



PMX 10/3/00
207 26436279

580 WestLake Park Blvd.
Houston, TX 77079
PO Box 4294
Houston, TX 77210-4294
Phone: 281-552-1000

September 14, 2000

State of New Mexico
Energy, Minerals & Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, NM 87505

SEP 18 2000

RE: Expansion of Pressure Maintenance Project
North Hobbs (Grayburg/San Andres) Unit
Hobbs; Grayburg – San Andres Pool
Well No. 231
Letter K, Section 29, T-18-S, R-38-E
Lea County, NM

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. 231 from production to water injection. Administrative Order No. R-6199 granted November 30, 1979, authorized Shell Western E&P Inc. (Occidental Permian Limited Partnership's predecessor) to conduct the North Hobbs (G/SA) Unit pressure maintenance project within the Hobbs; Grayburg – San Andres Pool.

The following data is submitted in support of this request:

- Form C-108 with miscellaneous data attached
- Form C-102
- A map reflecting the location of the proposed injection well (No. 231). 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 Ltd.

580 WestLake Park Blvd.
Houston, TX 77079
PO Box 4294
Houston, TX 77210-4294
Phone: 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 X Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? X 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? 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:
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 geologic data on the injection zone including appropriate lithologic detail, geologic 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 test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- ✓*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 sources 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: 9/14/00
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: Hearing October 3, 1979; Case No. 6653, Order No. R-6199

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

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 the 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, 2040 South Pacheco, Santa Fe, New Mexico 87505, within 15 days.

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

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

Attachment To Form C-108
Miscellaneous Data

North Hobbs (Grayburg/San Andres) Unit
Well No. 231
Letter K, Section 29, T-18-S, R-38-E
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 1500 BWPD
Maximum Injection Rate 4000 BWPD
2. Closed Injection System
3. Average Injection Pressure 500 PSIG
Maximum Injection Pressure 805 PSIG (approx.)
(will not exceed 0.2 psi/ft. to top perforation)
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

(Laboratory Services, Inc. analysis attached – 2 ea.)

- 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.

MITCHELL ANALYTICAL LABORATORY

2638 Faudree
Odessa, Texas 79765-8538
561-5579

Water Analysis

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

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

Dissolved Gasses

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

Cations

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

Anions

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

pH 6.500 Specific Gravity 60/60 F. 1.009

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

CaCO₃ Scale Index

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

Nalco/Exxon Energy Chemicals



Laboratory Services, Inc.

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

Water Analysis

COMPANY Altura Energy Ltd,

SAMPLE Fresh Water Well For Wells 33111 & 28131 + 29231

SAMPLED BY

DATE TAKEN 5/9/00

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

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

Results reported as Parts per Million unless stated

Langelier Saturation Index 0.05

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

**Laboratory Services, Inc.**

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

Water Analysis

COMPANY Altura Energy Ltd,

SAMPLE Fresh Water Well for Wells 29321, 29231, 32312
SAMPLED BY _____

DATE TAKEN 8/8/00

REMARKS T18S-R38E-Sec29; Qtr Sec 4,1,2

Barium as Ba	0	
Carbonate alkalinity PPM	68	
Bicarbonate alkalinity PPM	260	
pH at Lab	7.21	
Specific Gravity @ 60°F	1	
Magnesium as Mg	32	
Total Hardness as CaCO ₃	56	
Chlorides as Cl	325	
Sulfate as SO ₄	130	
Iron as Fe	0	
Potassium	0.1	
Hydrogen Sulfide	0	
Rw	12	@ 23° C
Total Dissolved Solids	841	
Calcium as Ca	24	
Nitrate	2.2	

Results reported as Parts per Million unless stated

Langelier Saturation Index -54

Analysis by: Vickie Walker
Date: 8/11/00

DISTRICT I
P.O. Box 1880, Hobbs, NM 88241-1880

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0718

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-07438	Pool Code 31920	Pool Name HOBBS; GRAYBURG - SAN ANDRES
Property Code 19520	Property Name NORTH HOBBS G/SA UNIT	Well Number 231
OGRID No. 157984	Operator Name Occidental Permian Limited Partnership	Elevation 3650

Surface Location

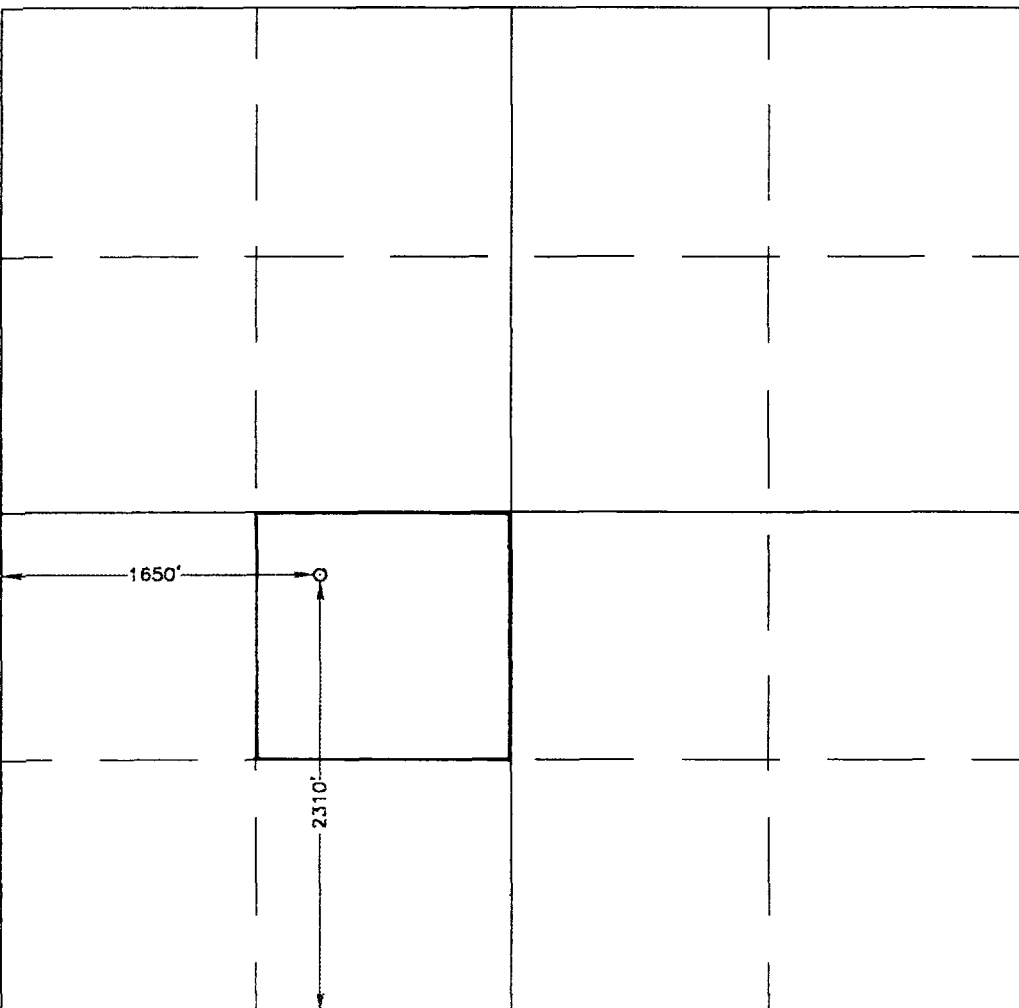
UL or lot No. K	Section 29	Township 18 S	Range 38 E	Lot Idn	Feet from the 2310	North/South line SOUTH	Feet from the 1650	East/West line WEST	County LEA
--------------------	---------------	------------------	---------------	---------	-----------------------	---------------------------	-----------------------	------------------------	---------------

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
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
-----------------	-----------------	--------------------	-----------

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

				OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <u>Mark Stephens</u> Signature Mark Stephens Printed Name Business Analyst (SG) Title September 12, 2000 Date	
				SURVEYOR CERTIFICATION 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. JANUARY 6, 2000 Date Surveyed Signature & Seal of Professional Surveyor <u>Gary E. Edson</u> 00-13-0019 Certificate No. RONALD J. EDSON 3239 GARY EDSON 12641 MACON McDONALD 12185	

DISTRICT I
P.O. Box 1888, Hobbs, NM 88241-1888

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Bravos Rd., Aztec, NM 87410

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-07438	Pool Code 31920	Pool Name HOBBS; GRAYBURG - SAN ANDRES
Property Code 19520	Property Name NORTH HOBBS G/SA UNIT	Well Number 231
OGRID No. 157984	Operator Name Occidental Permian Limited Partnership	Elevation 3650

Surface Location

UL or lot No. K	Section 29	Township 18 S	Range 38 E	Lot Idn	Feet from the 2310	North/South line SOUTH	Feet from the 1650	East/West line WEST	County LEA
--------------------	---------------	------------------	---------------	---------	-----------------------	---------------------------	-----------------------	------------------------	---------------

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
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						

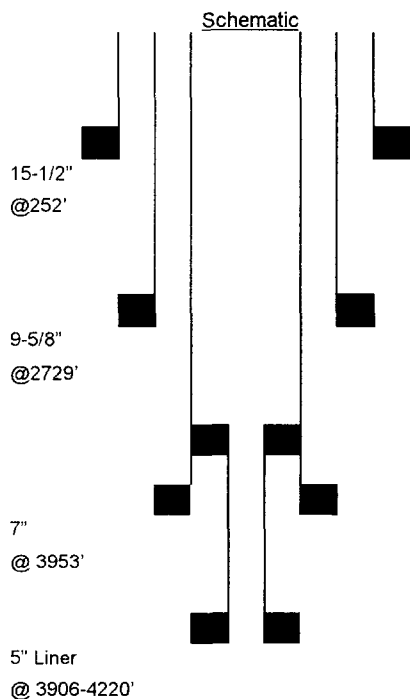
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

				OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <u>Mark Stephens</u> Signature Mark Stephens Printed Name Business Analyst (SG) Title September 12, 2000 Date	
				SURVEYOR CERTIFICATION 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. JANUARY 6, 2000 Date Surveyed Signature & Seal of Professional Surveyor <u>Barry G. Edson</u> 08-13-0019 Certificate No. RONALD J. EDSON 3239 TERRY EDSON 12641 MACON McDONALD 12185	

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

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 29-231	Footage Location 1650' FWL & 2310' FSL	Section 29	Township 18-S	Range 38-E	Unit Letter K



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>15-1/2"</u>	Cemented with	<u>1000</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CALC-50% EFFIC</u>
Hole size			
<u>Intermediate Casing</u>			
Size	<u>9-5/8"</u>	Cemented with	<u>600</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Long string Casing</u>			
Size	<u>7"</u>	Cemented with	<u>300</u> sxs.
TOC	<u>2718'</u>	Determined by	<u>NA</u>
Hole size			
<u>Liner</u>			
Size	<u>5"</u>	Cemented with	<u>50</u> sxs.
TOC	<u>3906'</u>	Determined by	<u>NA</u>
Hole size			
Total depth	<u>4255'</u>		

Injection interval
4100 feet to 4300 feet

Completion type Perforated Casing

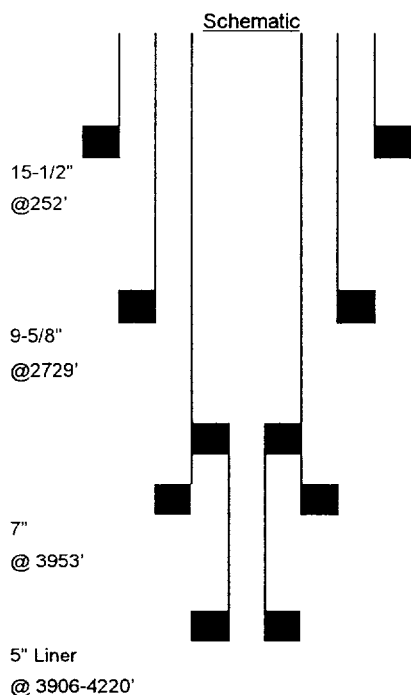
Tubing size 2-7/8" lined with Duoline (Fiberglass liner) set in a
Guiberson – Uni VI packer at 4000' feet
(brand and model)

Other Data

- Name of the injection formation San Andres
- Name of field or Pool Hobbs
- 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) San Andres:4142-4210,4220-4255-OH
- Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Grayburg – 3270, Glorieta - 5300

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 29-231	Footage Location 1650' FWL & 2310' FSL	Section 29	Township 18-S	Range 38-E	Unit Letter K



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>15-1/2"</u>	Cemented with	<u>1000</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CALC-50% EFFIC</u>
Hole size			
<u>Intermediate Casing</u>			
Size	<u>9-5/8"</u>	Cemented with	<u>600</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size			
<u>Long string Casing</u>			
Size	<u>7"</u>	Cemented with	<u>300</u> sxs.
TOC	<u>2718'</u>	Determined by	<u>NA</u>
Hole size			
<u>Liner</u>			
Size	<u>5"</u>	Cemented with	<u>50</u> sxs.
TOC	<u>3906'</u>	Determined by	<u>NA</u>
Hole size			
Total depth	<u>4255'</u>		

Injection interval
4100 feet to 4300 feet

Completion type Perforated Casing

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

Guiberson – Uni VI packer at 4000' feet
(brand and model)

Other Data

1. Name of the injection formation San Andres

2. Name of field or Pool Hobbs

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

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) San Andres:4142-4210,4220-4255-OH

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

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

FOR WELLS 28332,29231,29321,30223,32312,32431																
Well Name	API No.	Sec.	T	R	Un	Drill	Well	TD or	Top	Bot.	Sqz.	Csg.	Hole	Depth	No. of	
Operator					Ltr	Date	Type	PBTD	Perf	Perf	Perfs	Size	Size		Sxs.	TOC
19241	30-025- 07364	19 -18S	-38E	N	9/30	SI		4244	4144	4232	NONE	9.625	12.5	18	200	CIRC
Oxy								PBTD				7	8.75	2750	600	CIRC
												5.5	7.875	3936-4246	100	3936
19242	30-025- 23481	19 -18S	-38E	N	5/70	P		4186	4276	4179	4020-4058	13.375	17.5	360	360	CIRC**
Oxy											4192-4196	9.625	12.25	3794	500	CIRC**
												5.5	8.75	3537-7103	950	CIRC**
19341	30-025- 12491	19 -18S	-38E	O	9/30	TA		4005	4140	4272	NONE	9.625	12.25	2750	600	330**
Oxy								CIBP				7	8.75	3975	225	3299 CBL
												5.5 Lnr	6.125	3937-4245	100	3937
27121	30-025- 12494	27 -18S	-38E	E	6/36	P		4244	4108	4250	1730	12.5	17.5	270	150	CIRC
Oxy								PBTD			2475	9.625	12.25	1705	575	CIRC
												7	8.75	4108	275	CIRC**
27131	30-025- 07410	27 -18S	-38E	L	6/35	P		4252	4034	4252	NONE	12.5	16.5	259	150	CIRC**
Oxy												9.625	12.25	1645	200	1202**
												7	8.75	4075	250	2818**
27221	30-025- 30910	27 -18S	-38E	E/L	12/91	I		4509	4430	4495	NONE	14	17.5	53	NA	NA
Oxy								PBTD				8.625	12.25	1658	850	CIRC
												5.5	8.875	4546	1035	CIRC
27231	30-025- 12495	27 -18S	-38E	K	7/37	P		4375	4086	4375	NONE	13	17.5	274	150	CIRC
Oxy									OPEN HOLE			9.625	12.25	1718	450	CIRC
												7	8.75	4086	250	3225-CBL
28111	30-025- 07422	28 -18S	-38E	D	7/34	I		4288	4214	4273	4041-4053	15.5	18	296	200	CIRC
Oxy											4073-4097	10	12.75	2704	150	2304
											4106-4120	7	8.75	3956	250	2244
											4147-4160	4.5	6.25	3913-4234	50	CIRC**
											4172-4182					

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

Well Name	API No.	Sec.	T	R	Un	Drill Date	Well Type	TD or PBT	Top Perf	Bot. Perf	Sqz. Perfs	Csg. Size	Hole Size	Depth	No. of Sxs.	TOC
Operator																
28121	30-025- 07420	28	-18S	-38E	E	9/30	P	4247	4139	4233	NONE	12.5	16	228	245	CIRC**
Oxy								PBTD				9.625	11.75	2750	700	CIRC**
												7	8.75	3942	300	3065-CBL
												4.5	6.25	3893-4250	65	3893-CBL
28122																
Oxy	30-025- 28964	28	-18S	-38E	E	12/84	P	4326	4034	4264	NONE	13.375	17.5	40	NA	NA
								Cmt				8.625	12.25	1525	675	CIRC
												5.5	7.875	4384	740	300-CBL
28131	30-025- 12497	28	-18S	-38E	L	9/30	P	4263	4048	4263	3190-3202	12.5	16	238	200	CIRC
Oxy											4124-4151	9.625	12	2751	600	CIRC
												7	8.75	3973	225	3086-CBL
												5.5	7.875	3932-4233	100	3932-CBL
28132	30-025- 23277	28	-18S	-38E	L	11/69	P	4257	4019	4255	4144-4146	13.375	17.5	352	200	CIRC
Oxy								PBTD			4158-4172	9.625	12	3816	1400	1922
												7	8.75	3611-7143	335	3611
28141	30-025- 12496	28	-18S	-38E	M	9/30	P	4228	4066	4220	4033	12.5	16	236	225	CIRC
Oxy								CIBP			4035	9.625	12	2750	475	CIRC
											4038	7	8.75	3960	350	2450
											4040	5	6.5	4228	65	2990
28142	30-025- 23246	28	-18S	-38E	M	10/69	P	4030	3890	3968	NONE	13.375	17.5	372	350	CIRC
Oxy								PBTD				9.625	12.25	3787	1400	CIRC**
												7	8.75	3589-7102	720	CIRC
28211	30-025- 07425	28	-18S	-38E	C	9/35	I	4171	4036	4262	NONE	15.5	18	243	300	CIRC
Oxy												10.75	15	2733	200	2400**
												7	8.75	4036	680	2715-TS
28311	30-025- 07417	28	-18S	-38E	B	7/35	I	4264	4090	4264	NONE	12.5	16	235	150	CIRC**
Oxy												7	8.75	4103	500	2820-CBL
28321	30-025- 07416	28	-18S	-38E	G	2/35	P	4234	4000	4260	NONE	12.5	16	264	150	CIRC

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

Well Name	API No.	Sec.	T	R	Un	Drill	Well	TD or	Top	Bot.	Sqz.	Csg.	Hole	Depth	No. of	TOC
Operator					Ltr	Date	Type	PBTD	Perf	Perf	Perfs	Size	Size		Sxs.	
Oxy								PBTD				7	8.75	4000	500	976**
28331	30-025-07412	28 -18S	-38E	J	5/35	P	4280	4015	4268	4081-4093	10.75	13.5	245	150	CIRC	
Oxy											7.625	9.625	1635	300	186	
											5.5	6.25	4015	300	2662-CBL	
											4.5	6.5	3987-4280	100	3987	
28411	30-025-07419	28 -18S	-38E	A	4/36	P	4223	4133	4225	15	12.5	16	227	160	CIRC**	
Oxy							PBTD			17	7	8.75	4133	750	2550-CBL	
										475						
28421	30-025-07418	28 -18S	-38E	H	5/35	TA	4262	4020	4262	NONE	12.5	16	235	150	CIRC	
Oxy											7	8.75	4020	200	2677-CBL	
28422	30-025-27243	28 -18S	-38E	H	5/48	I	4470	4239	4268	4222-4228	16	20	40	40	CIRC	
Oxy										4242-4244	8.625	12.25	1600	850	CIRC	
										4252-4256	5.5	7.875	4503	1050	CIRC	
										4269-4271						
28431	30-025-07413	28 -18S	-38E	I	8/35	P	4225	3993	4218	2660	10.75	13.5	225	150	CIRC**	
Oxy											7.625	9.625	1640	400	CIRC**	
											5.5	7.875	3993	400	2698-CBL	
28441	30-025-07411	28 -18S	-38E	P	1/35	I	4272	4102	4257	NONE	10.75	13.5	243	150	CIRC	
Oxy							PBTD				7.625	9.625	1634	300	185	
											5.5	6.25	4015	300	CIRC	
29111	30-025-23919	29 -18S	-38E	D	12/71	P	4287	4183	4287	3905-4250	8.625	11	310	150	CIRC	
Oxy							PBTD				5.5	7.875	3905	300	2427**	
29121	30-025-07449	29 -18S	-38E	E	3/47	P	4275	3924	4275	4070-85	9.625	12.25	2739	650	890	
Oxy										4110-20	7	8.75	3104	100	2640 CBL	
										4130-50	4.5 Lnr	6.25	2900-4201	100	2900	
29122	30-025-28953	29 -18S	-38E	E	2/85	I	4215	4154	4211	NONE	13.375	17.5	40	NA	CIRC	
Oxy							(CIBP)				8.625	11	1510	785	CIRC	
											5.5	7.875	4370	435	CIRC	

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

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
29131 Oxy	30-025- 07447	29 -18S	-38E	L	10/30	P	4168 PBTD	4050	4210	NONE	12.5 9.625 7 5	12.5 9.625 7 5	18 12 8.75 6.125	225 2750 3976 3870-4220	250 650 300 50	CIRC 660** 1504-CBL 3930-CBL
29132 Oxy	30-025- 26917	29 -18S	-38E	L	12/80	I	4470 PBTD	4025	4245	NONE	16 8.625 5.5	16 8.625 5.5	20 12.25 7.875	40 1595 4510	40 785 900	CIRC CIRC CIRC**
29141 Oxy	30-025- 07448	29 -18S	-38E	M	8/30	I	4238 PBTD	3690	4228	3960-4108 4033-4053	12.5 9.625 7 5.5 4.5	12.5 9.625 7 5.5 4.5	18 12 8.75 7.875 6.25	203 2736 3960 3941 3417-4238	200 650 300 250 50	CIRC 1000** 1850** 3460-CBL 3774-CBL
29211 Oxy	30-025- 07433	29 -18S	-38E	C	11/30	TA	4003 CIBP	4217	4270	4053-4150 4180-4200 4211-4215	12.5 9.625 7 5.5	12.5 9.625 7 5.5	18 12 8.75 6.25	243 2796 4007 3957-4238	250 400 500 50	CIRC CIRC 3014** 3957
29221 Oxy	30-025- 07430	29 -18S	-38E	F	9/30	P	4210 PBTD	4118	4176	4154-4162 4175-4185 4195-4200 4213-4267	12.5 9.625 7 4.5	12.5 9.625 7 4.5	18 12 8.75 6.125	210 2704 3979 3910-4213	200 400 500 50	CIRC 1236 2753 3910
29222 Oxy	30-025- 26934	29 -18S	-38E	F	4/81	I	4465	4175	4265	NONE	16 8.625 5.5	16 8.625 5.5	20 12.25 7.875	40 1605 4510	40 950 1050	CIRC CIRC CIRC
29231 Oxy	30-025- 07438	29 -18S	-38E	K	10/30	P	4255	4106	4255	NONE	15.5 9.625 7 5	15.5 9.625 7 5	18 12.25 8.75 6.25	252 2729 3953 3906-4220	1000 600 300 50	CIRC** CIRC 2718 3906
29241 Oxy	30-025- 07437	29 -18S	-38E	N	10/30	I	4255	4076	4239	NONE	12.5 9.625 7	12.5 9.625 7	18 12 8.75	217 2730 3929	160 500 350	CIRC 895 1850

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

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
												5.5	7.875	3822-4299	60	3822
29242 Oxy	30-025- 28413	29 -18S	-38E	N	3/84	P	4370	4005	4257		4019 4037 4040	16 8.625 5.5	20 12.25 7.875	30 1511 4368	NA 750 750	CIRC CIRC 2330
29311 Oxy	30-025- 07432	29 -18S	-38E	B	10/30	P	4269	4044	4269		4090-4110 4171	12.5 9.625 7 5.5	16 11.75 8.75 6.25	241 2776 4008 3921-4234	250 400 500 350	113 2750 2949 3786
29321 Oxy	30-025- 07431	29 -18S	-38E	G	9/30	P	4301 PBTD	4137	4271		3895 4100	12.5 9.625 7 5	16 11.75 8.75 6.25	211 2756 3995 3812-4308	250 250 300 100	CIRC 921 2930-CBL 3894-CBL
29322 Oxy	30-025- 28883	29 -18S	-38E	G	11/84	I	4342 PBTD	4160	4256		NONE	13.375 8.625 5.5	17.5 12.25 7.875	40 1520 4384	NA 620 850	CIRC CIRC CIRC
29323 Oxy	30-025- 28941	29 -18S	-38E	G	1/85	P	4180 PBTD	3089	4272		NONE	13.375 8.625 5.5	17.5 12.25 7.875	40 1542 4370	NA 375 450	CIRC CIRC 575-CBL
29331 Oxy	30-025- 07436	29 -18S	-38E	J	9/30	I	4261	4100	4258		4044-4065	9.625 7 4.5	11.75 8.75 6.25	2742 3929 4270	500 300 750	907 2115 3788 CBL
29341 Oxy	30-025- 07445	29 -18S	-38E	O	10/30	P	4090 PBTD	4050	4146		4010-4035	13.375 9.625 7 5	15 12 8.75 6.25	210 2750 3934 4162	150 700 300 350	CIRC** CIRC** 3430-CBL CIRC
29342 Oxy	30-025- 28884	29 -18S	-38E	O	11/84	I	4375	4083	4250		NONE	13.375 8.625 5.5	17.5 12.25 7.875	40 1520 4375	NA 620 875	NA CIRC CIRC
29411	30-025- 07454	29 -18S	-38E	A	10/30	I	4335	4200	4335		4102-4137	12.5	16	245	250	CIRC

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

Well Name	API No.	Sec.	T	R	Un	Drill Date	Well Type	TD or	Top	Bot.	Sqz.	Csg.	Hole	Depth	No. of	TOC
Operator					Ltr			PBTD	Perf	Perf	Perfs	Size	Size		Sxs.	
Oxy											4057-4091	9.625	11.75	2750	650	365**
											4154-4158	7	8.75	4045	300	2231**
												5.5	6.25	3941-4223	30	3941**
29431	30-025- 07458	29	-18S	-38E	I	10/30	P	4227	4155	4225	4010	15.5	18	228	200	CIRC**
Oxy								PBTD			4075	9.625	12.25	2720	600	978**
												7	8.75	3900	400	2086**
												5.5	6.25	3209-4229	120	3209**
29441	30-025- 07444	29	-18S	-38E	P	10/30	P	4211	4058	4266	4020-4028	13.375	18	232	150	CIRC**
Oxy								PBTD				9.625	12	2743	1400	CIRC**
												7	8.75	3950	300	3240-CBL
												5	6.5	4172	22	4020
29442	30-025- 28885	29	-18S	-38E	P	2/85	I	4237	4065	4210	4031	13.375	17.5	40	NA	CIRC
Oxy								CIBP			4036	9.625	12.25	1536	575	CIRC
												7	7.875	4370	1100	CIRC
29544	30-025- 34644	29	-18S	-38E	P	7/99	P	4359	4124	4256	NONE	14	18	40	50	CIRC
Oxy								PBTD				8.625	12.25	1565	725	CIRC
												5.5	7.875	4400	775	CIRC
30112	30-025- 29063	30	-18S	-38E	D	3/85	TA	4000	4034	4264	NONE	13.375	17.5	40	NA	NA
Oxy								CIBP				9.625	12.25	1520	250	CIRC
												7	8.75	4369	675	CIRC
30113	30-025- 29064	30	-18S	-38E	D	1/85	P	4310	4042	4285	NONE	13.375	17.5	55	NA	CIRC
Oxy								CIBP				8.625	1495	1495	620	CIRC
												5.5	7.875	4370	990	CIRC
30121	30-025- 07464	30	-18S	-38E	E	9/30	I	4115	4160	4271	4042-4096	12.5	16	212	200	CIRC**
Oxy								PBTD				9.625	11.75	2749	400	1281**
												7	8.75	3994	425	2738-CBL
												5	6.125	3841-4312	40	CIRC-CBL
30131	30-025- 07481	30	-18S	-38E	L	10/30	P	4256	4082	4270	4006-70	9.625	11.75	2751	550	733
Oxy								CIBP			4116-40	7	8.75	3900	350	1783

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

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
											4182-4200	5	6.25	4207	50	3770 CBL
30211 Oxy	30-025-07463	30	-18S	-38E	C	8/30	P	4254	4149	4250	4078 4086 4100	9.625 6.625 5 Lnr	12.25 7.875 6.5	2647 3972 3867-4310	400 250 100	2940** 3130 CBL CIRC**
30221 Oxy	30-025-07462	30	-18S	-38E	F	4/30	P	4279	4072	4208-79 OH	4023-4025 4081-4104 4120-4128	9.625 7 4.5 Lnr	11.75 8.25 6.25	2750 3852 3799-4207	535 250 125	787 1500 CBL 3799
30222 Oxy	30-025-26833	30	-18S	-38E	F	10/80	I	4290 CIBP	4123	4302	3718 4322-29	16 8.625 5.5	20 12.25 7.875	40 1570 4349	40 950 800	CIRC CIRC 2608 CBL
30231	30-025-07479	30	-18S	-38E	K	7/30	TA	4015	4119	4256	943-955 4166-4190	20 9.625 7 5	22 12.25 8.75 6.25	215 2750 3930 4200	75 400 550 60	67 1589 604 3193-CBL
30232 Oxy	30-025-26935	30	-18S	-38E	K	12/80	I	4519	4138	4310	4170-78 4186-94	16 8.625 5.5	18 11 7.875	40 1600 4555	40 875 1155	CIRC CIRC 2614 CBL
30233 Oxy	30-025-28942	30	-18S	-38E	K	2/85	P	4210	4148	4240	NONE	13.375 8.625 5.5 2.375	17.5 11 7.875 5	55 1507 4383 4060	NA 620 1070 NA	NA CIRC CIRC NA
30311	30-025-07469	30	-18S	-38E	B	8/30	TA	3950 RBP	3998	4121	2601	13.5 9.625 7	16 11.75 8.75	245 2753 3998	200 600 250	CIRC 551 3154
30312 Oxy	30-025-29197	30	-18S	-38E	B	5/85	P	4380	4215	4333	NONE	13.375 9.625 7	17.5 12.25 8.75	40 1500 4431	NA 650 700	NA CIRC CIRC
30313	30-025-23270	30	-18S	-38E	B	11/69	TA	4065	5871	5951	5805-53	13.375	17.5	382	400	CIRC

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

Well Name	API No.	Sec.	T	R	Un	Drill Date	Well Type	TD or PBT	Top Perf	Bot. Perf	Sqz. Perfs	Csg. Size	Hole Size	Depth	No. of Sxs.	TOC
Operator					Ltr											
Oxy								CIBP				8.625	12.25	3849	1256	600
												5.5	7.875	6047	570	1500
30321	30-025- 07467	30 -18S	-38E	G	7/1/30	P	4257	4130	4196	4196	4030-60	9.625	11.75	2755	600	553
Oxy												7	8.75	3854	250	2342
												5	7	4200	405	CIRC/CBL
30331	30-025- 07472	30 -18S	-38E	J	8/1/30	P	4238	4014	4225	4225	4068-4072 4074-4092	12.5	15	242	225	CIRC
Oxy												9.625	12	2750	650	CIRC
												7	8.75	3960	300	CIRC
												5.5	6.125	4238	30	3650
30332	30-025- 28954	30 -18S	-38E	J	5/1/85	I	4323	4127	4236	4236	NONE	13.375	17.5	40	NA	NA
Oxy							PBTD					9.625	12.25	1503	650	CIRC
												7	8.75	4371	800	CIRC
30333	30-025- 28955	30 -18S	-38E	J	2/1/85	I	4328	4137	4290	4290	NONE	13.375	17.5	40	NA	NA
Oxy												8.625	12.25	1579	425	CIRC
												5.5	7.875	4370	500	CIRC
30412	30-025- 23384	30 -18S	-38E	A	1/1/70	P	4440	4009	4261	4261	4142-4200	13.375	17.5	379	400	CIRC
Oxy							PBTD					9.625	12.25	3848	1200	75
												7	8.75	7106	865	3400
30421	30-025- 07468	30 -18S	-38E	H	7/1/30	P	4258	4114	4258	4258	NONE	12.5	16	251	200	CIRC
Oxy												9.625	11.75	2756	600	554
												7	8.75	3858	250	CIRC
												5	6.25	4202	450	CIRC
30422	30-025- 27059	30 -18S	-38E	H	5/1/81	I	4477	4110	4265	4265	4108-23	16	20	40	40	CIRC
Oxy												8.625	12.25	1524	850	CIRC
												5.5	7.875	4510	1000	2500 CBL
30431	30-025- 07474	30 -18S	-38E	I	8/1/30	P	4213	4085	4201	4201	4034-4035	12.5	16	214	200	CIRC**
Oxy							PBTD					9.625	11.75	2750	650	CIRC**
												7	8.75	3975	300	2009**

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

Well Name	API No.	Sec.	T	R	Un	Drill Date	Well Type	TD or PBTD	Top Perf	Bot. Perf	Sqz. Perfs	Csg. Size	Hole Size	Depth	No. of Sxs.	TOC
Operator					Ltr											
30432	30-025- 28957	30 -18S	-38E	I		12//84	I	4325 PBTD	4110	4266	NONE	13.375	17.5	55	REDIMIX	CIRC
Oxy												8.625	12.25	1490	370	CIRC
												5.5	7.875	4370	350	CIRC
30443	30-025- 28958	30 -18S	-38E	P		12//84	I	4290 PBTD	4094	4247	NONE	13.375	17.5	40	54	CIRC
Oxy												8.625	12.25	1470	425	440-TS
												5.5	5.5	4370	340	858-CBL
32211	30-025- 07525	32 -18S	-38E	C		4//31	P	4252	4083	4206	NONE	13.375	17	189	200	CIRC**
Oxy												9.625	12.25	2736	600	977**
												6.625	8.75	3860	300	2210-CBL
32212	30-025- 30258	32 -18S	-38E	C		4//88	P	4303 PBTD	4135	4256	NONE	14	17	53	NA	NA
Oxy												9.625	12.25	1504	650	CIRC
												7	8.75	4348	1150	CIRC
32221	30-025- 07520	32 -18S	-38E	F		8//30	P	4215 CMT	4084	4252	3940-4065	12.5	16	207	200	CIRC**
Oxy												9.625	12.25	2752	600	333**
												6.625	8.75	3940	200	2892-CBL
												4.5	6.25	3748-4289	65	CIRC
32231	30-025- 07521	32 -18S	-38E	K		8//30	P	4030 PBTD	3876	4222	4068-4083	15.5	17.5	207	200	CIRC
Oxy												9.625	12.25	2738	600	996
												7	8.75	3946	300	2246
												4	6.25	3701-4194	90	3701
32313	30-025- 30263	32 -18S	-38E	B		4//88	P	4300 PBTD	4120	4229	NONE	14	17	53	NA	NA
Oxy												9.625	12.25	1510	650	CIRC
												7	8.75	4346	1250	CIRC
32321	30-025- 12506	32 -18S	-38E	G		8//30	I	4220 PBTD	4114	4200	3145-3150	12.5	16	230	225	CIRC**
												9	12.25	2759	600	983**
												6.625	8.75	3950	225	2472-CBL
												3971-4247				
32322	30-025- 07518	32 -18S	-38E	G		9//30	P	4250 PBTD	4148	4210	4035-4037	12.5	16	240	200	CIRC**
Oxy												9.625	12.25	2750	600	330**
												7	8.75	3960	225	2900-CBL

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

Well Name Operator	API No.	Sec.	T	R	Un Ltr	Drill Date	Well Type	TD or PBT	Top Perf	Bot. Perf	Sqz. Perfs	Csg. Size	Hole Size	Depth	No. of Sxs.	TOC
												5.5	7.875	3911-4217	100	3973-CBL
32323 Oxy	30-025- 26973	32 -18S	-38E	G	12//80	I	4292	4062	4276	4293-4332	16	20	20	40	40	CIRC
							PBTD				8.625	12.25	12.25	1600	1000	CIRC
											5.5	7.875	7.875	4400	920	3624-CBL
32331 Oxy	30-025- 07538	32 -18S	-38E	J	9//30	I	4220	3940	4200	1414	15.5	18	18	300	250	CIRC
							PBTD			2670	9.625	11.75	11.75	2750	300	915**
										3964-3997	7	8.75	8.75	3940	700	CIRC
										4050-4261	5	6.25	6.25	4247	750	2430-CBL
32332 Oxy	30-025- 29173	32 -18S	-38E	J	4//85	P	4310	4055	4208	4019-4021	13.375	17.5	17.5	40	NA	NA
							PBTD				9.625	12.25	12.25	1534	680	CIRC
											7	8.75	8.75	4356	875	CIRC
32342 Oxy	30-025- 28266	32 -18S	-38E	O/A	10//83	I	4380	4091	4283	NONE	16	20	20	30	40	CIRC
											8.625	12.25	12.25	1522	700	CIRC
											5.5	7.875	7.875	4380	650	CIRC**
32343 Oxy	30-025- 29906	32 -18S	-38E	O	6//87	P	4220	4141	4208	4000-4002	14	18	18	40	NA	NA
							PBTD			4224-4035	9.625	12.25	12.25	1498	1400	CIRC
											7	8.75	8.75	4370	1350	CIRC
32411 Oxy	30-025- 07516	32 -18S	-38E	A	9//30	P	4272	3939	4160	NONE	12.5	16	16	224	200	CIRC**
											9.625	11.75	11.75	2740	400	1272**
											7	8.75	8.75	3939	500	2690-CBL
32421 Oxy	30-025- 07517	32 -18S	-38E	H	8//30	P	4210	4092	4202	4046-4056	12.5	16	16	245	200	CIRC**
							PBTD			4158-4192	9.625	12	12	2755	600	CIRC**
										4203-4218	7	8.75	8.75	3950	225	2385-CBL
											5.5	7.875	7.875	3916-4219	125	CIRC**
32422 Oxy	30-025- 29074	32 -18S	-38E	H	3//85	P	4257	3874	4222	4047-4057	13.375	17.5	17.5	40	NA	NA
							PBTD			4090	9.625	12.25	12.25	1538	425	CIRC
											7	8.75	8.75	4369	570	1470
32423	30-025- 29198	32 -18S	-38E	H	5//85	I	4328	4051	4235	NONE	13.375	17.5	17.5	40	NA	NA

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

Well Name	API No.	Sec.	T	R	Un	Drill Date	Well Type	TD or PBTD	Top Perf	Bot. Perf	Sqz. Perfs	Csg. Size	Hole Size	Depth	No. of Sxs.	TOC
Operator																
Oxy												9.625	12.25	1508	580	CIRC
												7	8.75	4379	925	CIRC
32424	30-025- 23130	32 -18S	-38E	H			P	5210	4128	4244	NONE	13.375	17.5	350	350	CIRC**
Oxy								PBTD				8.625	12.25	3790	1300	CIRC**
												5.5	7.875	3580-7015	650	3580**
32432	30-025- 26974	32 -18S	-38E	I	10/80		I	4216	4062	4214	4227-4252	16	20	40	40	CIRC
Oxy								CMT				8.625	12.25	1600	850	CIRC
												5.5	7.875	4400	950	CIRC
32441	30-025- 07536	32 -18S	-38E	P	8/30		P	4244	4112	4244	4060-4087	12.5	16	188	125	CIRC
Oxy												9.625	12.25	2750	400	1595**
												7	8.75	3971	250	2662**
												5	6.25	4234	60	3500-CBL
32531	30-025- 34374	32 -18S	-38E	J	6/98		P	4354	4098	4233	4052-4075	14	18	40	50	CIRC**
Oxy								PBTD				8.625	12.25	1553	800	CIRC
												5.5	7.875	4400	1000	CIRC**
32542	30-025- 34375	32 -18S	-38E	I	7/98		P	4444	4105	4250	NONE	14	18	40	50	CIRC**
Oxy								PBTD				8.625	12.25	1581	800	CIRC
												5.5	7.875	4600	1000	CIRC
33111	30-025- 12505	33 -18S	-38E	D	9/30		P	4160	4050	4176	4011-4021	12.5	16	240	200	CIRC
Oxy								PBTD				9.625	11.75	2750	600	CIRC
												7	8.75	3968	225	2520-CBL
												5.5	7.875	3923-4236	95	CIRC**
33121	30-025- 07559	33 -18S	-38E	E	8/30		P	4279	4053	4223	NONE	12.5	16	184	NA	NA
Oxy												9.625	11.75	2755	NA	NA
												7	8.75	3951	250	2632**
												4.5	6.25	4279	175	2730-CBL
33123	30-025- 23263	33 -18S	-38E	E	9/69		P	6215	4051	6933	NONE	13.375	17.5	425	400	CIRC

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

Well Name	API No.	Sec.	T	R	Un	Drill Date	Well Type	TD or PBTB	Top Perf	Bot. Perf	Sqz. Perfs	Csg. Size	Hole Size	Depth	No. of Sxs.	TOC
Oxy								PBTD				9.625	12.25	3958	550	1640**
												7	8.75	7040	700	3500-TS
33141	30-025- 07543	33 -18S	-38E	M	9/30	P	4254	4062	4249	NONE		12.5	16	209	165	CIRC
Oxy							PBTD					9.625	11.75	2738	500	903**
												7	8.75	3976	275	2313**
												5	6.25	3828-4261	45	3828
33142	30-025- 28411	33 -18S	-38E	M	12/83	I	4296	4067	4236	4027		16	20	40	NA	CIRC
Oxy							PBTD			4040		8.625	12.25	1540	750	CIRC
										4068-4116		5.5	7.875	4370	910	320-CBL
33221	30-025- 07560	33 -18S	-38E	F	9/30	I	4185	4047	4230	606		12.5	16	237	125	CIRC
Oxy							CIBP			3145-3146		9.625	11.75	2770	400	CIRC
										4043-4052		7	8.75	4012	275	CIRC
												5	6.25	4242	100	2850-CBL
33222	30-025- 26975	33 -18S	-38E	F	10/80	I	4322	4054	4276	4206-4210		16	20	40	40	CIRC
Oxy							CIBP			4214-4218		8.625	12.25	1600	800	CIRC
												5.5	7.875	4400	1100	CIRC
33231	30-025- 07545	33 -18S	-38E	K	10/30	I	4259	4042	4228	4043-4050		15.5	18	183	250	CIRC
Oxy												9.625	12.25	2732	600	990**
												7	8.75	3946	310	2860-CBL
												5	6.25	3860-4235	50	3871
33232	30-025- 26834	33 -18S	-38E	K	9/80	I	4395	4130	4148	4050-4054		16	20	40	40	CIRC
Oxy							PBTD			4096-4101		8.625	12.25	1590	700	CIRC
												5.5	7.875	4439	750	CIRC
State A #1	30-025- 12504	32 -18S	-38E	G	6/30	P	3750	3585	3685	NONE		12.5	16.5	222	135	CIRC**
Oxy							PBTD					9	12.25	2755	600	977**
												7	8.75	3850	200	3139**
State A #6	30-025- 22944	32 -18S	-38E	G	4/69	P	5861	5805	5929	NONE		13.375	17.5	357	350	CIRC
Oxy												8.625	11.75	3820	800	CIRC
												5.5	7.875	3566	500	CIRC

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

Well Name	API No.	Sec.	T	R	Un	Drill Date	Well Type	TD or PBT	Top Perf	Bot. Perf	Sqz. Perfs	Csg. Size	Hole Size	Depth	No. of Sxs.	TOC
Operator																
State B #1	30-025- 12505	33	-18S	-38E												
Now 33111																
Oxy																
State G #6	30-025- 23334	33	-18S	-38E	F	11//69	P	6441 PBT	6204	6148	450-452 3410-3412 5930-5962	11.75 8.625 5.5 4	17.5 11 7.875 4.75	420 1831 6009 5815-7041	540 370 400 75	CIRC 1831-TS 3500-TS 5815**
Oxy																
27111	30-025- 23375	27	-18S	-38E	D	2//77	PA	4077 PBT	4161	4360	NONE	8.625 5.5	12.25 7.875	347 4222	275 450	CIRC** 2676-CBL
Oxy																
29421	30-025- 07459	29	-18S	-38E	H	11//30	PA	308 CIRC	3880	4232	NONE	12.5 9.625 7 5.5	16 11.75 8.75 6.25	220 2720 3880 3796-4236	200 600 300 50	CIRC** 518** 2914-CBL 3866
Oxy																
32311	30-025- 07515	32	-18S	-38E	B	8//30	PA	2700 PBT	3938	4160	NONE	12.5 9.625 6.625	16 11.75 8.75	207 2739 3938	200 425 350	CIRC** 1179** 2740-CBL
Oxy																
State A #5	30-025- 08409	32	-18S	-38E	H	10//48	PA	2200 CMT	NA	NA	NONE	8.625 5.5	11 7.75	391 3120	200 800	CIRC** CIRC**
Oxy																
State B #4	30-025- 12508	33	-18S	-38E	D	12//47	PA	3192	3145	3186	NONE	8.625 4.5	11 7.875	413 3120	200 850	CIRC** CIRC**
Oxy																
State G #4	30-025- 07563	33	-18S	-38E	E	12//49	PA	3210	3187	3190	NONE	10.75 5.5	15 7.375	448 3108	400 800	CIRC CIRC
Oxy																

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

FOR WELLS 28332,29231,29321,30223,32312,32431																
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
St A #4 Amerada	30-025- 23076	32	-18S	-38E	B	4//69	TA	5325 CIBP	5375	5966	NA	11.75 8.625 5.5	15 11 7.875	380 3810 5998	350 590 325	CIRC 2400 5281**
St A #5 Amerada	30-025- 23116	32	-18S	-38E	A	6//69	P	6954	6674	6936	NA	11.75 8.625 5.5	15 11 7.875	385 3798 7000	400 590 501	CIRC** 1099** 4772**
State B #5 Collins & Ware	30-025- 07434	29	-18S	-38E	G	12//48	P	3224	3136	3224	1680-1682	10.75 7.625 5.5	13.75 9.875 6.75	220 1665 3136	200 300 300	CIRC** CIRC** CIRC**
State B #6 Collins & Ware	30-025- 07435	29	-18S	-38E	F	1//47	P	3219	3137	3219	NONE	7.625 5.5	9.875 6.75	414 3137	200 394	390 CIRC**
St I #5 Texland Pet.	30-025- 23173	29	-18S	-38E	O	7//69	P	6970	6648	6930	NONE	8.625 6.625 5.5	12.25 8.75 7.875	3808 3575 7022	300 530 NA	3418** CIRC** NA
State A #7 Conoco	30-025- 22934	29	-18S	-38E	N	2//69	P	6050	5823	5941	NONE	11.75 8.625 5.5	15 11 7.875	360 3800 6050	250 240 405	CIRC** 2515-TS 3300-TS
State A #8 Conoco	30-025- 23048	29	-18S	-38E	K	4//69	TA	3567 CIBP	3652	5787	5824-5924	11.75 8.625 5.5	15 11 7.875	360 3800 5960	250 240 405	CIRC** 3064** 4309**
State A-33 # 12 Conoco/Brothers Prod.	30-025- 23195	33	-18S	-38E	L	9//69	P	6985 PBD	6686	6946	NONE	13.375 9.625 7	17.5 12.5 8.75	422 3750 7018	375 325 525	CIRC 2850 3700

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

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
Bowers A Fed. #28 Exxon	30-025- 23022	29	-18S	-38E	M	4//69	P	5345 CIBP	5856	5928	NONE	11.75	15	374	300	CIRC**
												8.625	11	3850	500	1879**
												5.5	7.875	5989	450	3838**
Bowers A Fed. #29 Exxon	30-025- 23131	29	-18S	-38E	L	5//69	P	6000	5808	5889	NONE	11.75	15	370	300	CIRC**
												8.625	11	3849	500	1877**
												4.5	7.875	6000	450	5087**
Bowers A Fed. #38 Exxon	30-025- 28580	30	-18S	-38E	I	4//84	P	7006	6764	6962	NONE	13.375	17.5	1476	1220	CIRC
												10.75	12.25	4491	1650	CIRC
												5.5	7.875	7000	660	4985
WD Grimes #6 Lewis B. Burlleson	30-025- 23400	29	-18S	-38E	I	2//70	P	7018 PBD	6631	6984	NONE	13.375	17.5	377	400	CIRC**
												9.625	12.25	3847	2300	CIRC**
												7	8.75	7049	540	3458**
HD McKinley #8 Getty	30-025- 23151	30	-18S	-38E	H	6//69	P	5615	3676	3754	NONE	13.375	17.5	360	340	CIRC
												8.625	11	3842	1400	CIRC
												5.5	7.875	6057	650	3300
HD McKinley #9 Getty	30-025- 23221	30	-18S	-38E	G	8//69	TA	6961 CIBP	5761	6965	NONE	13.375	17.5	378	400	CIRC**
												9.625	12.25	3851	1748	CIRC**
												7	8.75	6999	650	1933**
Grimes A #4 Gulf	30-025- 07522	32	-18S	-38E	C	9//30	P	3884 PBD	3604	3700	270	15.5	20	220	200	CIRC**
												9.625	12.25	2742	600	318**
												6.625	7.875	3931	400	CIRC**
Grimes NCT-A #17 Gulf/Chevron	30-025- 22792	32	-18S	-38E	C	11//68	P	6051 PBD	5780	5996	NONE	13.375	17.5	366	370	CIRC
												9.625	12.25	3399	1450	CIRC**
												7	8.75	6149	545	2510
Grimes NCT-A #18	30-025- 22915	32	-18S	-38E	F	2//69	P	6000	5772	5928	NONE	13.375	17.5	351	335	CIRC

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

Well Name	API No.	Sec.	T	R	Un	Drill Date	Well Type	TD or PBTD	Top Perf	Bot. Perf	Sqz. Perfs	Csg. Size	Hole Size	Depth	No. of Sxs.	TOC
Operator					Ltr											
Gulf/Chevron								PBTD				8.625	11	3799	500	1802**
												5.5	7.875	6019	505	2470
Bowers A Fed. # 1	30-025- 07471	30	-18S	-38E	I	1/30	PA	6000	5878	5922	3669-3726	12.25	17	205	180	CIRC**
Exxon								PBTD			5812-5849	9.625	11.5	2750	630	CIRC**
												7	8.75	3962	528	CIRC**
												4.5	6.25	6000	275	2200-TS
Bowers A Fed. #CT21	30-025- 21968	30	-18S	-38E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Humble																
Bowers A Fed. #CT22	30-025- 21961	29	-18S	-38E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Humble																
Bowers A Fed. #CT23	30-025- 21962	29	-18S	-38E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Humble																
Bowers Fed. #2	30-025- 07472	30	-18S	-38E												
Humble																
Now NHU 30331																
St #5	30-025- 07483	30	-18S	-38E	K	2/48	P	3246	3194	3244	NA	8.625	11	300	125	CIRC**
Marathon												5.5	7	3160	1350	CIRC**
State A #6	30-025- 07540	32	-18S	-38E	O	6/48	TA	3240	3156	3198	NONE	8.625	11	301	125	CIRC**
Marathon/Saga												5.5	7	3116	750	CIRC**
State #7	30-025- 07541	32	-18S	-38E	P	6/48	SI	3213	3116	3213	NONE	8.625	11	301	125	CIRC**

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

Well Name	API No.	Sec.	T	R	Un	Drill	Well	TD or	Top	Bot.	Sqz.	Csg.	Hole	Depth	No. of	TOC
Operator					Ltr	Date	Type	PBTD	Perf	Perf	Perfs	Size	Size		Sxs.	
Marathon												5.5	7	3116	1000	CIRC
State #8	30-025- 07542	32	-18S	-38E	I	7/1/48	P	3192	3124	3192	NONE	8.625	11	300	125	CIRC
Marathon												5.5	7	3124	1000	CIRC
St #8	30-025-07486	30	-18S	-38E	L	4/1/48	P	3180	3223	3271	NA	8.625	11	295	125	CIRC
Marathon								OH				5.5	7	3173	900	CIRC
Hobbs State #1	30-025- 23585	29	-18S	-38E	F	10/1/70	P	7032	6680	6992	NONE	12.75	17.5	356	400	CIRC
Marcum Drilling								PBTD				8.625	11	3795	300	2600
												5.5	7.875	7050	150	3839-CBL
Conoco-State #2	30-025- 23856	33	-18S	-38E	K	11/1/71	P	7075	5830	6533	NONE	13.375	17	402	410	CIRC
Penroc												9.625	12.25	3797	350	998
												7	8.75	7075	600	3503
Hobbs State #2	30-025- 23620	29	-18S	-38E	G	11/71	P	6397	6705	7031	6318-6350	9.625	12.75	358	200	CIRC
Marcum Drilling								PBTD				7	8.75	3850	250	2481**
												4.5	6.125	7075	425	1672**
Hobbs SWD F #WD29	30-025- 12802	29	-18S	-38E	F	2/1/60	I	5050	4469	5050	NA	9.625	12.25	400	300	CIRC**
Rice										OH		7	8.75	4700	700	CIRC**
State Land S32 #9	30-025- 23309	32	-18S	-38E	J	11/70	P	6710	5954	6560	NONE	13.375	17.5	364	160	90**
Saga								CIBP				9.625	12.25	3799	1140	CIRC**
												7	8.75	573-6998	490	CIRC**
Seed St 30 #1	30-025- 22994	30	-18S	-38E	K	2/1/69	P	45	10	45	NONE	7	8.5	10	2	CIRC**
C.E. Seed																

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

Well Name	API No.	Sec.	T	R	Un	Drill	Well	TD or	Top	Bot.	Sqz.	Csg.	Hole	Depth	No. of	
Operator					Ltr	Date	Type	PBTD	Perf	Perf	Perfs	Size	Size		Sxs	TOC
Seed St 30 #2	30-025- 22995	30	-18S	-38E	K	2/169	P	45	10	45	NONE	7	8.5	10	2	CIRC**
C.E. Seed																
Seed St 30 #3	30-025- 22996	30	-18S	-38E	K	2/169	P	45	10	45	NONE	7	8.5	10	2	CIRC**
C.E. Seed																
Seed St 30 #4	30-025- 22997	30	-18S	-38E	K	2/169	P	45	10	45	NONE	7	8.5	10	2	CIRC**
C.E. Seed																
Seed St 30 #5	30-025- 22998	30	-18S	-38E	K	2/169	P	45	10	45	NONE	7	8.5	10	2	CIRC**
C.E. Seed																
Seed St 30 #6	30-025- 22319	30	-18S	-38E	K	2/169	P	45	10	45	NONE	7	8.5	10	2	CIRC**
C.E. Seed																
Seed St 30 #7	30-025- 22320	30	-18S	-38E	K	2/169	P	45	10	45	NONE	7	8.5	10	2	CIRC**
C.E. Seed																
Seed St 30 #8	30-025- 22321	30	-18S	-38E	K	2/169	P	45	10	45	NONE	7	8.5	10	2	CIRC**
C.E. Seed																
Seed St 30 #9	30-025- 22322	30	-18S	-38E	K	2/169	P	45	10	45	NONE	7	8.5	10	2	CIRC**
C.E. Seed																
Hobbs State #3	30-025- 23621	29	-18S	-38E	B	12/170	SWD	6060	5144	6029	NONE	9.625	12.25	350	200	CIRC

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

[illegible]

**** Denotes calculated TOC with 50% efficiency**

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

Well Name	API No.	Sec.	T	R	Un	Drill	Well	TD or	Top	Bot.	Sqz.	Csg.	Hole	Depth	No. of	TOC
Operator					Ltr	Date	Type	PBTD	Perf	Perf	Perfs	Size	Size		Sxs.	
Bowers Fed. A #3 ARC Ind.	30-025- 22126	30	-18S	-38E	J	6//67	PA	38	10	38	NONE	7	7.875	10	3	CIRC**
Bowers Fed. A #4 ARC Ind.	30-025- 22127	30	-18S	-38E	J	7//67	PA	38	10	38	NONE	6.625	6.75	10	3	CIRC
Bowers Fed. A #5 ARC Ind.	30-025- 22189	30	-18S	-38E	J	7//67	PA	38	10	38	NONE	6.625	6.75	10	3	CIRC
Bowers Fed. A #6 ARC Ind.	30-025- 22276	30	-18S	-38E	J	10//67	PA	45	10	45	NONE	5.5	6.75	10	3	CIRC**
Bowers Fed. A #10 ARC Ind.	30-025- 22147	30	-18S	-38E	J	6//67	PA	38	10	38	NONE	7	7.875	10	3	CIRC**
Bowers Fed. A #11 ARC Ind.	30-025- 22148	30	-18S	-38E	J	6//67	PA	38	10	38	NONE	6.625	6.75	10	3	CIRC**
Bowers Fed. A #12 ARC Ind.	30-025- 22190	30	-18S	-38E	J	10//67	PA	45	10	45	NONE	6.625	6.75	10	3	CIRC**
F.A Bowers #13 ARC Ind.	30-025- 22277	30	-18S	-38E	J	10//67	PA	45	10	45	NONE	5.5	6.75	10	3	CIRC**
Grimes #5 Conoco	30-025- 07414	28	-18S	-38E	O	12//47	PA	3218	3199	3209	3199-3209	10.75	13.75	422	300	CIRC**
Grimes #6	30-025- 07415	28	-18S	-38E	J	12//47	PA	3255	3236	3249	NONE	10.75	12.25	424	350	CIRC**

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

Well Name	API No.	Sec.	T	R	Un	Drill	Well	TD or	Top	Bot.	Sqz.	Csg.	Hole	Depth	No. of	TOC
Operator					Ltr	Date	Type	PBTD	Perf	Perf	Perfs	Size	Size		Sxs.	
Conoco												7	8.75	3255	550	CIRC**
St A #4	30-025- 07439	29	-18S	-38E	J	2/1/47	PA	3215	3167	3194	NA	10.75	15	200	250	CIRC**
Conoco												5.5	7.875	3200	600	CIRC**
State A #5	30-025- 07440	29	-18S	-38E	K	3/1/47	PA	3200	3168	3188	NONE	10.75	15	280	200	CIRC**
Conoco												7.625	9.875	1573	425	CIRC**
												5.5	7.875	3197	450	CIRC**
State A #6	30-025- 07441	29	-18S	-38E	N	7/1/47	PA	3172	3158	3166	NONE	12.75	15	260	200	CIRC
Conoco												8.625	10.75	1562	475	CIRC**
												7	8.25	2721	350	CIRC**
												5	6.25	3172	500	CIRC**
State A-33 #8	30-025- 07549	33	-18S	-38E	L	9/1/48	PA	3200	3148	3197	3148-3197	13.375	17.5	362	300	CIRC**
Conoco												5.5	7.875	3199	1200	CIRC**
State A-33 #9	30-025- 07550	33	-18S	-38E	M	10/1/48	PA	3235	3100	3235	NONE	10.75	13.375	371	300	CIRC**
Conoco												5.5	7.875	3210	1000	CIRC**
Grimes A #11	30-025- 07529	32	-18S	-38E	F	12/1/47	PA	3169	3140	3169	NA	9.625	12.25	294	200	CIRC**
Chevron									OH			7	8.75	3130	600	CIRC**
Bowers #2	30-025- 08045	30	-18S	-38E	J	5/1/30	PA	106 NA	NA	NA	NONE	12.5	16	106	25	CIRC**
Humble																
B. A. Bowers #6	30-025- 07475	30	-18S	-38E	I	11/1/30	PA	3190	NA	NA	NA	12.5	18	217	200	CIRC
Exxon												9.625	12	2750	650	CIRC**
												7	8.75	3147	120	3139**
Bowers A #12	30-025- 07450	29	-18S	-38E	L	4/1/47	PA	3088 NA	NA	NA	NA	8.625	11	236	100	CIRC**
Exxon								PBTD				5.5	7.625	3144	675	880-TS

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

Well Name	API No.	Sec.	T	R	Un	Drill	Well	TD or	Top	Bot.	Sqz.	Csg.	Hole	Depth	No. of	
Operator					Ltr	Date	Type	PBTD	Perf	Perf	Perfs	Size	Size		Sxs	TOC
Bowers A #14	30-025- 07451	29	-18S	-38E	O	8/47	PA	3207	3162	3207	NONE	8.625	11	496	400	CIRC**
Exxon												5.5	7.625	3120	1350	CIRC**
Bowers A-B #1	30-025- 07453	29	-18S	-38E	D	9/48	PA	3238	3179	3238	NA	8.625	11	260	150	CIRC**
Exxon								OH				5.5	7.625	3179	1050	CIRC**
Bowers A Fed. #9	30-025- 07446	29	-18S	-38E	E	8/30	PA	4259	NA	NA	NA	9.625	12	2750	650	CIRC**
Exxon												7	8.75	3976	300	2011**
												5	6.25	4259	NA	NA
Bowers A Fed. #13	30-025- 07476	30	-18S	-38E	J	7/47	PA	3189	3148	3189	NA	8.625	11	225	200	CIRC**
Exxon								OH				5.5	7.625	3150	1350	CIRC**
Bowers A Fed. #17	30-025- 21900	30	-18S	-38E	J	10/66	PA	50	10	50	NONE	7	8	12	6	CIRC**
Exxon																
Bowers A Fed. #31	30-025- 23176	29	-18S	-38E	E	6/69	PA	7050	6075	6991	NONE	8.625	11	3836	500	1858**
Exxon												5.5	7.875	7038	650	3125**
												2	7.875	7005	NA	NA
Bowers A Fed. #33	30-025- 23222	29	-18S	-38E	D	7/69	PA	3970	4144	5953	4256-66	13.375	17	416	400	CIRC**
Exxon								CIBP			5939	9.625	12.25	3836	350	2555-TS
												7	8.75	5988	550	2900-TS
Bowers A Fed. #34	30-025- 23260	30	-18S	-38E	J	8/69	PA	7010	5822	6979	5848-98	9.625	12.25	3850	550	2296**
Exxon											6932-75	3.5 B	7.875	6088	895	2600**
												3.5 D	7.875	6098	895	2615**
Bowers A Fed. #CT24	30-025- 21963	29	-18S	-38E	E	1/67	PA	35	NA	NA	NA	NA	NA	NA	NA	NA
Humble																
Bowers A Fed. #CT25	30-025- 21964	29	-18S	-38E	E	1/67	PA	35	NA	NA	NA	NA	NA	NA	NA	NA

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

Well Name	API No.	Sec.	T	R	Un	Drill Date	Well Type	TD or PBT	Top Perf	Bot. Perf	Sqz. Perfs	Csg. Size	Hole Size	Depth	No. of Sxs.	TOC
Operator					Ltr											
Exxon																
Bowers A Fed. #CT26	30-025-21969	30 -18S	-38E	J	1/67	PA	35	NA	NA	NA	NA	NA	NA	NA	NA	NA
Exxon																
Bowers A Fed. #CT27	30-025-21970	30 -18S	-38E	H	1/67	PA	35	NA	NA	NA	NA	NA	NA	NA	NA	NA
Exxon																
WD Grimes #2	30-025-07455	29 -18S	-38E	A	2/48	PA	4045	NA	NA	NA	NA	8.625	11	242	150	CIRC**
Humble												5.5	7.375	3205	450	CIRC**
G.O. McKinley #3	30-025-07461	30 -18S	-38E	H	7/30	PA	3199	NA	NA	NA	NA	9.625	12.25	2755	600	337**
Marathon/Getty												7	8.25	3166	100	2995**
G.O. McKinley #6	30-025-07488	30 -18S	-38E	G	6/47	PA	3200	1453	NA	NA	NA	8.625	11	1474	400	CIRC**
Marathon/Getty												5.5	5.875	3178	200	CIRC**
G.O. McKinley #7	30-025-07489	30 -18S	-38E	B	7/47	PA	3224	NA	NA	NA	NA	8.625	11	1504	400	CIRC**
Marathon/Getty												5.5	6.5	3192	200	CIRC**
Hobbs State #5	30-025-23662	29 -18S	-38E	F	1/71	PA	5959	5813	5879	NA	NA	9.625	12.25	364	200	CIRC
Ne-O-Tex												7	8.75	3826	200	2250
												4.5	6.25	5986	120	3800 (C)
State-Northrup #1	30-025-07535	32 -18S	-38E	J	6/30	PA	3227	3140	3203	NONE	NONE	12.5	16	1482	175	1046**
Ohio Oil							PBTD					10.75	12.25	2776	200	2050**
												7	8.75	3850	275	CIRC
												5	7	3244	500	CIRC
WD Grimes #6	30-025-07428	28 -18S	-38E	F	11/47	PA	3325	NONE	NONE	NONE	NONE	9.625	13	441	300	CIRC**
Repollo/Sinclair												7	9	3185	800	CIRC**

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

Well Name	API No.	Sec.	T	R	Un	Drill Date	Well Type	TD or PBDT	Top Perf	Bot. Perf	Sqz. Perfs	Csg. Size	Hole Size	Depth	No. of Sxs.	TOC
Operator					Ltr											
WD Grimes #5	30-025- 07424	28 -18S	-38E	L	7/1/47	PA	3150	CMT	3191	3197	NONE	8.625	11	409	195	CIRC**
Shell												4.5	7.875	1958	600	CIRC**
WD Grimes #6	30-025- 12500	28 -18S	-38E	M	7/1/47	PA	3090		3155	3161	NONE	8.625	11	411	200	CIRC**
Shell							CMT					5.5	7.875	2778	1400	CIRC**
Grimes #8	30-025- 07423	28 -18S	-38E	L	9/1/47	PA	3120		3215	3221	NONE	8.625	11	402	200	CIRC**
Shell							CMT					4.5	7.875	2108	850	CIRC**
McKinley A #9	30-025- 12492	19 -18S	-38E	N	8/1/47	PA	3247		3205	3247	NA	8.625	11	407	200	CIRC**
Shell												4.5	7.875	3168	850	CIRC**
WD Grimes #5	30-025- 07426	28 -18S	-38E	E	10/1/47	PA	3222		3212	3222	NONE	9.625	13	441	300	CIRC**
Sinclair												7	9	3185	600	CIRC**
St #1	30-025- 07442	29 -18S	-38E	P	8/1/30	PA	4191		3150	4191	NA	13.375	17.5	217	200	CIRC**
Std of Tx										OH		9	12.25	2735	500	1473**
												6.625	7.875	3907	174	2374**
St #2	30-025- 07443	29 -18S	-38E	O	9/1/30	PA	4171		3155	4156	NA	13	17.5	225	150	CIRC**
Std of Tx												9.625	12.25	2810	725	CIRC**
												7	8.75	3951	300	1973**
WD Grimes #1	30-025- 07456	29 -18S	-38E	I	8/1/30	PA	4160		3168	3189	3259-61	12.5	17.5	236	200	CIRC**
Tidewater											3049-50	9.625	12.25	2712	600	273**
												6.625	8.75	3826	300	2404**
Grimes #2	30-025- 07457	29 -18S	-38E	H	10/1/30	PA	4176		3148	3255	3086-3088	15.5	18	230	200	CIRC**
Tidewater											3270-3272	9.625	12.25	2718	600	282**
												7	8.75	3880	300	1867**
												5.5	7.875	3350	100	3088**
Grimes #5	30-025- 07460	29 -18S	-38E	H	12/1/30	PA	4196		NA	NA	NA	12.5	16	214	250	CIRC

** Denotes calculated TOC with 50% efficiency

OFFSET WELLS WITHIN ONE HALF MILE OF PROPOSED INJECTORS

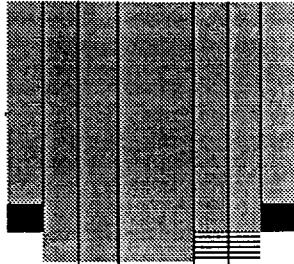
Well Name	API No.	Sec.	T	R	Un	Drill	Well	TD or	Top	Bot.	Sqz.	Csg.	Hole	Depth	No. of	
Operator					Ltr	Date	Type	PBTD	Perf	Perf	Perfs	Size	Size		Sxs.	TOC
Tidewater												9.625	12.25	2715	600	277**
												7	8.75	3911	400	595**

** Denotes calculated TOC with 50% efficiency

**WELL SCHEMATIC:
STD OF TX STATE #2**

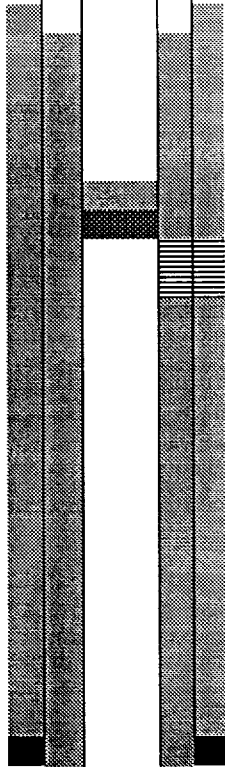
WELL PLUGGED:
12/5/89

Size: 13"
Depth: 225'
Hole size: 17.5"
Cmt: 150 sxs
TOC: Circ. - Calc.
With 50% effc.



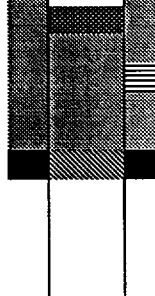
Sqzd perfs at 292' with 220
sx. Circ to surface

Size: 9 5/8"
Depth: 2810'
Hole size: 12.25"
Cmt: 725 sxs
TOC: Circ. - Calc.
With 50% effc.



Set cicr at 1404' and capped
With cmt.
Perf'd at 1500'.
Sqzd perfs at 1500' with 300
sx

Size: 7"
Depth: 3951'
Hole size: 8.75"
Cmt: 300 sxs
TOC: 1240' - Calc.
With 50% effc.



Set cicr at 2744'.

Perfs sqzd at 2852', sqzd
With 55 sx.
Dumped 35' cmt onto CIBP.
CIBP at 3072'

PBTD: 3072'

**WELL SCHEMATIC:
NE-O-TEX HOBBS STATE #5**

WELL PLUGGED:
5/11/73

Size: 9 5/8"
Depth: 364'
Hole size: 12.25"
Cmt: 200 sxs
TOC: Circ. - Calc.
With 50% effic.

Spotted 10' cmt plug at surf.

Size: 7"
Depth: 3826'
Hole size: 8.75"
Cmt: 200 sxs
TOC: 2250'

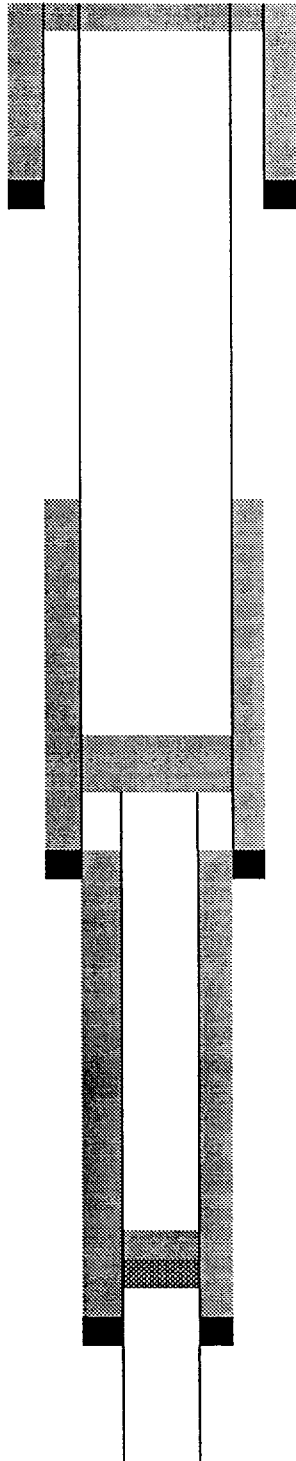
Shot and pulled csg at 3744'.
Pumped 255 sx cmt plug
From 3744' to 3644'.

Size: 4 1/2"
Depth: 5986'
Hole size: 6.25"
Cmt: 120 sxs
TOC: 3800' - Calc.
With 50% effic.

Set 4 1/2" CIBP at 5757' and
Capped with 35' cmt. Est.
TOC is 5722'.

PBTD: 5959'

TD: 5986'



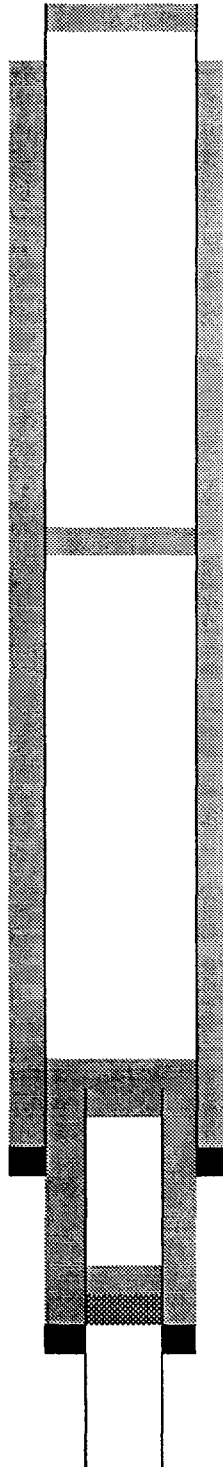
**WELL SCHEMATIC:
GETTY G.O. MCKINLEY #3**

WELL PLUGGED:
8/26/75

Size: 9 5/8"
Depth: 2755'
Hole size: 12.25"
Cmt: 600 sxs
TOC: 337' - Calc.
With 50% effc.

Size: 7"
Depth: 3166'
Hole size: 8.25"
Cmt: 100 sxs
TOC: 2595' - Calc.
With 50% effc.

TD: 3199'



Laid 10 sx cmt plug in top.

Laid 37 sx cmt plug from
1575' to 1475'.

Ran 2 3/8" tbg to 3000'.
Circulated hole with 123 bbls.
Brine water w/23 sx salt gel.
Pulled tbg.
Shot csg at 2547'. Pulled and
Laid down 84 joints(2555') 7"
Csg. Ran tbg to 2616' and
Laid 28sx cmt plug from
2616' to 2516'.

Set Titan CIBP at 3095'.
Dumped 7 sx cmt on top of
CIBP.

**WELL SCHEMATIC:
EXXON BOWERS A FED #33**

WELL PLUGGED:
10/3/72

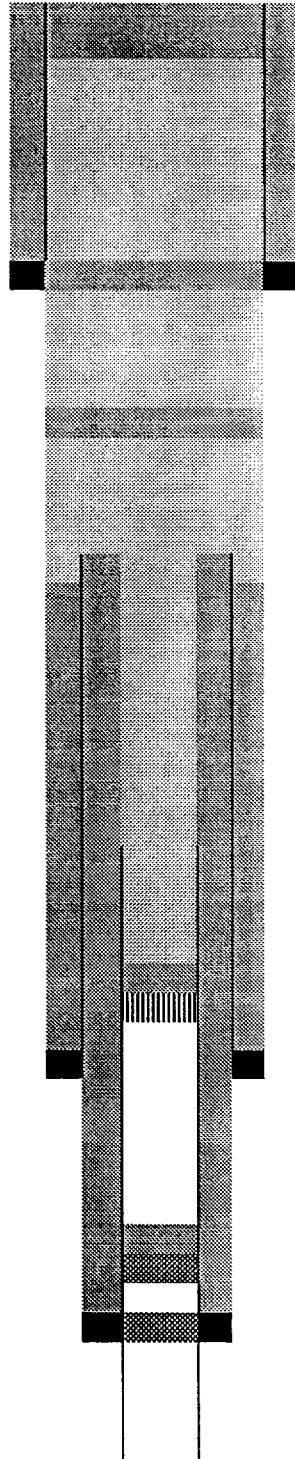
Size: 13 3/8"
Depth: 416'
Hole size: 17"
Cmt: 400 sxs
TOC: Circ. – Calc.
With 50% effic.

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'
cmt plug

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

Cut & pull 7" csg from 2560'

Spot 100' cmt on top of CIBP

Set CIBP at 5800' and
Capped with cmt.

Set CIBP at 5900'.

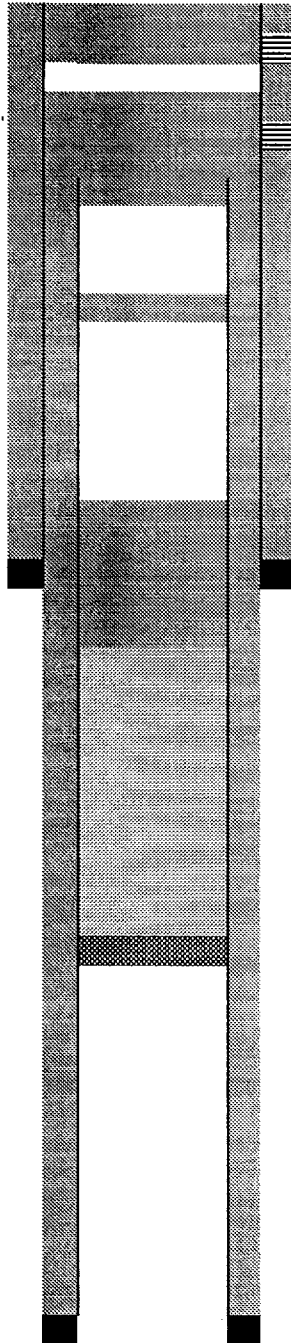
**WELL SCHEMATIC:
EXXON BOWERS A FED #31**

WELL PLUGGED:
8/30/90

Size: 8 5/8"
Depth: 3836'
Hole size: 11"
Cmt: 500 sxs
TOC: 1858' Calc.
With 50% effic.

Size: 5 1/2"
Depth: 7038'
Hole size: 7.875"
Cmt: 650 sxs
TOC: 3125' Calc.
With 50% effic.

TD: 7050'



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

Spotted 25 sx cmt plug at
2716'.

Spot 50 sx cmt from 4100' to
3600'.

Displaced hole with salt gel
Mud.

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

**WELL SCHEMATIC:
EXXON BOWERS AB FED #1**

WELL PLUGGED:
11/26/48

Size: 8 5/8"
Depth: 260'
Hole size: 11"
Cmt: 150 sxs
TOC: Circ. – Calc.
With 50% effc.

Spotted 20 sx cmt plug from
160' to surface.

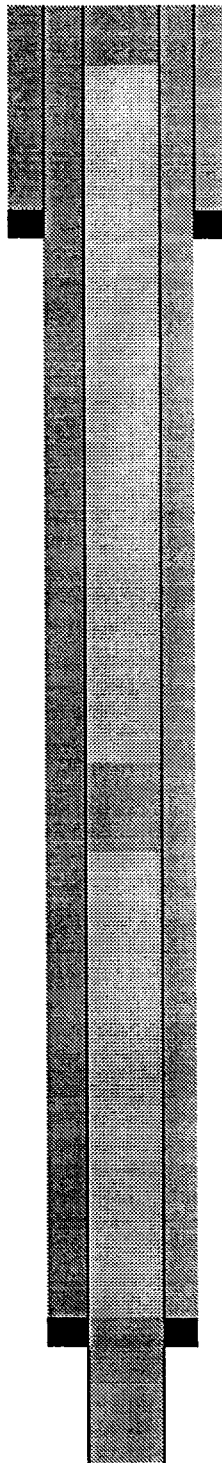
All intervals between plugs
Was filled with mud laden
Fluid.

Size: 5 1/2"
Depth: 3179'
Hole size: 7.625"
Cmt: 1050 sxs
TOC: Circ. – Calc.
With 50% effc.

Spotted 40 sx cmt plug from
1800' to 1480'.

TD: 3238'

Spotted 15 sx cmt plug from
3238' to 3136'.



**WELL SCHEMATIC:
EXXON BOWERS A FED #9**

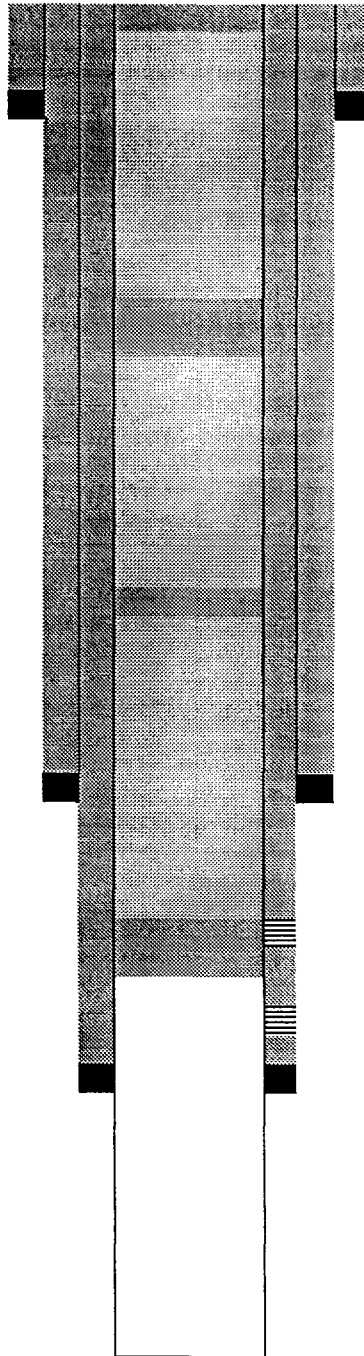
WELL PLUGGED:
12/3/70

12.5"
213'
650 SX
TOC: SURF (C)

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

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

TD: 4259'



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'.

Perf's at 3220'-3227'.

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

Squeezed perf's at 3726'
To 3741'.

**WELL SCHEMATIC:
EXXON BOWERS A #12**

WELL PLUGGED
11/21/80

8 5/8"
222'
100 sxs.
TOC:N.A.

8 5/8 and 5 5 1/2 csg cut off
7' below GL.. 1/2 " plate
welded on top.
10' cmt plug at surface.

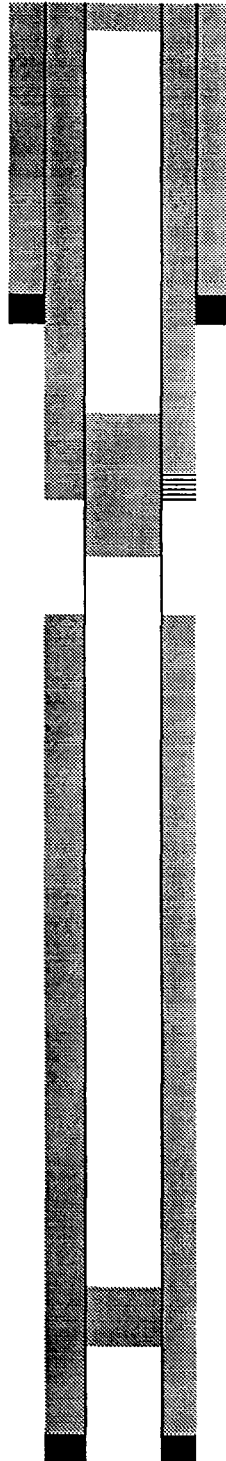
Cmt. Ret. set at 350'

Sqzd. Perfs at 390' with 100
sxs. cmt from 500' to 350'.
Circ. to surface.

5 5/8"
3132'
575 sxs.
TOC: 880' TS

PBTD: 3088'

10 sxs. Cmt plug 3088-2988



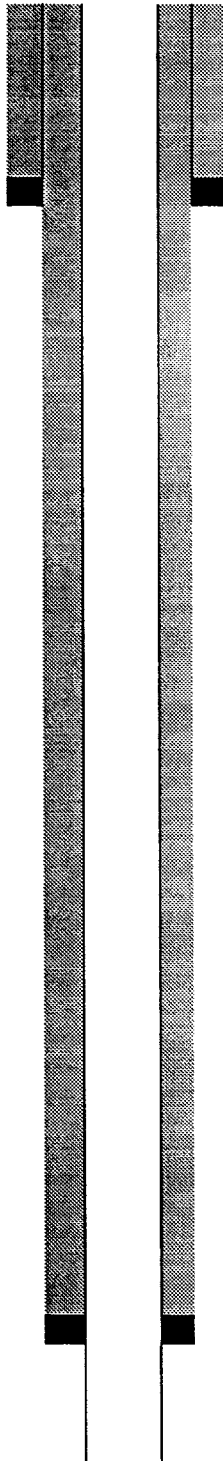
BOWERS A #14
Exxon
Unit O, 660 FSL & 660 FWL
Sec. 29, T-18S, R-38E

WELL PLUGGED:
12/21/70

Size: 8.625"
Depth: 496'
Hole size: 11"
Cmt: 400 sxs
TOC: CIRC- Calc.
with 50% effic.

Size: 5.5"
Depth: 3120'
Hole size: 7.625"
Cmt: 1350 sxs.
TOC: CIRC-Calc.
With 50% effic.

TD: 3207'



**WELL SCHEMATIC:
CONOCO STATE A #4**

WELL PLUGGED:
1/12/71

Size: 10 ¾"
Depth: 200'
Hole size: 15"
Cmt: 250 sxs
TOC: Circ. – Calc.
With 50% effc.

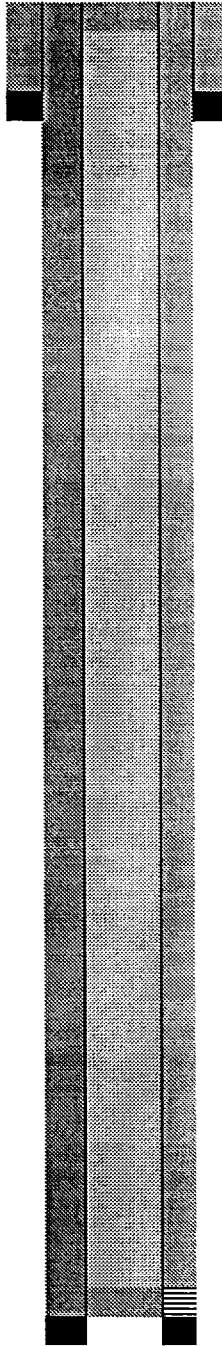
Spotted a 10 sx cmt plug at
Surface.

Filled well bore with 10# mud.

Size: 5 ½"
Depth: 3215'
Hole size: 7.875"
Cmt: 600 sxs
TOC: Circ. – Calc.
With 50% effc.

TD: 3215'

Set a 40 sx cmt plug over
Perfs from 3164' to 3197'.



**WELL SCHEMATIC:
CONOCO STATE A #5**

WELL PLUGGED:
1/12/71

Size: 10 3/4"
Depth: 272'
Hole size: 15"
Cmt: 200 sxs
TOC: Circ. - Calc.
With 50% effc.

Spotted a 10 sx cmt plug
At surface.

Filled well bore with 10# mud

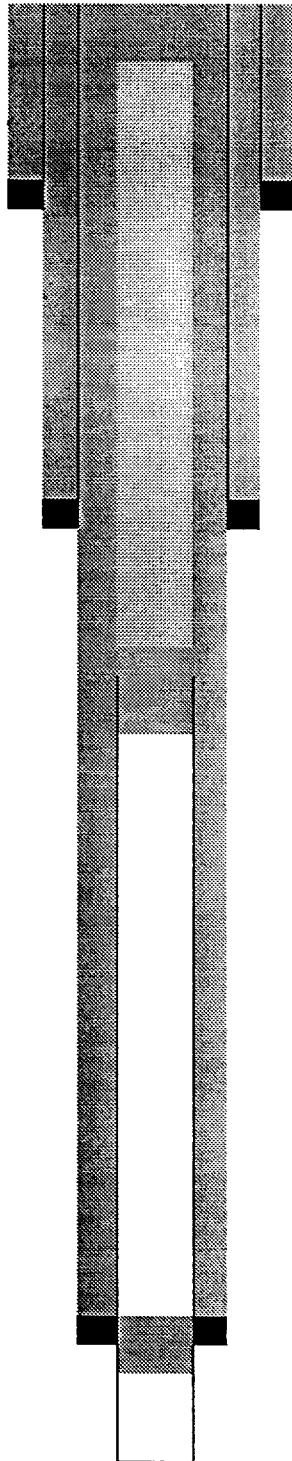
Size: 7 5/8"
Depth: 999'
Hole size: 9.875"
Cmt: 425 sxs
TOC: Circ. - Calc.
With 50% effc.

Cut 5 1/2" csg at 1570' and
Pulled out of hole. Set a 55
Sx cmt plug in and out of
5 1/2" stub.

Size: 5 1/2"
Depth: 3206'
Hole size: 7.875"
Cmt: 450 sxs
TOC: Circ. - Calc.
With 50% effc.

PBTD:3168'

Spotted 40 sx cmt plug over
Perfs from 3188' to 3168'.

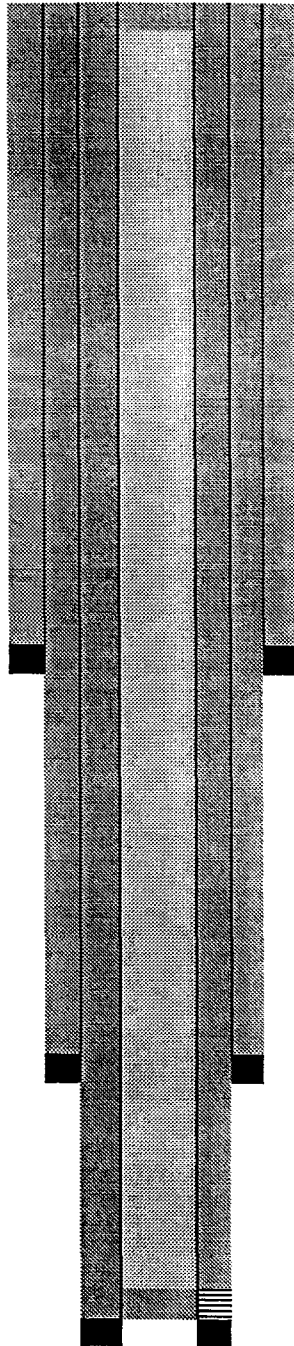


**WELL SCHEMATIC:
CONOCO STATE A #6**

WELL PLUGGED:
1/12/71

Size: 8 5/8"
Depth: 1562'
Hole size: 10.75"
Cmt: 475 sxs
TOC: Circ. – Calc.
With 50% effic.

Set a 10 sx cmt plug at surf.



Filled well bore with 10# mud.

Size: 7"
Depth: 2721'
Hole size: 8.25"
Cmt: 350 sxs
TOC: Circ. – Calc.
With 50% effic.

Size: 5"
Depth: 3168'
Hole size: 6.25"
Cmt: 500 sxs
TOC: Circ. – Calc.
With 50% effic.

Set a 40 sx cmt plug over
Perfs from 3166' to 3158'.

TD: 3172'

LIST OF OFFSET OPERATORS & SURFACE OWNERS

North Hobbs (Grayburg/San Andres) Unit
Well No. 231
Letter K, Section 29, T-18-S, R-38-E
Lea County, New Mexico

Offset Operators

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

Conoco Inc.
10 Desta Dr. West
Midland, TX 79705

Exxon Company, U.S.A.
Attn: Joint Interest Operations
P.O. Box 4707
Houston, TX 77210-4707

Texaco E&P Inc.
P.O. Box 3900
Midland, TX 79702

Collins & Ware, Inc.
508 W. Wall, Suite 1200
Midland, TX 79701

Marcum Drilling Co.
P.O. Box 3699
Midland, TX 79705

Rice Operating Co.
122 West Taylor
Hobbs, NM 88240

Texland Petroleum – Hobbs, LLC
500 Throckmorton, Suite 3100
Ft. Worth, TX 76102-3818

Surface Owners

Grimes Land Company
P.O. Box 5102
Hobbs, NM 88240

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:

Exxon Company, U.S.A.
Attn: Joint Interest Operations
P.O. Box 4707
Houston, TX 77210-4707

2. Article Number (Copy from service label)
7000 0520 0017 5308 9135

PS Form 3811, July 1999

Domestic Return Receipt

102595-99-M-1789

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:

Texaco E&P Inc.
P.O. Box 3900
Midland, TX 79702

2. Article Number (Copy from service label)
7000 0520 0017 5308 9159

PS Form 3811, July 1999

Domestic Return Receipt

102595-99-M-1789

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:

Texland Petroleum - Hobbs, LLC
500 Throckmorton, Suite 3100
Ft. Worth, TX 76102-3818

2. Article Number (Copy from service label)
7000 0520 0017 5308 9166

PS Form 3811, July 1999

Domestic Return Receipt

102595-99-M-1789

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:

Grimes Land Company
P.O. Box 5102
Hobbs, NM 88240

2. Article Number (Copy from service label)

7000 0520 0017 5308 9098

PS Form 3811, July 1999

Domestic Return Receipt

102595-99-M-1789

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) B. Date of Delivery

C. Signature

X☐ Agent
☐ AddresseeD. 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:

Rice Operating Co.
122 West Taylor
Hobbs, NM 88240

2. Article Number (Copy from service label)

7000 0520 0017 5308 9104

PS Form 3811, July 1999

Domestic Return Receipt

102595-99-M-1789

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) B. Date of Delivery

C. Signature

X☐ Agent
☐ AddresseeD. 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:

Marcum Drilling Co.
P.O. Box 3699
Midland, TX 79705

2. Article Number (Copy from service label)

7000 0520 0017 5308 9111

PS Form 3811, July 1999

Domestic Return Receipt

102595-99-M-1789

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) B. Date of Delivery

C. Signature

X☐ Agent
☐ AddresseeD. 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:

Collins & Ware, Inc.
508 W. Wall, Suite 1200
Midland, TX 79701

2. Article Number (Copy from service label)
7000 0520 0017 5308 9128

PS Form 3811, July 1999

Domestic Return Receipt

102595-99-M-1789

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) B. Date of Delivery

C. Signature

X☐ Agent
☐ AddresseeD. 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:

Conoco Inc.
10 Desta Dr. West
Midland, TX 79705

2. Article Number (Copy from service label)
7000 0520 0017 5308 9142

PS Form 3811, July 1999

Domestic Return Receipt

102595-99-M-1789

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) B. Date of Delivery

C. Signature

X☐ Agent
☐ AddresseeD. 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

December 31 1999
and ending with the issue dated

December 31 1999

Kathi Bearden

Publisher

Sworn and subscribed to before

me this 3rd day of

January 2000

Godi Benson

Notary Public.

My Commission expires
October 18, 2000
(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

December 31, 1999

Notice is hereby given of the application of Altura Energy LTD, Attn: Mark Stephens, P.O. Box 4294, Rm. 338-B, Houston, TX 77210-4294 (281/552-1158), to the Oil Conservation Division, New Mexico Energy, Minerals and Natural Resources Department, for approval of the following injection wells for the purpose of secondary recovery:

Pool Name: Hobbs; Grayburg-San Andres
Lease/Unit Name: North Hobbs G/SA Unit
Well No. 231
Loc.: 2310' FSL & 2310' FWL, Unit Letter K, Sec. 19, T-18-S, R-38-E, Lea Co., NM
Well No. 422
Loc.: 2310' FNL & 330' FWL, Unit Letter H, Sec. 24, T-18-S, R-37-E, Lea Co., NM
Well No. 431
Loc.: 2310' FSL & 330' FEL, Unit Letter I, Sec. 25, T-18-S, R-37-E, Lea Co., NM
Well No. 131
Loc.: 2310' FSL & 330' FWL, Unit Letter L, Sec. 28, T-18-S, R-38-E, Lea Co., NM
Well No. 332
Loc.: 2470' FNL & 1800' FEL, Unit Letter G, Sec. 28, T-18-S, R-38-E, Lea Co., NM
Well No. 231
Loc.: 2310' FSL & 1650' FWL, Unit Letter K, Sec. 29, T-18-S, R-38-E, Lea Co., NM
Well No. 321
Loc.: 2310' FNL & 1650' FEL, Unit Letter G, Sec. 29, T-18-S, R-38-E, Lea Co., NM
Well No. 223
Loc.: 1770' FNL & 2405' FWL, Unit Letter F, Sec. 30, T-18-S, R-38-E, Lea Co., NM
Well No. 411
Loc.: 330' FNL & 3300' FEL, Unit Letter A, Sec. 30, T-18-S, R-38-E, Lea Co., NM
Well No. 211
Loc.: 440' FNL & 2310' FWL, Unit Letter C, Sec. 31, T-18-S, R-38-E, Lea Co., NM
Well No. 144
Loc.: 765' FSL & 1175' FWL, Unit Letter M, Sec. 32, T-18-S, R-38-E, Lea Co., NM
Well No. 312
Loc.: 210' FNL & 1400' FEL, Unit Letter B, Sec. 32, T-18-S, R-38-E, Lea Co., NM
Well No. 431
Loc.: 2310' FSL & 330' FEL, Unit Letter I, Sec. 32, T-18-S, R-38-E, Lea Co., NM
Well No. 111
Loc.: 330' FNL & 330' FWL, Unit Letter D, Sec. 33, T-18-S, R-38-E, Lea Co., NM
Well No. 211
Loc.: 330' FNL & 2310' FWL, Unit Letter C, Sec. 33, T-18-S, R-38-E, Lea Co., NM

The injection formation is the Hobbs; Grayburg - San Andres Pool between the intervals of +/- 3700' and +/- 5300' below the surface of the ground. Expected maximum injection rate is 4000 BWPD and the expected maximum injection pressure is approximately 805 psi. Interested parties must file objections or requests for hearing with the Oil Conservation Division, 2040 S. Pacheco, Santa Fe, NM 87505 within fifteen (15) days.
#17073

02101173000

02533892

altura

P. O. Box 4294

Houston, TX 77210-4294

PMX-207



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

9/18/00

GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC _____
DHC _____
NSL _____
NSP _____
SWD _____
WFX _____
PMX X _____

Gentlemen:

I have examined the application for the:

Occidental Permian Ltd N Hobbs GB/SA Unit # 231-K-29-18s-38e
Operator Lease & Well No. Unit S-T-R 30-025-07438

and my recommendations are as follows:

OK

Yours very truly,

Chris Williams
Supervisor, District 1

/ed