



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

ADMINISTRATIVE ORDER NO PMX-218

***APPLICATION OF OCCIDENTAL PERMIAN LIMITED PARTNERSHIP TO
EXPAND ITS PRESSURE MAINTENANCE PROJECT IN THE NORTH HOBBS-
GRAYBURG SAN ANDRES POOL IN LEA COUNTY, NEW MEXICO***

**ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Division Order No R-6199, as amended, Occidental Permian Limited Partnership has made application to the Division on June 3, 2002, for permission to expand its North Hobbs Grayburg San Andres Unit Pressure Maintenance Project in the North Hobbs-Grayburg San Andres Pool in Lea County, New Mexico.

THE DIVISION DIRECTOR FINDS THAT:

- (1) The application has been filed in due form.
- (2) Satisfactory information has been provided that all offset operators have been duly notified of the application.
- (3) No objection has been received within the waiting period as prescribed by Rule 701(B).
- (4) The proposed injection well is eligible for conversion to injection under the terms of Rule 701.
- (5) The proposed expansion of the above referenced pressure maintenance project will not cause waste nor impair correlative rights.
- (6) The application should be approved.

IT IS THEREFORE ORDERED THAT:

The applicant, Occidental Permian Limited Partnership, is hereby authorized to inject water into the Grayburg and San Andres formations at approximately 4000 feet to approximately 4400 feet through 2 7/8-inch fiberglass lined tubing set in a packer located

within 100 feet of the top of the injection interval in the following described well for purposes of pressure maintenance:

North Hobbs Grayburg San Andres Unit No. 543
API No. 30-025-34997
SHL: 2630' FNL & 318' FEL, (Unit H)
BHL: 2536' FSL & 798' FEL, (Unit I)
Section 33, Township 18 South, Range 38 East, NMPM

IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the injected fluid enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

Prior to commencing injection operations, the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

The casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing or packer.

The injection well or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well to no more than:

1100 psig for water injection through 2 7/8 inch tubing

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator that such higher pressure will not result in migration of the injected fluid from the Grayburg and San Andres formations.

The operator shall immediately notify the supervisor of the Hobbs district office of the Division of the failure of the tubing, casing or packer in said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

The subject well shall be governed by all provisions of Division Order No. R-6199, as amended, and Rules 702-706 of the Division Rules and Regulations not inconsistent herewith.

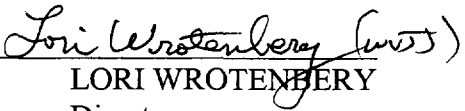
PROVIDED FURTHER THAT, jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or

protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh water or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the injection authority granted herein.

The injection authority granted herein shall terminate one year after the effective date of this order if the operator has not commenced injection operations into the well, provided however, the Division, upon written request by the operator, may grant an extension thereof for good cause shown.

DONE at Santa Fe, New Mexico, on this 12th day of June 2002.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


LORI WROTENBERY
Director

S E A L

LW/WVJ

cc: Oil Conservation Division - Hobbs

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☒ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☒ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Mark Stephens
 Print or Type Name

Mark Stephens
 Signature

Business Analyst (SG)
 Title

5/28/02
 Date

Mark_Stephens@oxy.com
 e-mail Address



Occidental Permian Limited Partnership

Houston Office
P.O. Box 4294
Houston, TX 77210-4294
(281) 552-1000

June 3, 2002

State of New Mexico
Energy, Minerals & Natural Resources Department
Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87504

RE: Expansion of Pressure Maintenance Project (R-6199-B, 10/22/01)
North Hobbs (Grayburg/San Andres) Unit
Hobbs; Grayburg – San Andres Pool
Well No. 543
Letter I, Section 33, T-18-S, R-38-E (BHL)
Lea County, NM

RECEIVED
JUN 11 2002
OIL CONSERVATION DIVISION

Gentlemen:

Occidental Permian Limited Partnership respectfully requests administrative approval for expansion of the subject pressure maintenance project by converting North Hobbs (G/SA) Unit Well No. 543 from production to water injection. As such, the following data is submitted in support of this request:

- Administrative Application Checklist
- Form C-108 with miscellaneous data attached
- Form C-102
- A map reflecting the location of the proposed injection well (No. 543). The map identifies all wells located within a two-mile radius of the proposed injector and has a one-half mile radius circle drawn around the proposed injection well which identifies the well's Area of Review
- An injection well data sheet
- A tabulation of data on all wells of public record within the well's Area of Review



Occidental Permian Limited Partnership

Houston Office
P.O. Box 4294
Houston, TX 77210-4294
(281) 552-1000

- Schematics of plugged wells of public record within the well's Area of Review
- A list of Offset Operators and Surface Owners (these parties have been notified of this application by certified mail)
- An Affidavit of Publication and copy of the legal advertisement that was published in the county in which the well is located

Your favorable consideration of our request will be appreciated. If you have any questions of a technical nature, please call David Nelson at (505) 397-8211. Otherwise, please call me at (281) 552-1158.

Very truly yours,

Mark Stephens

Mark Stephens
Business Analyst (SG)

CC: Oil Conservation Division
Hobbs District Office
1625 N. French Drive
Hobbs, NM 88240

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

Offset Operators (see attached list)

Surface Owners (see attached list)

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery ☒ Pressure Maintenance _____ Disposal _____ Storage _____
Application qualifies for administrative approval? ☒ Yes _____ No _____
- II. OPERATOR: Occidental Permian Limited Partnership
ADDRESS: P.O. Box 4294 Houston, TX 77210-4294
CONTACT PARTY: Mark Stephens, Rm. 338-B, WL2 PHONE: (281) 552-1158
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☒ Yes _____ No _____
If yes, give the Division order number authorizing the project: R-6199-B (10/22/01)
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and text data on the well. (If well logs have been filed with the Division they need not be submitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined 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: Mark Stephens TITLE: Business Analyst (SG)

SIGNATURE: Mark Stephens DATE: May 2, 2002

- * If the information required under Section VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstance of the earlier submittal. Hearing September 6, 2001; Case No. 12722, Order No. R-6199-B, effective October 22, 2001

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

Attachment To Form C-108
Miscellaneous Data

North Hobbs (Grayburg/San Andres) Unit
Well No. 543
Letter I, Section 33, T-18-S, R-38-E
Lea County, New Mexico

III. Well Data

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

VII. Proposed Operation

1. Average Injection Rate N/A
Maximum Injection Rate 9000 BWPD*
(* In accordance with Order No. R-6199-B, effective 10/22/01)
2. Closed Injection System
3. Average Surface Injection Pressure N/A
Maximum Surface Injection Pressure 1100 PSIG*
(* In accordance with Order No. R-6199-B, effective 10/22/01)
4. Source Water – San Andres Produced Water
(Mitchell Analytical Laboratory analysis attached)

IX. Stimulation Program

Acid treatment of unitized perforations will be performed during conversion work

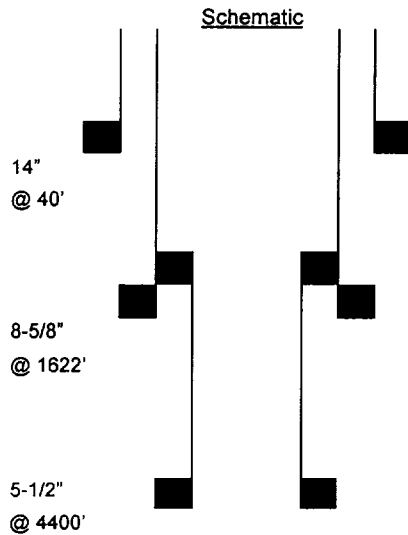
XI. Fresh Water Sample Analysis

No active fresh water sample points could be found in the area of review.

- XII. Occidental Permian Limited Partnership affirms that available geologic and engineering data has been examined resulting in the finding of no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 543	Footage Location 2536' FSL & 798' FEL	Section 33	Township 18-S	Range 38-E	Unit Letter I



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	14"	Cemented with	50 sxs.
TOC	Surface	Determined by	Circulated
Hole size			
<u>Intermediate Casing</u>			
Size	8-5/8"	Cemented with	725 sxs.
TOC	Surface	Determined by	Circulated
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	950 sxs.
TOC	Surface	Determined by	Circulated
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4400'		

Injection interval
4000 feet to TD feet

Completion type Perforated Casing

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

Other Data

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

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ **AMENDED REPORT**

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-34997		² Pool Code 31920	³ Pool Name Hobbs; Grayburg - San Andres
⁴ Property Code 19520	⁵ Property Name North Hobbs G/SA Unit		⁶ Well Number 543
⁷ OGRID No. 157984	⁸ Operator Name Occidental Permian Limited Partnership		⁹ Elevation 3630

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
H	33	18-S	38-E		2630	North	318	East	Lea

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
I	33	18-S	38-E		2536	South	798	East	Lea

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON--STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

			2630' ↑ SHL 318' →	17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> <i>Mark Stephens</i> Signature Mark Stephens Printed Name Business Analyst (SG) Title May 28, 2002 Date
			BHL 798' → 2535' ↑	18 SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> Date of Survey Signature and Seal of Professional Surveyor: Certificate Number

MITCHELL ANALYTICAL LABORATORY

2638 Faudree
Odessa, Texas 79765-8538
561-5579

Water Analysis

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

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

Dissolved Gasses

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

Cations

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

Anions

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

pH 6.500 Specific Gravity 60/60 F. 1.009

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

CaCO₃ Scale Index

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

Nalco/Exxon Energy Chemicals

F CMT TO PSI

1/NT 3000 4000-4400'

OXY PMX Application NHGSAU # 543																			
API	WELL NAME	Operator	NS	EW	UL1	38E	18S	TVD	Orig FORM (or NOTES)	STATUS	Latest Pool	2002POOL	GAS2002	OIL2002	WAT2002	L	W	PROP	
30-025-23759	CONOCO ST #001	saga	1980N	2130E	G	33			BLINEBRY / DRINKARD	ACTIVE	HOBBS,DRINKARD	31730	9062	403	232	S	O	20281	
30-025-07578	NHGSAU #221	oxy	1980N	1700W	F	34	4220			T/A		0	0	0	0	P	O	19520	
30-025-07548	NHGSAU #321	oxy	1980N	1980E	G	33	4244			ACTIVE	HOBBS,G-SA	31920	1331	3946	86730	S	O	19520	
30-025-27169	NHGSAU #322C	oxy	1385N	1820E	G	33	4510			ACTIVE	HOBBS,G-SA	31920	0	0	0	S	I	19520	
30-025-28951	NHGSAU #323	oxy	2525N	1453E	G	33	4370			ACTIVE	HOBBS,G-SA	31920	3323	8822	123477	S	O	19520	
30-025-07546	NHGSAU #331	oxy	1920S	1780E	J	33	4234		GSA	ACTIVE	HOBBS,G-SA	31920	1977	3751	129375	S	O	19520	
30-025-07556	NHGSAU #411	oxy	660N	660E	A	33	4256			ACTIVE	HOBBS,G-SA	31920	1525	2856	108420	P	O	19520	
30-025-29932	NHGSAU #412	oxy	1973N	530E	A	33	4436			ACTIVE	HOBBS,G-SA	31920	1836	3519	130233	P	O	19520	
30-025-07554	NHGSAU #421	oxy	1980N	660E	H	33	4235			ACTIVE	HOBBS,G-SA	31920	1405	3075	133711	P	O	19520	
30-025-28288	NHGSAU #422	oxy	2181N	498E	H	33	4476		SAN ANDRES	ACTIVE	HOBBS,G-SA	31920	0	0	0	P	I	19520	
30-025-07553	NHGSAU #431	oxy	1920S	860E	I	33	4227			ACTIVE	HOBBS,G-SA	31920	2123	5356	153310	P	O	19520	
30-025-28269	NHGSAU #432U	oxy	1842S	1029E	I	33	4445		GSA	ACTIVE	HOBBS,G-SA	31920	0	0	0	P	I	19520	
30-025-30308	NHGSAU #433	oxy	1847S	985E	I	33	4432			ACTIVE	HOBBS,G-SA	31920	2349	5338	219947	P	O	19520	
30-025-34373	NHGSAU #534	oxy	2415S	2200E	J	33	4402		SAN ANDRES/ CONVERTED TO WWW	ACTIVE	HOBBS,G-SA	31920	0	0	0	S	I	19520	
30-025-34997	NHGSAU #543	oxy	2630N	318E	H	33	4400		SACONVERTED TO WWW/ SI	SHUT IN	HOBBS,G-SA	31920	1822	2929	79064	P	I	19520	
30-025-34416	NHGSAU #545	oxy	1925N	2100E	G	33	4558		WIO INJ PERMIT	ACTIVE	HOBBS,G-SA	31920	926	5497	158118	S	O	19520	
30-025-35742	NHGSAU #843	oxy	1933S	294E	I	33	4448		GRAYBURG-SAN ANDRES	ACTIVE	HOBBS,G-SA	31920	2141	4109	91753	P	O	19520	
30-025-07575	SHGSAU #001	oxy	660N	660W	D	34	4306		SA	T/A		0	0	0	0	P	O	19552	
30-025-07571	SHGSAU #002	oxy	1980N	660W	E	34	4311		GSA	ACTIVE	HOBBS,G-SA	31920	0	3177	315928	P	O	19552	
30-025-07569	SHGSAU #003	oxy	1980S	560W	L	34	4240		HOBBS GBSA	ACTIVE	HOBBS,G-SA	31920	2985	3471	189035	P	O	19552	
30-025-07570	SHGSAU #004	oxy	2004S	1740W	K	34	4212			ACTIVE	HOBBS,G-SA	31920	2827	2231	141880	P	O	19552	
30-025-07565	SHGSAU #005	oxy	660S	660E	P	33	4241			ACTIVE	HOBBS,G-SA	31920	18682	3592	393302	P	O	19552	
30-025-28331	SHGSAU #127	oxy	1980S	860W	L	34	4433		GSA	ACTIVE	HOBBS,G-SA	31920	0	0	0	P	I	19552	
30-025-29444	SHGSAU #197	oxy	2030S	860W	L	34	4300			ACTIVE	HOBBS,G-SA	31920	941	2231	159253	P	O	19552	
30-025-29677	SHGSAU #210	oxy	721N	569W	D	34	4380			T/A		0	0	0	0	P	O	19552	
30-025-29893	SHGSAU #222	oxy	2019S	817W	L	34	4390			ACTIVE	HOBBS,G-SA	31920	1568	2890	258361	P	O	19552	
30-025-30486	SHGSAU #223	oxy	1257S	1791W	N	34	4307		GSA	T/A		0	0	0	0	P	O	19552	
30-025-31211	SHGSAU #225	oxy	647S	541W	M	34	4377			ACTIVE	HOBBS,G-SA	31920	4239	2478	153313	P	O	19552	
30-025-35342	SHGSAU #240	oxy	837S	1611W	N	34	4315		SA	ACTIVE	HOBBS,G-SA	31920	5811	1984	112834	P	O	19552	
30-025-35742	SHGSAU #244	oxy	2246N	597W	E	34	0		SA	NO COMPL		0	0	0	0	P	O	19552	
30-025-28308	SHGSAU COOP #005	oxy	1980S	646W	L	34	4490		HOBBS GSA	ACTIVE	HOBBS,G-SA	31920	0	0	0	F	I	19556	
30-025-28309	SHGSAU COOP #006	oxy	1950N	535W	E	34	4444		HOBBS GSA	ACTIVE	HOBBS,G-SA	31920	0	0	0	F	I	19556	
30-025-28968	SHGSAU COOP #009	oxy	717N	651W	D	34	4491		HOBBS GSA	ACTIVE	HOBBS,G-SA	31920	0	0	0	F	I	19556	
30-025-28969	SHGSAU COOP #010	oxy	2564S	1607W	K	34	4345		HOBBS GSA	ACTIVE	HOBBS,G-SA	31920	0	0	0	F	I	19556	
30-025-28970	SHGSAU COOP #011	oxy	2500S	1660W	K	34	4410		HOBBS GSA	ACTIVE	HOBBS,G-SA	31920	0	0	0	F	I	19556	
30-025-07561	St A 3 #027	oxy	610S	760E	P	33	3220		P&A 12-20-1997	ZONE ABAN		0	0	0	0	F	I	19556	
30-025-26368	SI HF COM #001	oxy	610S	610E	P	33	7050		DRINKARD	ACTIVE	HOBBS,DRINKARD	31730	16290	1282	201	S	O	19551	
30-025-26375	TURNER TR 2 #030	oxy	1990N	511W	E	34	7050			ACTIVE	HOBBS,DRINKARD	31730	6094	440	186	P	O	19555	
30-025-26583	TURNER TR 2 #031	oxy	2055S	598W	L	34	7112			ACTIVE	HOBBS,DRINKARD	31730	27922	1644	248	P	O	19555	
30-025-07558	W D GRIMES NCT B #006	CHEVRON	1980S	960E	I	33	3229		P&A 12-8-95	ZONE ABAN		0	0	0	0	P	O	2630	
30-025-24928	W D GRIMES NCT B #008	TEXLAND	2115N	600E	H	33	7100		DRINKARD	ACTIVE	HOBBS,DRINKARD	31730	6942	337	61	P	O	25698	
30-025-28299	W D GRIMES NCT B #009	TEXLAND	510N	660E	A	33	7110		BLINEBRY	ACTIVE	HOBBS,UP-BLINEBRY	31680	80	150	363	P	O	25698	

(Wells List)

NON-PLUGGED WELLS IN THE AREA OF REVIEW																	
** = Calculated at 50% efficiency.																	
For Well No. 543	Well Name Operator	API No.	Sec.	T	R	Un Ltr	Drill Date	Well Type	TD or PBTD	Top Perf	Bot. Perf	Sqz. Perfs	Csg. Size	Hole Size	Depth	No. of Sxs.	TOC
NHU No. 233 Oxy		30-025- 28410	33	-18S	-38E	K	12//83	P	4290 PBTD	4047	4246	NONE	16	20	40	NA	NA
													8.625	12.25	1582	750	CIRC
													5.5	7.875	4350	875	65
NHU No. 312 Oxy		30-025- 29199	33	-18S	-38E	B	6//85	P	4362 PBTD	3945	4270	NONE	13.375	17.5	40	NA	CIRC
													9.625	12.25	1510	650	CIRC
													7	8.75	4421	975	CIRC
NHU No. 321 Oxy		30-025- 07548	33	-18S	-38E	G	1//33	P	4244	4093	4234	7" Casing Depth ?	15.5	18	267	235	CIRC
													9.625	12.25	2756	400	1604**
													7	8.75	3970	350	1343**
													5.5	7.875	4244	300	1830
NHU No. 322 Oxy		30-025- 27169	33	-18S	-38E	G	1//81	I	4392 PBTD	4058	4230	NONE	16	20	40	40	CIRC
													8.625	12.25	1600	850	CIRC
													5.5	7.875	4510	915	CIRC
NHU No. 323 Oxy		30-025- 28951	33	-18S	-38E	G	7//85	P	4370 PBTD	4003	4182	NONE	13.375	17.5	40	NA	NA
													9.625	12.25	1157	650	CIRC
													7	8.75	4370	925	CIRC
NHU No. 331 Oxy		30-025- 07546	33	-18S	-38E	J	11//31	P	4234	4181	4209	524 1116-1176	15.5	18	232	425	CIRC
													9.625	12.25	2757	600	1009
													7	8.75	3930	325	1972
													5	6.25	3871-4232	50	3871
NHU No. 341 Oxy		30-025- 12757	33	-18S	-38E	O	12//31	P	4247	4058	4090	4196-4206 4210-4220	15.5	18	215	350	CIRC
													9.625	12.25	2755	600	1013
													7	8.75	3981	325	2016
													5	6.25	3923-4237	100	3923

201

130

130

20

NON-PLUGGED WELLS IN THE AREA OF REVIEW																	
** = Calculated at 50% efficiency.																	
For Well No. 543	Well Name Operator	API No.	Sec.	T	R	Un Ltr	Drill Date	Well Type	TD or PBTD	Top Perf	Bot. Perf	Sqz. Perfs	Csg. Size	Hole Size	Depth	No. of Sxs.	TOC
	NHU No. 342 Oxy	30-025- 28267	33 -18S	-38E	O		10//83	I	4331 PBTD	4068	4256	NONE	16 8.625 5.5	20 12.25 7.875	40 1565 4380	40 650 725	CIRC CIRC CIRC
	NHU No. 411 Oxy	30-025- 07556	33 -18S	-38E	A		11//34	P	4256	4095	4256	4020-4058	13.375 9.625 7 5.5	17 12.25 8.75 6.25	285 2739 3970 3919-4175	200 SQZD 150 40	CIRC** CIRC CIRC 3919**
	NHU No. 412 Oxy	30-025- 29932	33 -18S	-38E	H		7//87	P	4436	4171	4341	NONE	9.625 7	12.25 8.75	1542 4436	650 1250	CIRC CIRC
	NHU No. 421 Oxy	30-025- 07554	33 -18S	-38E	H		9//32	P	4235	4100	4163	2000	13.375 9.625 6.625 5.5	18 12.25 8.75 6.25	221 2761 3959 3911-4163	175 500 250 40	CIRC** 1310** 3050-TS 3911**
	NHU No. 422 Oxy	30-025- 28268	33 -18S	-38E	H		11//83	I	4476	4144	4313	NONE	16 8.625 5.5	20 12.25 7.875	30 1664 4476	40 650 750	CIRC CIRC CIRC
	NHU No. 431 Oxy	30-025- 07553	33 -18S	-38E	I		11//31	P	4227	4038	4169	NONE	13.375 9.625 7 5.5	17 12.25 8.75 6.25	241 2741 3940 3908-4190	200 600 225 40	CIRC 999 2579 3908
	NHU No. 432 Oxy	30-025- 28269	33 -18S	-38E	I		11//83	I	4390	4107	4297	NONE	16 8.625 5.5	20 12.25 7.875	40 1572 4438	NA 750 950	NA CIRC CIRC
	NHU No. 433 Oxy	30-025- 30308	33 -18S	-38E	I		5//88	P	4270 PBTD	4057	4084	NONE	9.625 7	12.25 8.75	1510 4430	650 1150	CIRC CIRC

NON-PLUGGED WELLS IN THE AREA OF REVIEW																		
** = Calculated at 50% efficiency.																		
For Well No. 543		Well Name Operator	API No.	Sec.	T	R	Un Ltr	Drill Date	Well Type	TD or PBTD	Top Perf	Bot. Perf	Sqz. Perfs	Csg. Size	Hole Size	Depth	No. of Sxs.	TOC
	✓	NHU No. 523 Oxy	30-025- 34372	33 -18S	-38E	F	7//98	P	4376 PBTD	4095	4268	NONE	14	18	18	40	50	CIRC**
													8.625	12.25	12.25	1560	800	CIRC**
													5.5	7.875	7.875	4406	1000	CIRC**
	✓	NHU No. 534 Oxy	30-025- 34373	33 -18S	-38E	J	7//98	P	4370 PBTD	4107	4244	4072-4106	14	18	12.25	40	50	CIRC**
													8.625	12.25	12.25	1564	800	CIRC**
													5.5	7.875	7.875	4402	740	CIRC**
	✓	NHU No. 535 Oxy	30-025- 35758	33 -18S	-38E	K	1//02	P	4600 PBTD	4318	4522	NONE	9.625	13.75	13.75	1500	825	CIRC
													7	8.75	8.75	4616	950	CIRC
	✓	NHU No. 543 Oxy	30-025- 34997	33 18-S	38-E	H	7//00	P	4335 PBTD	4096	4280	NONE	14	18	18	40	50	CIRC
													8.625	12.25	12.25	1622	725	CIRC
													5.5	7.875	7.875	4400	950	CIRC
	✓	NHU No. 545 Oxy	30-025- 34416	33 -18S	-38E	G	8//98	P	4511 PBTD	4275	4354	NONE	14	18	18	40	50	CIRC**
													8.625	12.25	12.25	1550	800	CIRC**
													5.5	7.875	7.875	4558	1000	CIRC**
	✓	NHU No. 631 Oxy	30-025- 34994	33 -18S	-38E	B	7//00	I	4438 PBTD	4218	4369	NONE	14	18	18	40	50	CIRC
													8.625	12.25	12.25	1545	725	CIRC
													5.5	7.875	7.875	4500	950	CIRC
	✓	NHU No. 734 Oxy	30-025- 35011	33 -18S	-38E	O	5//00	P	4339 PBTD	4095	4283	NONE	14	18	18	40	50	CIRC
													8.625	12.25	12.25	1543	700	CIRC
													5.5	7.875	7.875	4383	1000	CIRC

NON-PLUGGED WELLS IN THE AREA OF REVIEW																	
** = Calculated at 50% efficiency.																	
For Well No. 543	Well Name Operator	API No.	Sec.	T	R	Un Ltr	Drill Date	Well Type	TD or PBTD	Top Perf	Bot. Perf	Sqz. Perfs	Csg. Size	Hole Size	Depth	No. of Sxs.	TOC
KHU No. 221 Oxy		30-025- 07578	34	-18S	-38E	F	9//32	TA	4084 CIBP	4102	4217	3200	12.5	18	220	200	CIRC
													9	11.63	2780	400	CIRC
													7	8.5	3974	300	1823**
													5	6.25	4221	340	1400-CBL
SHU No. 1 Oxy		30-025- 07575	34	-18S	-38E	D	8//34	TA	4030 CIBP	4080	4220	3195	16	20	224	100	84**
													10.75	13.75	1647	350	741**
													7	8.75	3976	1450	CIRC
													5	6.25	3872-4221	50	CIRC
SHU No. 2 Oxy		30-025- 07571	34	-18S	-38E	E	8//32	P	4299 PBTD	4084	4218	4050-4064	16	20	232	100	64
													10.75	13.75	2776	400	1458
													8.625	12.25	3975	150	CIRC
													5.5	7.875	3919-4220	188	3000
SHU No. 3 Oxy		30-025- 07569	34	-18S	-38E	L	4//32	P	4230	4060	4220	NONE	16	20	216	125	CIRC**
													10.75	13.75	2748	400	2145**
													8.625	12.25	3962	1118	CIRC
													5.5	7.875	3927-4220	75	CIRC**
SHU No. 4 Oxy		30-025- 07570	34	-18S	-38E	K	12//32	P	4287	4120	4206	4045-4054	16	20	226	75	100**
												4066-4080	10.75	13.75	1637	75	1390**
												4090-4119	8.625	12.25	3990	1800	CIRC
													5.5	7.875	4211	800	740-TS
SHU No. 5 Oxy		30-025- 07565	33	-18S	-38E	P	12//31	P	4241	4050	4208	3183-3187	16	20	209	125	CIRC**
												3254-3258	10.75	16	2752	400	3165**
												3994-4025	8.625	12.25	3946	140	5247**
												4025-4038	5.5	7.875	4220	300	2900**

NON-PLUGGED WELLS IN THE AREA OF REVIEW																	
** = Calculated at 50% efficiency.																	
For Well No. 543	Well Name Operator	API No.	Sec.	T	R	Un Ltr	Drill Date	Well Type	TD or PBTD	Top Perf	Bot. Perf	Sqz. Perfs	Csg. Size	Hole Size	Depth	No. of Sxs.	TOC
	SHU No. 6 Oxy	30-025- 07572	34 -18S	-38E		M	1//31	P	4241 4207-4241 OH	4100	4207	4022-4026 4050-4056	16 10.75 8.625 5.5	20 13 9.625 7.875	196 2541 3985 4207	75 500 250 750	105** 413** CIRC CIRC
	SHU No. 127 Oxy	30-025- 28331	34 -18S	-38E		L	10//83	I	4430 PBTD	4180	4418	NONE	14 8.625 5.5	17.5 12.25 7.875	40 1600 4433	104 925 250	CIRC CIRC CIRC
	SHU No. 197 Oxy	30-025- 29444	34 -18S	-38E		L	11//85	P	4335 PBTD	4160	4315	4072-4078 4087-4110	16 10.75 7	20 13.75 8.75	40 1535 4378	NA 1300 300	CIRC CIRC CIRC
	SHU No. 210 Oxy	30-025- 29677	34 -18S	-38E		D	5//86	TA	4075 CIBP	4185	4360	4126-4180	16 10.75 7	20 13.75 8.75	40 1650 4380	26 911 1256	CIRC CIRC CIRC
	SHU No. 222 Oxy	30-025- 29893	34 -18S	-38E		F	7//87	P	4380 PBTD	4135	4344	4070-4092	16 10.75 7	20 13.75 8.75	39 1604 4400	35 1000 1400	CIRC CIRC CIRC
	SHU No. 223 Oxy	30-025- 30486	34 -18S	-38E		N	12//88	TA	4050 CIBP	4100	4288	4050-4090	10.75 7	14.75 9.875	1634 4302	1100 1300	CIRC CIRC
	SHU No. 225 Oxy	30-025- 31211	34 -18S	-38E		M	5//91	P	4370 PBTD	4118	4310	4056-4092	16 10.75 7	20 13.75 8.75	40 1615 4377	NA 1100 1450	CIRC CIRC CIRC
	SHU No. 240 Oxy	30-025- 35342	34 -18S	-38E		N/M	2//01	P	4261 PBTD	4142	4248	NONE	14 8.625 5.5	18 12.25 7.875	40 1565 4315	50 850 1200	CIRC** CIRC** CIRC

NON-PLUGGED WELLS IN THE AREA OF REVIEW																	
** = Calculated at 50% efficiency.																	
For Well No. 543	Well Name Operator	API No.	Sec.	T	R	Un Ltr	Drill Date	Well Type	TD or PBTD	Top Perf	Bot. Perf	Sqz. Perfs	Csg. Size	Hole Size	Depth	No. of Sxs.	TOC
	SHU No. 244 Oxy	30-025-35742	34 -18S	-38E	E		12//01	P	4392 PBTD	4167	4342	NONE	9.625 7	13.5 8.75	1560 4436	850 950	CIRC CIRC
	SHU Co-op No. 5 Oxy	30-025-28308	34 -18S	-38E	L		1//86	I	4457 PBTD	4173	4440	NONE	13.375 8.625 5.5	17.5 12.25 7.875	40 1628 4490	93 1000 1275	CIRC CIRC CIRC
	SHU Co-op No. 6 Oxy	30-025-28309	34 -18S	-38E	E/D		11//83	I	4409 PBTD	4215	4406	NONE	14 8.625 5.5	17.5 12.25 7.875	40 1640 4444	42 620 1700	CIRC CIRC CIRC
	SHU Co-op No. 9 Oxy	30-025-28968	34 -18S	-38E	D		12//84	I	4484 PBTD	4293	4441	NONE	14 8.625 5.5	17.5 12.25 7.875	40 1655 4491	52 840 1061	CIRC CIRC CIRC
	SHU Co-op No. 10 Oxy	30-025-28969	34 -18S	-38E	K		11//84	I	4340 PBTD	4162	4288	NONE	14 8.625 5.5	17.5 12.25 7.875	40 1650 4345	76 875 1100	CIRC** CIRC CIRC
	SHU Co-op No. 11 Oxy	30-025-28970	34 -18S	-38E	K		11//84	I	4410	4246	4400	NONE	14 8.625 5.5	17.5 12.25 7.875	40 1670 4410	116 875 1150	CIRC CIRC CIRC
	State HF No. 1 Oxy	30-025-26368	33 -18S	-38E	P		9//79	P	7013 PBTD	6701	6922	NONE	13.375 9.625 7	17.5 12.25 8.75	385 4260 7050	450 1237 500	CIRC CIRC 2860-TS
	Turner Tr. 2 No. 30 Oxy	30-025-26375	33 -18S	-38E	E		2//80	P	7012 PBTD	6665	6986	2060-2062	13.375 9.625 7	17.5 12.25 8.75	420 4401 7050	450 1250 400	CIRC CIRC 4045-TS

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NON-PLUGGED WELLS IN THE AREA OF REVIEW																	
** = Calculated at 50% efficiency.																	
For Well No. 543	Well Name Operator	API No.	Sec.	T	R	Un Ltr	Drill Date	Well Type	TD or PBD	Top Perf	Bot. Perf	Sqz. Perfs	Csg. Size	Hole Size	Depth	No. of Sxs.	TOC
Turner Tr. 2 No. 31 Oxy		30-025- 26583	34	-18S	-38E	L	1//80	P	7082 PBD	6658	6952	NONE	13.375	17.5	400	450	CIRC
													9.625	12.25	4900	1300	CIRC
													7	8.75	7100	630	2348
Conoco-State No. 1 Saga Petroleum LLC		30-025- 23759	33	-18S	-38E	G	8//71	P	7075	5871	6975	NONE	13.375	17.5	418	410	CIRC
													9.625	12.25	3799	350	1089
													7	8.75	7075	900	3658
WD Grimes NCT-B No. 9 Texland Pet. LLC		30-025- 28299	33	-18S	-38E	A	9//83	P	7110	6638	6952	NONE	13.75	17.5	415	500	CIRC
													8.625	12.25	4289	1740	CIRC
													5.5	7.875	7109	1220	CIRC
WD Grimes NCT-B No. 8 Texland Pet. LLC		30-025- 24928	33	-18S	-38E	H	2//75	P	6935 PBD	6654	6850	5728-5993	13.375	17.5	398	450	CIRC
													9.625	12.25	3960	1750	CIRC
													7	8.75	7100	470	2510
Truckers WTR WS-2 No. 10 Yale E. Key, Inc.		30-025- 07551	33	-18S	-38E	K	2//49	P	2935 PBD	2060	2410	NONE	9.625	12.25	345	200	CIRC
													5.5	7.875	3195	1000	CIRC

2000

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PLUGGED WELLS IN THE AREA OF REVIEW																	
** = Calculated at 50% efficiency.																	
For Well No. 543	Well Name Operator	API No.	Sec.	T	R	Un Ltr	Drill Date	Well Type	TD or PBD	Top Perf	Bot. Perf	Sqz. Perfs	Csg. Size	Hole Size	Depth	No. of Sxs.	TOC
BH Turner Tr. 1 #30X Pan American		30-025- 07577	34	-18S	-38E	E	9//49	PA	3271 CIBP	OPEN HOLE		NONE	9.625 5.5	12.25	300	250	CIRC
														7.875	3191	800	CIRC
BH Turner Tr. 2 #5 Pan American		30-025- 07574	34	-18S	-38E	L	7//48	PA	3150 CIBP	OPEN HOLE		NONE	9.625 5.5	12.5	450	250	CIRC**
														7.375	3178	1000	560-TS
STATE A-3 #27 Oxy		30-025- 07561	33	-18S	-38E	P	7//49	PA	2606 CIBP&CMT	3160-3220 OPEN HOLE			9.625 5.5	13.75	338	250	CIRC
														7.375	3160	700	CIRC
Grimes NCT-B #5 Gulf		30-025- 07557	33	-18S	-38E	B	5//48	PA	3055 CMT	3130	3226	NONE	9.625 5.5	13.38	300	250	CIRC
														7.875	3120	700	CIRC**
State A-33 #11 Conoco		30-025- 07552	33	-18S	-38E	G	5//49	PA	3194	3090	3161	NONE	10.75 5.5	15	402	375	CIRC**
														7.875	3190	1200	CIRC**
WD Grimes B #6 Gulf		30-025- 07558	33	-18S	-38E	I	4//49	PA	2956 CIBP	3150	3229	350	9.625 5.5	12.25	289	225	CIRC
														7.875	3140	775	550-TS

**B.H. Turner Tract 1 #30X
Stanolind Oil and Gas Co.
Unit E, 1980' FNL & 560' FWL
Sec. 34, T-18S, R-38E**

WELL PLUGGED:
5/30/1953

Size: 9.625"
Depth: 300'
Hole size: 12.25"
Cmt: 250 sxs
TOC: Circ

Spotted 25 sxs cmt from 160'
to surface.

Well bore filled with heavy
drilling mud.

Size: 5.5"
Depth: 3191
Hole size: 7.875"
Cmt: 800 sxs
TOC: Circ

TD:3271

Spotted 25 sxs cmt from
3192' to 2982'.



B.H. Turner Tract 2 #5
Amoco Production Co.
Unit L, 2060' FSL & 510' FWL
Sec 34, T-18S, R-38E

WELL PLUGGED:
1/31/1979

Size: 9.625"
Depth: 450'
Hole size: 12.5"
Cmt: 250 sxs
TOC: Circ - Calc.
50% efficiency

Spot 10 sxs surface plug.

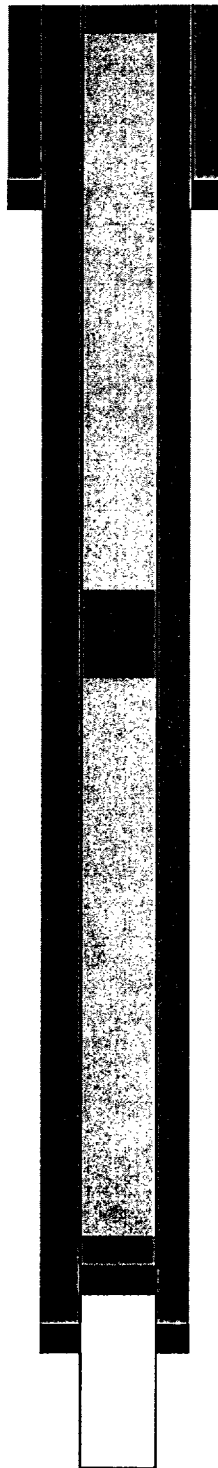
Filled hole with mud laden
fluid.

Spot 200' class H cmt plug
from 1700' to 1500'.

Size: 5.5"
Depth: 3178'
Hole size: 7.375"
Cmt: 1000 sxs
TOC: 560'-TS

TD: 3246'

Capped CIBP w/5 sxs cmt.
Set CIBP at 3150'.



State A-3 #27
Occidental Permian, LTD
Unit P, 760' FSL & 610' FEL
Sec 33, T-18S, R-38E

WELL PLUGGED:
12/20/1997

Size: 9.625"
Depth: 338'
Hole size: 13.75"
Cmt: 250 sxs.
TOC: Circ.

Circ well with M.L.F.

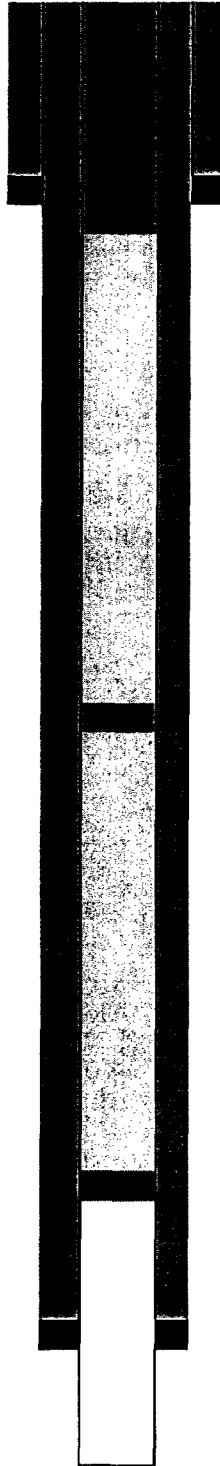
Spot 40 sxs cmt from 388'
to surface.

Size: 5.5"
Depth: 3160'
Hole size: 7.375"
Cmt: 700 sxs.
TOC: Circ.

Spot 25 sxs cmt at 1850'.

CIBP @ 3100'

TD:3220'



W. D. Grimes NCT-B #5
Gulf
Unit B,
Sec 33, T-18S, R-38E

WELL PLUGGED:
4/18/60

Size: 9.625"
Depth: 300'
Hole size: 13.375"
Cmt: 250 sxs
TOC: Circ.

Spotted 10 sx cement plug
From 80' to surface.



Loaded hole with heavy mud.

Size: 5.5"
Depth: 3120'
Hole size: 7.875"
Cmt: 700 sxs
TOC: Circ.- Calc.
50% efficiency

PBTD: 3055'-Cmt.

Spotted 35 sx cement plug
At 3226' to 2946'.

State A-33 #11
Conoco
Unit G, 2310 FNL & 2310 FEL
Sec 33, T-18S, R-38E

WELL PLUGGED:
3/18/87

Size: 10.75"
Depth: 402'
Hole size: 15"
Cmt: 375 sxs
TOC: Circ.- Calc.
50% efficiency

Circ. 20 sxs cmt from 100' to surface.

Spot 20 sxs cmt from 470' to 290'.

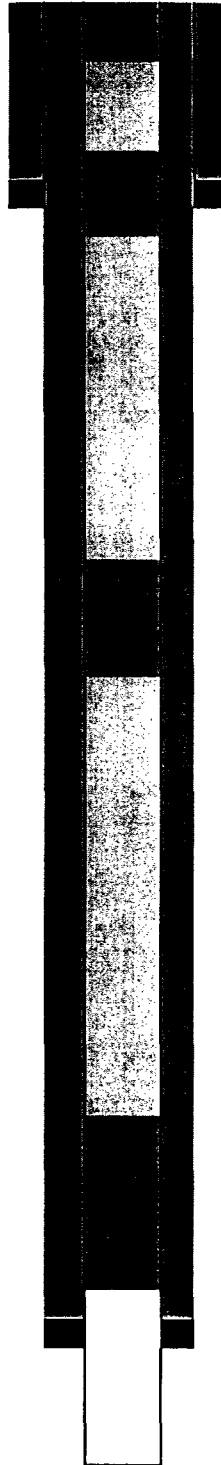
Circulate wellbore with 80 lbs of mud.

Size: 5.5"
Depth: 3190'
Hole size: 7.875"
Cmt: 1200 sxs
TOC: Circ.- Calc.
50% efficiency

Spot 20 sxs cmt from 1620' to 1370'.

Spot 35 sxs cmt from 2850' to 2600'.

PBTD: 3194'



**W. D. Grimes B #6
Chevron
Unit I, 1980 FSL & 960 FEL
Sec 33, T-18S, R-38E**

**WELL PLUGGED:
12/8/95**

**Size: 9.625"
Depth: 289'
Hole size: 12.25"
Cmt: 225 sxs
TOC: Circ.**

**Perfed and circulated 100 sxs
to surface from 350'.
Filled 5.5 csg with 136 sxs to
surface.**

**Size: 5.5"
Depth: 3140'
Hole size: 7.875"
Cmt: 775 sxs
TOC: 550' – TS**

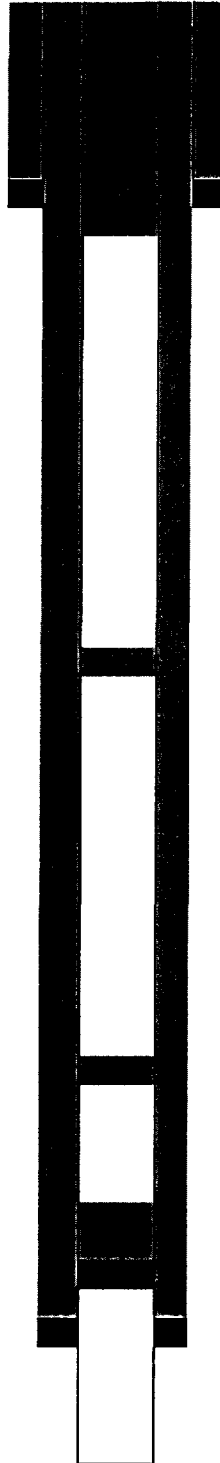
**Spotted 25 sxs from 1670' to
1430'.**

**Spotted 25 sxs from 2715' to
2475'.**

TD: 3229'

**Dumped 15 sxs on top of CIBP
to 2956'.**

Installed CIBP at 3100'



LIST OF OFFSET OPERATORS & SURFACE OWNERS

North Hobbs (Grayburg/San Andres) Unit
Well No. 543
Letter I, Section 33, T-18-S, R-38-E
Lea County, New Mexico

Offset Operators

Occidental Permian Limited Partnership
P.O. Box 4294
Houston, TX 77210-4294

Texland Petroleum-Hobbs, LLC
777 Main, Suite 3200
Ft. Worth, TX 76102

Saga Petroleum LLC
415 W. Wall, Suite 835
Midland, TX 79701

Yale E. Key, Inc.
dba Key Energy Services, Permian Basin Division
P.O. Box 2040
Hobbs, NM 88241

Surface Owner

Occidental Permian Limited Partnership
P.O. Box 4294
Houston, TX 77210-4294

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Texland Petroleum-Hobbs, LLC
777 Main, Suite 3200
Ft. Worth, TX 76102

2. Article Number

(Transfer from service label)

7001 0320 0002 0354 8902

PS Form 3811, March 2001

Domestic Return Receipt

102595-01-M-1424

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly)

B. Date of Delivery

C. Signature

X☐ Agent☐ Addressee

D. Is delivery address different from item 1?

☐ Yes

If YES, enter delivery address below:

☐ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☒ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Saga Petroleum, LLC
415 W. Wall, Suite 835
Midland, TX 79701

2. Article Number

(Transfer from service label)

7001 0320 0002 0354 8919

PS Form 3811, March 2001

Domestic Return Receipt

102595-01-M-1424

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly)

B. Date of Delivery

C. Signature

X☐ Agent☐ Addressee

D. Is delivery address different from item 1?

☐ Yes

If YES, enter delivery address below:

☐ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☒ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Yale E. Key, Inc.
dba Key Energy Services,
Permian Basin Division
P.O. Box 2040
Hobbs, NM 88241

2. Article Number

(Transfer from service label)

7001 0320 0002 0354 8926

PS Form 3811, March 2001

Domestic Return Receipt

102595-01-M-1424

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly)

B. Date of Delivery

C. Signature

X☐ Agent☐ Addressee

D. Is delivery address different from item 1?

☐ Yes

If YES, enter delivery address below:

☐ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☒ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

Publisher

of the Hobbs News-Sun, a
newspaper published at
Hobbs, New Mexico, do solemnly
swear that the clipping attached
hereto was published once a
week in the regular and entire
issue of said paper, and not a
supplement thereof for a period.

of 1

 weeks.

Beginning with the issue dated

May 29 2002

and ending with the issue dated

May 29 2002



Publisher

Sworn and subscribed to before

me this 29th day of

May 2002



Notary Public.

My Commission expires
October 18, 2004
(Seal)

This newspaper is duly qualified
to publish legal notices or adver-
tisements within the meaning of
Section 3, Chapter 167, Laws of
1937, and payment of fees for
said publication has been made.

LEGAL NOTICE

May 29, 2002

Notice is hereby given of the application of Occidental Per-
mian Limited Partnership, Attn: Mark Stephens, P.O. Box
4294, Rm. 338-B, Houston, TX 77210-4294 (281/552-
1158), to the Oil Conservation Division, New Mexico Ener-
gy, Minerals and Natural Resources Department, for ap-
proval of the following injection well for the purpose of sec-
ondary recovery:

Pool Name: Hobbs; Grayburg-San Andres

Lease/Unit Name: North Hobbs G/SA Unit

Well No. 543

SHL: 2630' FNL & 318' FEL, Unit Letter H, Sec. 33, T-18-
S, R-38-E, Lea Co., NM

BHL: 2536' FSL & 798' FEL, Unit Letter I, Sec. 33, T-18-S,
R-38-E, Lea Co., NM

The injection formation is the Hobbs; Grayburg-San An-
dres Pool between the intervals of +/-3700' and +/-5300'
below the surface of the ground. Expected maximum in-
jection rate is 9000 BWPD and the expected maximum in-
jection pressure is approximately 1100 psi. Interested par-
ties must file objections or requests for hearing with Oil
Conservation Division, 1220 S. St. Francis Dr., Santa Fe,
NM 87504 within (15) days.
#19004

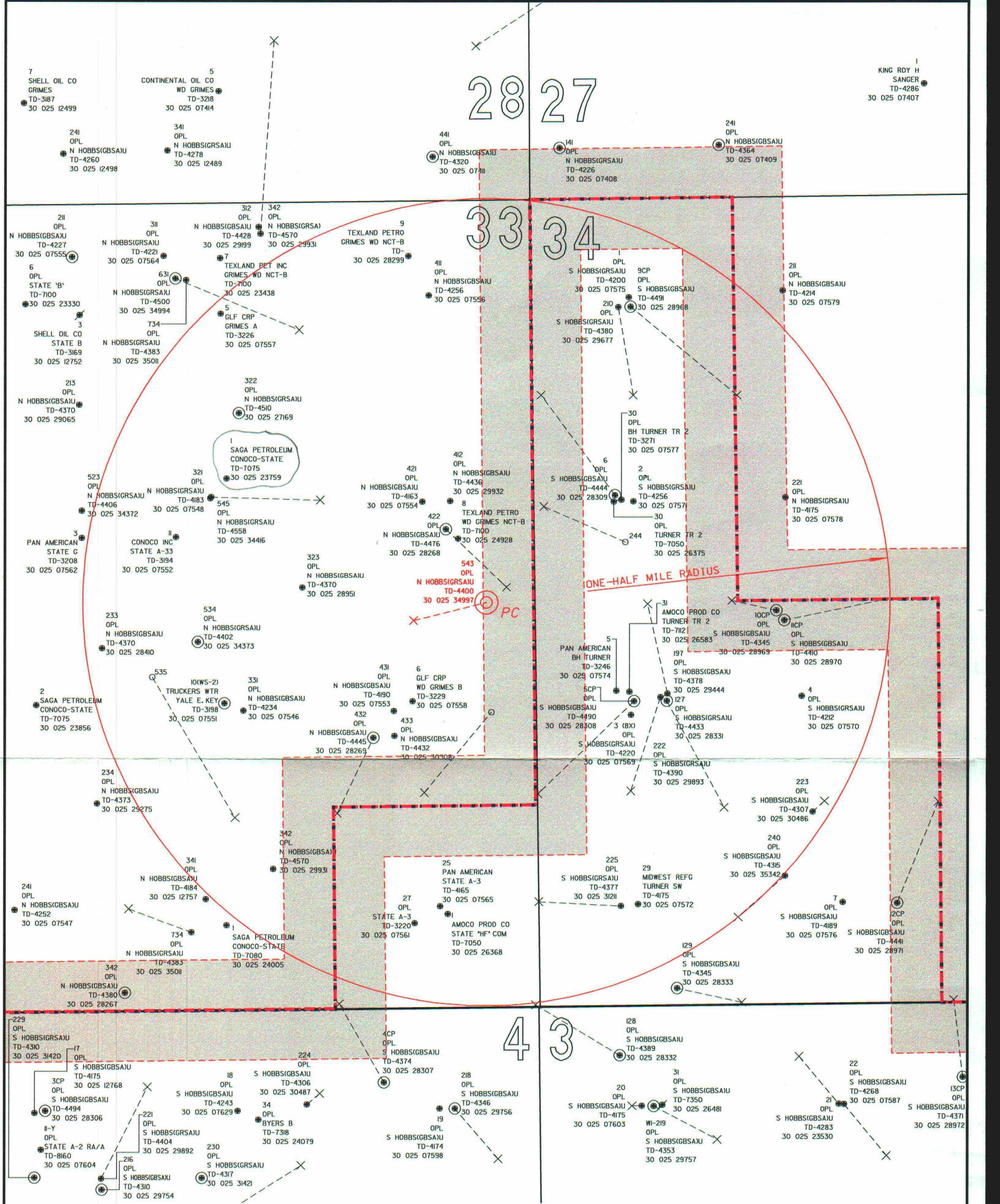
02101173000

67507086

Occidental Permian Limited

P. O. Box 4294

Houston, TX 77210-4294



NOTE:
WELL DATA DERIVED FROM THE PETROLEUM
INFORMATION - DATA MANAGEMENT SYSTEM,
WELL DATA SYSTEM PREPARED FOR
OCCIDENTAL PERMIAN LTD.



Area of Review Plat

NORTH HOBBS (GRAYBURG SAN ANDRES) UNIT

WELL NO. 33-543

T-18-S, R-38-E
Lea County, New Mexico

Scale: 1" = 600' 04-15-2002 nm438_2002.dgn
Plat prepared by PJE Drafting, Inc.
For Horizon Survey, Inc.

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE