Sa	n Andres			
3. Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? Injection No					
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 an	d gas zones (pools	i) in this area.		
Grayburg - 3270, Glorieta - 5300					

Operator			Lease	0/04.11	•	County	
·	ermian Limited Par	tnership	North Hobbs			Lea	
Well No.	Footage Location		Section	Townshi		Unit Let	ter
32-223	2630' FNL & 142	0' FWL	32	18-S	38-E	F	
	Schematic		Surface Casing Size 13-3/4 TOC N/A Hole size		Tubular Data Cemented with Determined by	N/A N/A	sxs.
13-3/8" @ 40'		_	Intermediate Ca Size 9-5/8' TOC SURF	··	Cemented with Determined by	600 CIRC	sxs.
9-5/8" @ 1500'			Long string Cas Size 7" TOC SURI		Cemented with Determined by	975 CIRC	sxs.
7" @ 4369'		;•	Liner Size TOC Hole size		Cemented with Determined by		sxs.
			Total depth Injection interval Approx. 4		feet to TD		. . .
			Completion typ	<u>e</u> P	erforated Casir	ng	
Tubing size	2-7/8"	lined with	Duoline (Fibe	erglass li	ner)	set in a	r
Guiberson –	Uni VI		packer at	Within	100 feet	of the top per	f.
	(brand and model)		- •				
Other Data							
1. Name of the i	njection formation	San And	res				
2. Name of field	or Pool	Hobbs; C	Grayburg – Sar	Andres		·	
	3. Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? Producer No						
	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						
			4				
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.							
Graybur	g – 3270, Glorieta	- 5300					

Operator Occidental F	Permian Limited Partnership	Lease North Hobb	s G/SA Un	it	County Lea	
Well No. 32-312	Footage Location 210' FNL & 1400' FEL	Section 32	Township 18-S	Range 38-E	Unit B	Letter
	Schematic	Surface Casi Size 13-3 TOC NA	ng 3/8"	Tubular Data Cemented with Determined by	NA NA	sxs.
13-3/8" @ @ 40'		Intermediate Size 8-5/ TOC SUI	8"	Cemented with Determined by	650 CIRC	sxs.
8-5/8" @ 1519'		Hole size Long string C Size 5-1/ TOC SUI Hole size	2"	Cemented with Determined by	1120 CIRC	sxs.
5-1/2" @ 4369'		Liner Size TOC Hole size		Cemented with Determined by		sxs.
		Total depth Injection inte Approx. Completion to	4000	feet toTD		
Tubing size	2-7/8" lined with	Duoline (Fi	berglass lin	ner)	set i	n a
Guiberson -	- Uni VI (brand and model)	packer at	Within	100 feet	of the top p	erf.
Other Data	(craire and moust)			:		
1. Name of the	injection formation San Ar	ndres				
2. Name of fiel	d or Pool Hobbs	; Grayburg – S	an Andres			
	well drilled for injection? what purpose was the well originally o	Yes drilled?	Producer	No]	
	ever been perforated in any other zo cks of cement or bridge plug(s) used	4.1	ich perforated	intervals and give	plugging	
5. Give the der	oth to and name of any overlying and	or underlying oil a	nd gas zones	(pools) in this area	a.	
	rg – 3270, Glorieta - 5300					· · · · · · · · · · · · · · · · · · ·

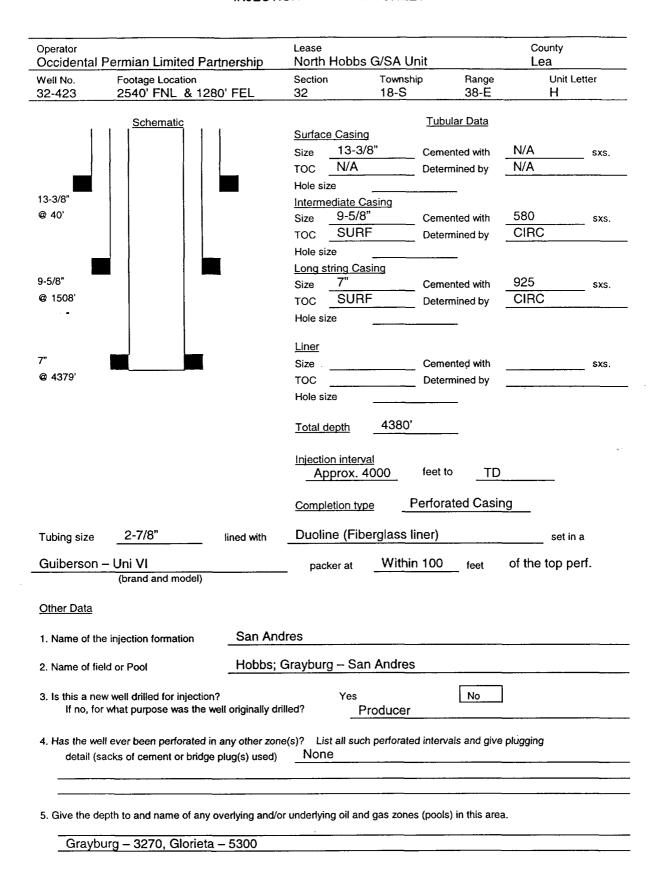


Occidental Permian Limited Partnership North Hobbs (3/s A Unit Letter Fociage Location Section Section Township Range Unit Letter 132-323 Fociage Location Section Township Range Unit Letter 140 Section 132-323 Fociage Location Section Township Range Unit Letter 140 Section 132-323 Fociage Location Size 16° Cemented with 40 section 160 CIRC Fociage Intermediate Casing Size 16° Cemented with 40 section 160 CIRC Fociage Intermediate Casing Size 8-5/8° Cemented with 1000 section 160 Fociage Intermediate Casing Size 8-5/8° Cemented with 1000 section 170 Circ Surfer Determined by CIRC Fociage Fociage Size 5-1/2° Cemented with 1000 section 170 Circ 3624° Determined by Fociage	Operator	armian Limitad Par	tnarchin	Lease	c G/SA Ur	nit	County Lea	
32-323 1370' FNL & 1400' FEL 32 18-S 38-E G Surface Casing Size 16' Cemented with TOC SURF Determined by CIRC Intermediate Casing Size 8-5/8' Cemented with TOC SURF Determined by CIRC Intermediate Casing Size 8-5/8' Cemented with TOC SURF Determined by CIRC Intermediate Casing Size 8-5/8' Cemented with TOC SURF Determined by CIRC Intermediate Casing Size 8-5/8' Cemented with TOC SURF Determined by MICRO-SEISMO. Hole size Long string Casing Size 5-1/2' Cemented with TOC 3624' Determined by MICRO-SEISMO. Hole size Liner Size Cemented with TOC Determined by Hole size Total depth 4400' Determined by Hole size Size Cemented with TOC Determined by Hole size Size Cemented with TOC Determined by Hole size Size Cemented with TOC Determined by Hole size Size Cemented with TOC Determined by Hole size Size Cemented with TOC Determined by Hole size Size Cemented with TOC Determined by Hole size Size Cemented with TOC Determined by Hole size Size Cemented with TOC Determined by Hole size Size Cemented with Size Cemented with TOC Determined by Hole size Size Cemented with Size Cemented with Size Cemented with Size Cemented with Size Size Size Size Cemented with Size Size Size Size Size Size Size Size			u letatilp					
Schematic Surface Casing Size 16" Cemented with 40 sxs. CIRC Hole size Intermediate Casing Size 8-5/8" Cemented with 1000 sxs. CIRC Hole size Intermediate Casing Size 8-5/8" Cemented with 1000 sxs. CIRC Intermediate Casing Size 8-5/8" Cemented with 1000 sxs. CIRC About 1000 sxs. CIRC Intermediate Casing Size 8-5/8" Cemented with 1000 sxs. CIRC Intermediate Casing Size 5-1/2" Cemented with 1000 sxs. Completion Casing Size 5-1/2" Cemented with 1000 sxs. Cemented with 1000 sxs. Completion interval Approx. 4000 feet to 100 Completion type Perforated Casing Tubing size 3-1/2" lined with 1000 feet of the top perf. Completion type Perforated Casing Duoline (Fiberglass liner) set in a 100 set in a 1		•	o' EEI					er
Surface Casing Size 16" Size 16" Cemented with 40 sxs. Hole size Intermediate Casing Size 8-5/8" Cemented with 1000 sxs. CIRC Hole size Intermediate Casing Size 8-5/8" Cemented with 1000 sxs. Cemen	_32-323	13/0 FINE & 140	O PEL	32	16-3	30-E	<u> </u>	
Surface Casing Size 16" Size 16" Cemented with 40 sxs. Hole size Intermediate Casing Size 8-5/8" Cemented with 1000 sxs. CIRC Hole size Intermediate Casing Size 8-5/8" Cemented with 1000 sxs. Cemen		Schematic				Tubular Data		
Size 16" Cemented with 40 sxs.	1 1	J Contentialic	1	Surface Casir	ng	Tabalal Bala		
ToC SURF Determined by CIRC Hole size Intermediate Casing Size 8-5/8" Cemented with 1000 sxs. TOC SURF Determined by CIRC Hole size Long string Casing Size 5-1/2" Cemented with 5/20 sxs. ToC 3624' Determined by MICRO-SEISMO. Hole size Liner Size Cemented with sxs. ToC 16400' Liner Size Cemented with sxs. ToC Determined by MICRO-SEISMO. Hole size Liner Size Cemented with sxs. ToC Determined by Hole size Liner Size Cemented with sxs. ToC Determined by Hole size Liner Size Cemented with sxs. ToC Determined by Hole size Liner Size Cemented with sxs. ToC Determined by Hole size Liner Size Cemented with sxs. ToC Determined by Hole size Liner Size Cemented with sxs. ToC Determined by Hole size Liner Size Cemented with sxs. ToC Determined by Hole size Liner Size Cemented with sxs. ToC Determined by Hole size Liner Size Cemented with sxs. ToC Determined by Hole size Liner Size Cemented with sxs. ToC Determined by Hole size Liner Size Cemented with sxs. ToC Determined by Hole size Liner Size Cemented with sxs. ToC Determined by Hole size Liner Size Cemented with sxs. ToC ToC Determined by Hole size Liner Size Cemented with sxs. ToC ToC Determined by Hole size Liner Size Cemented with sxs. ToC ToC Determined by Hole size Liner Size Cemented with sxs. ToC ToC Determined by Hole size Liner Size S-1/2" Determined by Hole size Liner Size S-1/2" Determined by Hole size Liner Size S-1/2" Size S-1/2" Determined by Hole size Liner Size S-1/2" Size S-1/2" Determined by Hole size Liner Size S-1/2" Size S-1/2" Size S-1/2" Size Size Size Size Size Size Size Size				4.04		Cemented with	40	cvc
Hole size Size 8-5/8" Cemented with 1000 sxs.			1		RF.			3.3.
Intermediate Casing Size & 8-5/8" Cemented with 1000 sxs.						Determined by		
Size 8-5/8" Cemented with 1000 sxs.	16"				<u> </u>			
8-5/8' 8-1600' 8-5/8' 9-1600' 8-5/8' 9-1600' 8-5/8' 9-1600' 8-5/8' 9-1600' 8-5/8' 9-1600' 8-5/8' 9-1600' 8-5/8' 9-1600' 8-5/8' 9-1600' 8-5/8' 9-1600' 8-5/8' 9-1600' 8-5/8' 9-1600' 8-5/8' 9-1600' 9-1600 8-5/8' 9-1600' 8-5/8' 9-1600' 8-5/8' 9-1600' 8-5/8' 9-1600' 8-5/1/2" 9-1600 8-5/8' 9-20 8-xs. MICRO-SEISMO. MICRO-SEISMO. MICRO-SEISMO. MICRO-SEISMO				0.51			1000	
Hole size Long string Casing Size 5-1/2" TOC 3624' Determined by MICRO-SEISMO. Hole size Liner Size Camented with sxs. Camented with Sxs. Camented with Sxs. Camented with Sxs. Camented with Sxs. Camented with Sxs. Camented with Sxs. Camented with Sxs. Camented with Sxs. Camented with Sxs. ToC Determined by Hole size 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. 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 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) 5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.	& 40							SXS.
8-5/8" 6 1600' Size 5-1/2" Cemented with Determined by MICRO-SEISMO. Hole size Liner Size Cemented with Size Size Cemented with Hole size Liner Size Cemented with Size Size Cemented with Size Size Cemented with Size Size Cemented by Hole size Size Cemented by Hole size Size Cemented by Hole size Size Cemented by Hole size Size Size Cemented by Hole size Size Size Size Size Size Size Size S				TOC SU	<u> </u>	Determined by	CIRC	
8-5/6" © 1600' Size 5-1/2" Cemented with TOC 3624' Determined by MICRO-SEISMO. Hole size Liner Size Cemented with Size Cemented with Size Cemented with Size Cemented with Size Size Cemented with Size Size Cemented by Hole size Determined by Hole size Total depth 4400' 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 Injection 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging None 5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.			•	Hole size				
TOC 3624' Determined by MICRO-SEISMO. Hole size Liner Size Cemented with sxs. TOC 100 Determined by Hole size 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. Other Data 1. Name of the injection formation San Andres 2. Name of field or Poot Hobbs; Grayburg — San Andres 3. Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? Yes No 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) 5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.								
Size Cemented with sxs. Campletion interval Approx. 4000 Get to TD	8-5/8"			Size 5-1/	2"	Cemented with	920	sxs.
Size Cemented with Size Size Cemented with Size Determined by Hole size Total depth 4400' Injection interval Approx. 4000 feet to TD	@ 1600'			TOC 362	4'	Determined by	MICRO-SEIS	MO.
Size Cemented with Size Size Cemented with Size Determined by Hole size Total depth 4400' Injection interval Approx. 4000 feet to TD		1		Hole size		·	-	
Size Cemented with sxx. TOC Determined by Hole size Total depth 4400' 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. 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 Injection 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 None 5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.				11010 0120	•			
Size Cemented with sxx. TOC Determined by Hole size Total depth 4400' 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. 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 Injection 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 None 5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.				Liner				
TOC Determined by Hole size Total depth 4400' 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. 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 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) 5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.	5-1/2"	•				Cemented with		SXS
Hole size Total depth 4400' 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. 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 Injection 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging Mone 5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.	@ 4400'							
Total depth 4400'				—		Determined by		
Injection interval Approx. 4000 feet to TD				Hole Size	<u>·</u>		•	
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 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.				Total depth	4400'			
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. 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) 5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.						feet to TD		
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? 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.				Approx.	4000	100.10	- 	
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? If no, for what purpose was the well originally drilled? 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.				Completion to	<u>rpe</u> P	erforated Casir	<u>ig</u>	
(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.	Tubing size	3-1/2"	lined with	Duoline (Fi	berglass li	ner)	set in a	
(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.				•				
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.	_Guiberson –			packer at	Within	100 feet	of the top perf	•
1. Name of the injection formation 2. Name of field or Pool 3. Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? 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.		(brand and model)						
2. Name of field or Pool Hobbs; Grayburg – San Andres Yes 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.	Other Data							
3. Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? 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.	1. Name of the	injection formation	San And	res	· · ·		· · · · · · · · · · · · · · · · · · ·	
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.	2. Name of field	or Pool	Hobbs; G	Brayburg – Sa	an Andres			
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.						No		
detail (sacks of cement or bridge plug(s) used) None Solution None None None Solution None None	it no, for v	vnat purpose was the w	eu onginally dril	ied? —	Injection			
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.								
	2222. (000		, -91-,					
Grayburg – 3270, Glorieta – 5300	5. Give the dep	5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.						
	Graybur	g – 3270, Glorieta	- 5300					

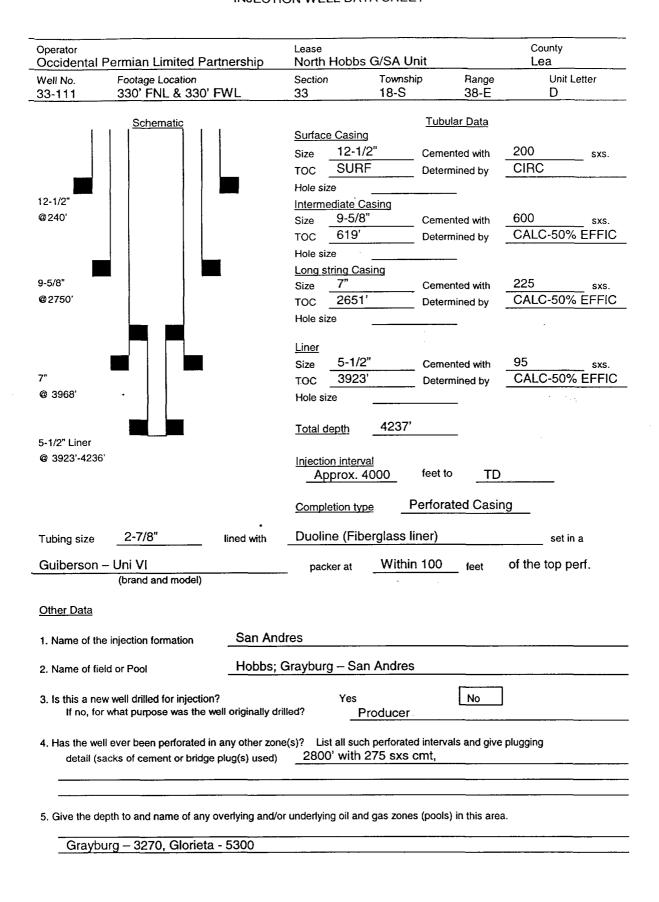
Operator	ermian Limited Partnership	Lease North Hobbs	G/SA Uni	it	County Lea
Well No. New Well	Footage Location TBD	Section 32	Township 18-S		Unit Letter A
	Schemattc	Surface Casing Size 16" TOC SURF Hole size		Tubular Data Cemented with Determined by	40 EST. sxs.
16" @ 40' EST.		Size 8-5/8" TOC SURF	, 	Cemented with Determined by	850 EST. sxs.
8-5/8" @ 1606' EST.		Long string Cas Size 5-1/2" TOC SURF Hole size	-	Cemented with Determined by	1000 EST. sxs.
5-1/2" @ 4510' EST.		Liner Size TOC Hole size		Cemented with Determined by	sxs.
		Total depth	4510' E	ST.	7
		Injection interva Approx. 4	_	feet to450	00 feet
		Completion type	<u>e</u> <u>P</u> e	erforated Casir	ng
Tubing size	2-7/8" lined with	Duoline (Fibe	erglass lin	er)	set in a
Guiberson –	Uni VI (brand and model)	_ packer at	Within	100 feet	of the top perf.
Other Data					
1. Name of the i	njection formation San And	Ires			
2. Name of field	or Pool Hobbs; (Grayburg – San	Andres		
	well drilled for injection? that purpose was the well originally dri	Yes In] jection	No	
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.					
Graybur	g – 3270, Glorieta – 5300				

Operator	Lease	County			
Occidental Permian Limited Partners	ip North Hobbs G/SA Unit	Lea			
Well No. Footage Location	Section Township	Range Unit Letter			
New Well TBD	32 18-S	38-E G			
Schematic	Surface Casing Size 16" Ce	emented with 40 EST. sxs. CIRC			
16" @ 40' EST.	OUDE	emented with 850 EST. sxs. CIRC			
8-5/8" @ 1606' EST.	01105	emented with 1000 EST. sxs. CIRC			
5-1/2"		emented withsxs. etermined by			
	Total depth 4510' ES	 т			
	Injection interval Approx. 4000 fe	et to 4500 feet			
	Completion type Perf	forated Casing			
Tubing size 2-7/8" lined		r) set in a			
Guiberson – Uni VI (brand and model)	packer at Within 10	of the top perf.			
Other Data					
1. Name of the injection formation	n Andres				
2. Name of field or Pool H	bbs; Grayburg - San Andres				
3. Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? Yes No 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					
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.					
Grayburg - 3270, Glorieta - 530	0				

Operator Occidental Permian Limited Partnership		Lease North Hobbs	G/SA Uni	County Lea			
Well No. 32-422	Footage Location 1385' FNL & 110' FEL	Section 32	Township 18-S	Range 38-E	Unit Lett	er	
	Schematic	Surface Casing Size 13-3/ TOC N/A Hole size	8"	Tubular Data Cemented with Determined by	N/A N/A	sxs.	
13-3/8" @ 40'		Intermediate C Size 9-5/8 TOC SURI	"	Cemented with Determined by	425 CIRC	sxs.	
9-5/8" @ 1538'		Long string Car Size 7" TOC 1032 Hole size		Cemented with Determined by	570 CALC-50% E	sxs. FFIC	
7" @ 4369'		Liner Size TOC Hole size		Cemented with Determined by		sxs.	
		Total depth Injection interv Approx. 4 Completion typ	<u>al</u> 1000	feet to TD	ng		
Tubing size	2-7/8" lined with	Duoline (Fibe	erglass lin	ier)	set in a		
Guiberson –	Uni VI (brand and model)	_ packer at	Within	100 feet	of the top perf		
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? 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							
	h to and name of any overlying and/org = 3270, Glorieta = 5300	r underlying oil and	d gas zones	(pools) in this area	1.		



Operator Occidental Perm	ian Limited Partnership	Lease County North Hobbs G/SA Unit Lea					
Well No. Foo	otage Location 10' FSL & 330' FEL	Section 32	Township 18-S	Range 38-E	Unit Letter		
	Schematic	Surface Casing Size 9-5/8' TOC 1415' Hole size	' <u>'</u>	Tubular Data Cemented with Determined by	475 sxs. CALC-50% EFFIC		
9-5/8" @ 2750'		Size 7" TOC 1919' Hole size	(Cemented with Determined by	350 sxs. CALC-50% EFFIC		
7" @ 3968'		Long string Case Size 5" TOC 3406' Hole size		Cemented with Determined by	65 sxs. CALC-50% EFFIC		
5" @ 4244'		Liner Size TOC Hole size		Cemented with Determined by	sxs.		
		Total depth Injection interva	4245'				
		Approx. 4 Completion typ	.000 f	rforated Casir	<u></u>		
Tubing size 2	-7/8" lined with	Duoline (Fibe	erglass line	er)	set in a		
Guiberson – Uni	VI and and model)	_ packer at	Within 1	100 feet	of the top perf.		
Other Data	0 4	res					
Name of the injection formation San Andres Name of field or Pool Hobbs; Grayburg – San Andres							
3. Is this a new well drilled for injection? 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) 266, 1567 sqz holes, 100 sxs							
5. Give the depth to	and name of any overlying and/or	underlying oil and	l gas zones (pools) in this area	3.		
Grayburg –	3270, Glorieta – 5300						



Operator	ermian Limited Pa	rtnorchin	Lease	Johns G	a/SA Un	.i+	County Lea	
		THEISTIP		TODOS C				-11
Well No.	Footage Location	3' EW/I	Section		Township 18-S	o Range 38-E	Unit Lo	etter
33-212	205' FNL & 1420	J FVVL	33		10-3	30-E		
	Schematic					Tubular Data		
1	I Schematic	1	Surface	Casing		Tabalai Dala		
	1 1		Size	13-3/8	,	Cemented with	40	sxs.
			TOC	SURF		Determined by	CIRC	- 3.3.
			_			Determined by		
13-3/8"			Hole size	-				
@ 40'				diate Cas 8-5/8"	ing		875	
6 40			Size _			Cemented with		_ \$xs.
			TOC	SURF		Determined by	CIRC	
			Hole size	e _				
			Long str	ring Casir	<u>ng</u>			
8-5/8"			Size	5-1/2"		Cemented with	900	sxs.
@ 1520'			TOC	SURF		Determined by	CIRC	
			Hole size	e _				
]			_				
			<u>Liner</u>					
5-1/2"			Size			Cemented with		sxs.
@ 4370'			TOC			Determined by		
			Hole size	e				
				-				
			Total de	<u>epth</u>	4370'		•	
				<u>1 interval</u>		(TD		
			App	orox. 40	00_	feet toTD	* *,	
			0	·· · · · · · · · ·	D	erforated Casir	ng.	
			Comple	tion type		eriorateu Casii	<u>ig</u>	
Tubing size	2-7/8"	lined with	Duolin	e (Fiber	glass lir	ner)	set in	а
-								
Guiberson –			pack	er at _	Within	100 feet	of the top pe	erf.
	(brand and model)			•				
Other Data								
Julei Dala								
1. Name of the	injection formation	San And	res					
2. Name of field or Pool Hobbs; Grayburg – San Andres								
3. Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? Injection								
4. Use the well ever been perfected in any other gone/o/2. List all evels perfected intervals and give plureing								
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.								
Grayburg – 3270, Glorieta – 5300								
	<u>a ,</u>							

Operator Occidental F	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		
	Schematic	Surface Casin Size 16" TOC SUF	<u>Tut</u>	oular Data ented with	40 sxs.		
13-3/8" ————————————————————————————————————		Size 8-5/8 TOC SUF	3" Cem	ented with	800 sxs.		
8-5/8" @ 1600'		Hole size Long string Ca Size 5-1/2 TOC SUF Hole size	2" Cem	ented with	1100 sxs.		
5-1/2" @ 4400'		Liner Size TOC Hole size		nented with ermined by	sxs.		
		Total depth Injection inten	4400'	 to TD			
		Approx. Completion ty	5 (rated Casir	ng		
Tubing size	2-7/8" lined with	Duoline (Fit	erglass liner)		set in a		
Guiberson -	Uni VI (brand and model)	_ packer at	Within 100	feet	of the top perf.		
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? 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							
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.							
Graybı	urg - 3270, Glorieta - 5300		·				

Operator Occidental P	ermian Limited Par	Lease North Hobbs	G/SA Ur	County Lea		
Well No. 36-321	Footage Location 1650' FNL & 1650)' FEL	Section 36	Townshi	ip Range 37-E	Unit Letter G
8-5/8'' @ 374'	Schematic		Surface Casing Size 8- 5/8 TOC SURF	,,,	Tubular Data Cemented with Determined by	350 sxs.
			Hole size Intermediate Ca Size TOC	asing	Cemented with Determined by	sxs.
			Hole size Long string Cas Size 5-1/2" TOC 2825'		Cemented with Determined by	400 sxs.
			Hole size Liner Size TOC		Cemented with Determined by	sxs.
5-1/2'' @ 4286'			Hole size Total depth		sed to deepen	to 4300'
			Approx. 40 Completion type	000	feet to <u>TD</u> Open Hole	
Tubing size	2-7/8"	lined with	Duoline (Fibe	erglass li	ner)	set in a
Guiberson –	Uni VI (brand and model)		Packer at	Within	100 feet	of the top perf.
Other Data 1. Name of the	injection formation	San And	res			
			arayburg – San	Andres		
2. Name of field or Pool HODDS; Grayburg — San Andres 3. Is this a new well drilled for injection? 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						
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.						
Byers 3	740, Glorieta – 530	0				

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

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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

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State of New Mexico Commissioner of Public Lands P. O. Box 1148 Santa Fe, NM 87504-1148

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Standard Presorted

- Operated daily production over 200,000 barrels of oil equivalent
- World class CO₂ expertise; operate 17 CO₂ fields
- 50% of current production comes from CO₂ floods
- 14,000 producing/injecting wells
 - 400 wells being drilled in 2001
- 7 operated gas plants
- Ownership in 8 of the 10 largest Permian fields
- One million net acres
- 850 employees
- Acquired Altura Energy (a merger of all Shell & Amoco Permian Basin E&P assets) in April 2000
 - Corporation, the world's largest "inde-Owned by Occidental Petroleum pendent" oil and gas company





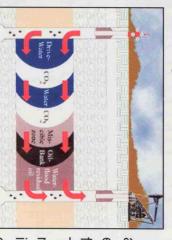


Q. What is CO₂ flooding?

oil-bearing reservoir. recovery that allows additional recovery of oil trapped in an CO₂ (carbon dioxide) flooding is a form of enhanced oil

tion to further enhance recovery.

Sometimes the CO₂ injection is alternated with water injec-



directly from the reserinvolves pumping oil mary" production effective oil recovery are used to maximize from a known reservoir The first phase or "pri-Different processes

which consists of pumping water into the oil reservoir to push additional oil to the production wells for recovery. voir. The second phase typically involves waterflooding,

amount of oil ultimately recovered from the reservoir. 50% of the original oil-in-place still remaining in the reservoir. At this point, CO₂ is used to further increase the When waterflooding is completed, there is typically

acts like a solvent for the remaining oil trapped within the pore structure of the reservoir rock. When CO₂ is injected into a waterflooded reservoir, it

duction wells to flow once again toward the prooil to increase its volume and reduce its viscosity. This action frees up oil The CO₂ combines with the residual

Hobbs

experience developing and operating this type of project in sible, and effective. Oxy Permian employees have the most ects have been producing for more than 15 years. CO₂ floodday in enhanced oil recovery production. Many of these proj-West Texas and southeastern New Mexico. in the Permian Basin, pumping out 150,000 barrels of oil per ing technology has been proven safe, environmentally respon-Currently, there are approximately 50 CO₂ projects ongoing

Q. What are 0xy Permian's plans for 00_2 flooding in the

barrels of oil and possibly result in the recovery of an additional 75 million extend the life of the North Hobbs Unit by more than 20 years Company reservoir engineers estimate the recovery project will tion of a major CO₂ flood project at its North Hobbs Unit. Starting early next year, Oxy Permian will begin construc-

the Permian Basin over the past 15 years. This project is the largest CO₂ flood project undertaken in

Phase I will encompass over 8,000 acres northwest of

reactivation of numerous shut-in wells. Hobbs and will involve new drilling and the

North Hobbs Unit CO₂ Flood Phase 1 pproximate Start Dates

and operating this type of project safely and CO₂ team is the industry leader in developing ence in the Permian Basin, Oxy's world-class efficiently. With more than three decades of experi-

Q. How will this project benefit the Hobbs community?

construction starting early in 2002. and 300 contract employees will be hired during Phase struction to complete the Phase I project. Between 200 approximately \$130 million on well work and facility con-Oxy Permian and its working interest owners will invest

the annual taxes paid by the North Hobbs Unit. es. Furthermore, this project increases the value of and and its contractors will purchase local goods and servic-In addition to the creation of these jobs, Oxy Permian

another 20 years. economy, a bigger tax base, and the extension of North struction phases, more dollars flowing through the local Hobbs Unit oil production in Lea County for at least In short, this project means new jobs during the con-





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