

DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.
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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 * Amend Order No. PMX-89

[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.

David Catanach
 Print or Type Name

Signature

Agent-Occidental Permian Ltd.
 Title

BEFORE THE OIL CONSERVATION
 COMMISSION
 Santa Fe, New Mexico
 Exhibit No. 2
 Submitted by: OXY
 Hearing Date: May 9, 2013

drcatanach@netscape.com
 E-Mail Address

December 21, 2012

Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Attention: Ms. Jami Bailey, CPG
Division Director

Re: Form C-108:
Application to Amend Order No. PMX-89
North Hobbs G/SA Unit No. 431 (API No. 30-025-05445)
1640' FSL & 1000' FEL, Unit I, Section 13, T-18S, R-37E
Lea County, New Mexico

Dear Ms. Bailey,

By Order No. R-6199-B dated 10/22/2001, the Division authorized Occidental Permian Ltd. ("Occidental") to institute a CO2 tertiary recovery project within a portion of the North Hobbs Grayburg San Andres Unit ("Unit") by the injection of water, CO2 and produced gas into the Grayburg and San Andres formations, Hobbs Grayburg-San Andres Pool.

By this application, Occidental is seeking administrative approval to amend Division Order No. PMX-89 dated August 26, 1980 to authorize the injection of **CO2 and produced gas** within the above-described North Hobbs G/SA Unit No. 431 and thereby expand CO2 injection operations within the Unit. This well is currently authorized by Order No. PMX-89 for water injection only.

Please note that the North Hobbs G/SA Unit No. 431 was recently re-surveyed and it was determined that the original well location reported to the Division, which was 1650 feet from the South line and 990 feet from the East line of Section 13, was in error. The actual well location has been determined to be 1640 feet from the South line and 1000 feet from the East line. A C-101 and C-103 has been submitted to the OCD Hobbs office correcting the well location.

I believe that all the information necessary to approve the requested amendment is enclosed. If additional information is needed, please contact me at (505) 690-9453.

Sincerely,

David Catanach-Agent
Occidental Permian Ltd.
P.O. Box 4294
Houston, Texas 77210

Xc: OCD-Hobbs

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery ☒ Pressure Maintenance _____ Disposal _____ Storage
Application qualifies for administrative approval? ☒ Yes _____ No
- II. OPERATOR: _____ Occidental Permian Ltd. (157984)
ADDRESS: _____ P.O. Box 4294, Houston, Texas 77210
CONTACT PARTY: _____ David Catanach _____ PHONE: (505) 690-9453
- 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 dated 10/22/2001. *Application seeks to amend PMX-89 to allow the injection of CO2 and produced gas within the NHGSAU Well No. 431.
- 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: _____ David Catanach _____ TITLE: Agent for Occidental Permian, Ltd.
SIGNATURE: _____ DATE: _____
E-MAIL ADDRESS: drcatanach@netscape.com
- * 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: OCD Hearing in Case No. 12722 presented on 9/6/2001.
- 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, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

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

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.

C-108 Application
Occidental Permian Ltd.
Application to Amend Division Order No. PMX-89
North Hobbs G/SA Unit Well No. 431
Section 13, T-18S, R-37E, NMPM
Lea County, New Mexico

- I. The purpose of the application is to request approval to amend Division Order No. PMX-89 allowing the injection of CO₂ and produced gas within the following-described well previously permitted for water injection only within the North Hobbs Grayburg San Andres Unit Pressure Maintenance Project:

North Hobbs G/SA Unit No. 431 (API No. 30-025-05445) 1640' FSL & 1000' FEL (Unit I) Section 13, T-18S, R-37E. (Originally permitted for injection by Order No. PMX-89 dated 8/26/80).
- II. Occidental Permian Ltd. (157984)
P.O. Box 4294
Houston, Texas 77210
Contact Party: David Catanach-Agent (505) 690-9453
- III. Injection well data sheet/wellbore schematic diagram is attached.
- IV. This is an expansion of the North Hobbs Grayburg San Andres Unit Tertiary Recovery Project approved by Division Order No. R-6199-B dated 10/22/2001.
- V. A map showing all wells/leases within a 2-mile radius of the North Hobbs G/SA Unit Well No. 431 is attached. Also attached is a more detailed map showing the ½-mile Area of Review ("AOR") for the North Hobbs G/SA Unit Well No. 431.
- VI. Most of the AOR well data relative to this well was presented to the Division in Case No. 12722 on September 6, 2001. The attached AOR well list shows: i) a list of wells that were presented in Case No. 12722. Since well construction data was previously submitted for these wells, it is not presented in this application; ii) a list of wells and well construction data for those wells that were drilled subsequent to 2001; and iii) a list of wells and plugging schematics for AOR wells that were presented in Case No. 12722, but have since been plugged. This well data indicates that all subsequently drilled wells and all subsequently plugged wells within the AOR are constructed and/or plugged so as to preclude migration of fluid from the proposed injection interval.
- VII. 1. The Average Injection Rate: N/A.
The maximum injection rate is anticipated to be approximately 9,000 BWPD/15,000 MCFGPD*. (* In accordance with Order No. R-6199-B)

2. This will be a closed system.

3. The Average Surface Injection Pressure: N/A
Maximum Surface Injection Pressures:
Produced Water: 1100 psi **
CO2: 1250 psi **
CO2 / Produced Gas: 1770 psi **
<will not exceed 2400 psi bottomhole pressure>
(** In accordance with Order No. R-6199-B)
4. Source Water: San Andres Produced Water.
(Mitchell Analytical Laboratory analysis attached)
5. Injection is to occur into the Grayburg and San Andres formations, Hobbs
Grayburg-San Andres Pool.
- VIII. Extensive Grayburg-San Andres geologic data and extensive information
regarding underground sources of drinking water has previously been presented to
the Division.
- IX. Acid treatment of injection interval may be performed during well workover
(approximately 2000 gal. of 15% HCL).
- X. Logs were filed at the time of drilling.
- XI. Attached is a water analysis from a fresh water well located in Section 19, T-18
South, Range 38 East.
- XII. Affirmative statement is attached.
- XIII. Proof of notice is attached.

**Injection Well Data Sheet/
Wellbore Schematic**

Occidental Permian Ltd.
North Hobbs G/SA Unit No. 431
API No. 30-025-05445
1640' FSL & 1000' FEL (Unit I)
Section 13, T-18 South, R-37 East, NMPM
Lea County, New Mexico
Date Drilled: October, 1935

**16" Hole; Set 12 ½" 50# csg. @ 264'.
 Cemented w/220 Sx.
 Cement circulated to surface**

**12" Hole; Set 9 5/8" 36# csg. @ 1,591'
 Cemented w/ 630 Sx.
 Cement circulated to surface.**

**TOC @ 3,290'
 by CBL**

**2 7/8" Duoline (Fiberglass Lined)
 Arrowset 1X Packer @ 4,061' & Isolation
 Packer @ 4,124'**

**8 3/4" Hole; Set 7" 24# Csg. @ 3,960'
 Cemented w/160 Sx.
 TOC @ 3,290' by CBL**

Current Perforations: 4,163'-4,246'

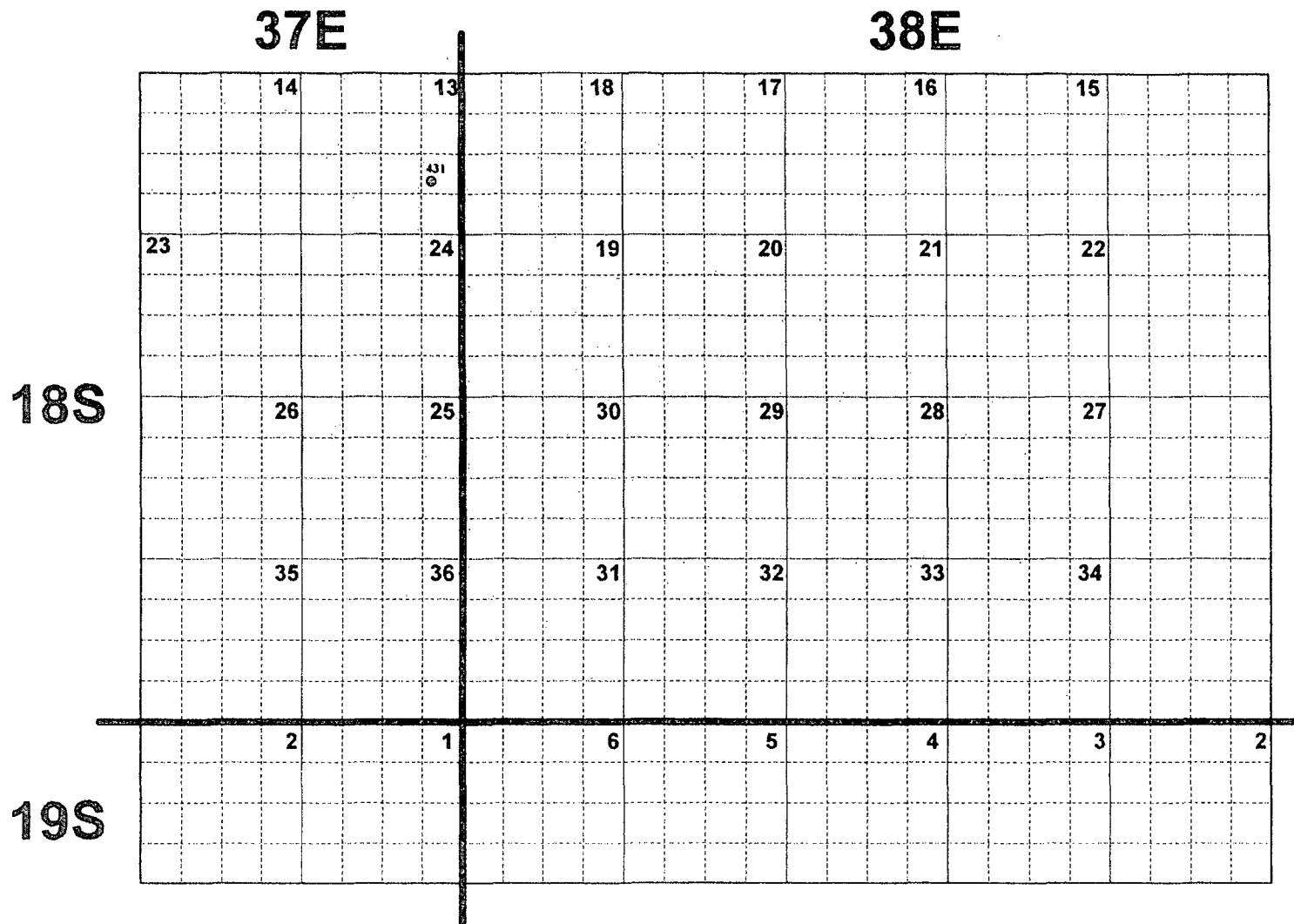
Proposed Injection Interval: Perforated & Open-hole from 4,000'-4,365'

**6 ¼" Hole; Set 4 ½" 11.6# Liner 3,867'-4,299'
 Cemented w/100 Sx. TOC @ Liner Top**

**TD 4,365'
 (Proposed)**

- | | |
|---|--|
| 1. Name of the Injection Formation: | San Andres |
| 2. Name of Field or Pool: | Hobbs-Grayburg San Andres Pool |
| 3. Is this a new well drilled for injection?
If no, for what purpose was the well originally drilled? | No. Well was originally drilled as a producing well. |
| 4. Has the well ever been perforated in any other zones? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) | None |
| 5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area. | Bowers (Queen), +/- 3,306'
Glorieta, +/- 5,410' |

Note: Current perforations are 4,163'-4,246'. Current TD is 4,300' and current PBDT is 4,251'. It is proposed to deepen the well to 4,365' and eventually inject into the entire interval from 4,000'-4,365'. Consequently, Oxy requests that the permitted injection interval comprise the perforated and open-hole section from 4,000'-4,365'.



North Hobbs G/SA Unit Boundary



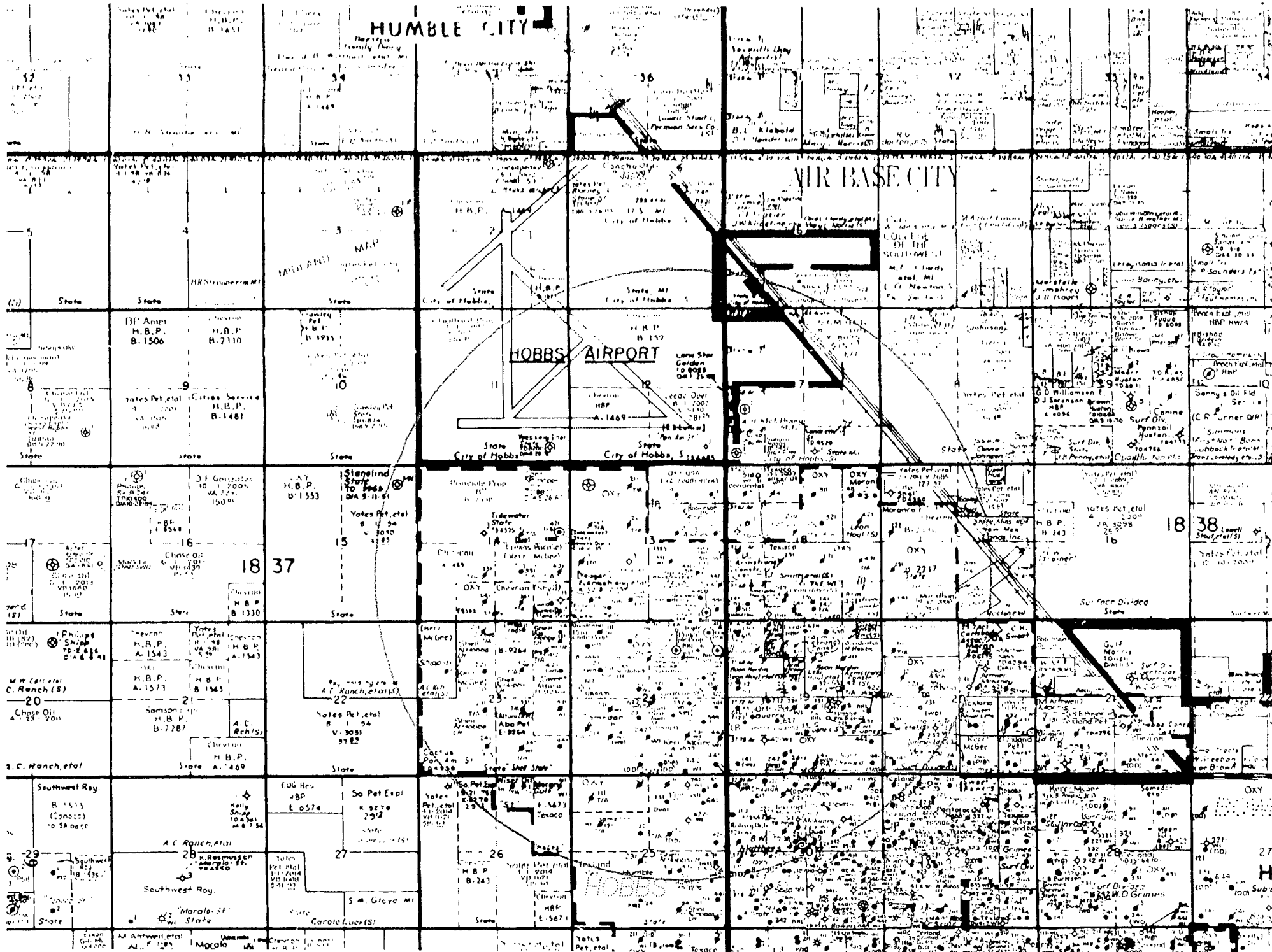
Subject Injection Well

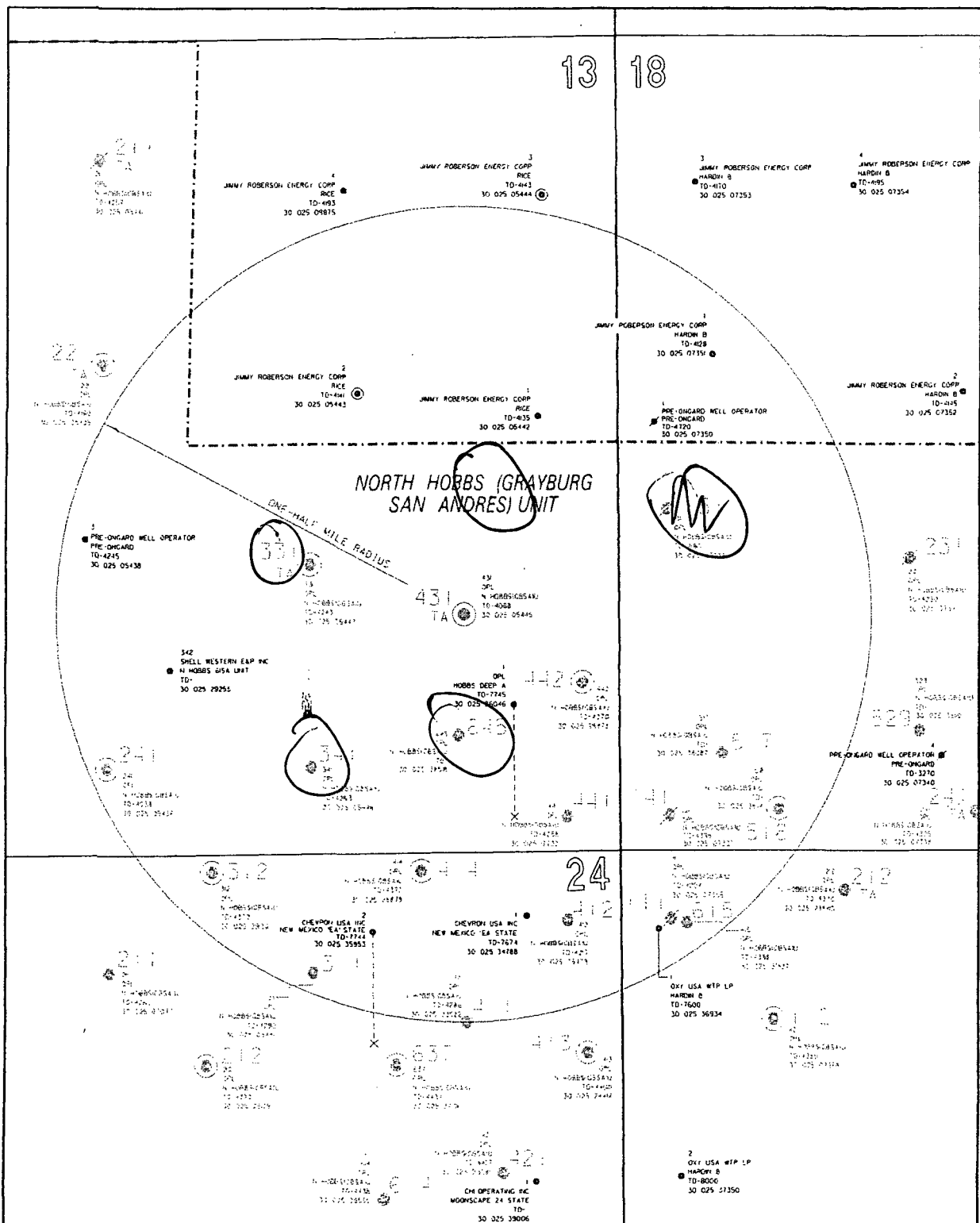
Form C-108; Application to Amend Order No. PMX-89
North Hobbs G/SA Unit No. 431
Occidental Permian Ltd.

HUMBLE CITY

AIR BASE CITY

HOBBS AIRPORT





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



Occidental Permian Ltd.

Area of Review Plot

NORTH HOBBS (GRAYBURG SAN ANDRES) UNIT

WELL NO. 13-431

Hobbs: Grayburg - San Andres Field
Lea County, New Mexico

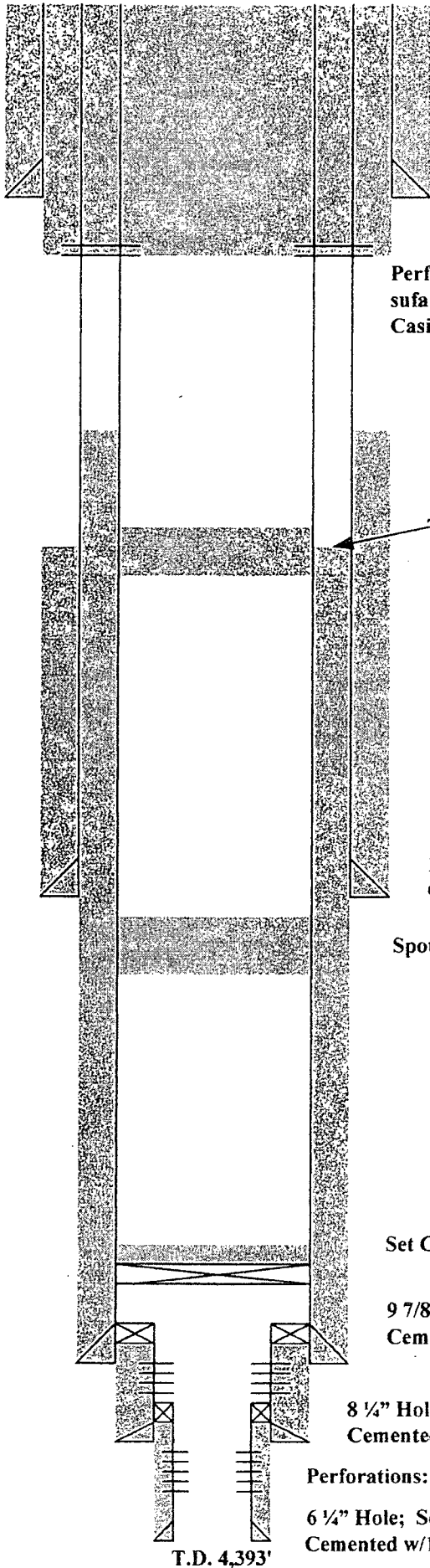
Scale: 1" = 600' 10-29-2012 north_hobbs.dwg
Plot prepared by BWE
For Horizon Survey, Inc.

**OCCIDENTAL PERMIAN LTD.
UPDATED AREA OF REVIEW WELL LIST
NORTH HOBBS G/SA UNIT NO. 431**

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. IN/3	N/S	FTG. E/W	UNIT	SEC.	TSHP	RNG.	DATE DRILLED	TOTAL DEPTH	HOLE SIZE	CSG. SIZE	SET AT	SX. CMT.	CMT. TOP	MTD.	HOLE SIZE	CSG. SIZE	SET AT	SX. CMT.	CMT. TOP	MYD	COMPLETION	REMARKS	
30-025-07350	Humble Oil & Refining	Hardin	1	P	PA	2310'	N	330'	W	E	18	18S	38E																
30-025-07339	Occidental Permian Ltd.	NHGS AU	131	P	PA	2310'	S	330'	W	L	18	18S	38E																
30-025-07356	Occidental Permian Ltd.	NHGS AU	111	P	PA	330'	N	330'	W	D	19	18S	38E																
30-025-05479	Occidental Permian Ltd.	NHGS AU	412	P	Active	330'	N	330'	E	A	24	18S	37E																
30-025-34788	Chevron USA, Inc.	New Mexico EA St.	1	P	Active	410'	N	610'	E	A	24	18S	37E																
30-025-23522	Occidental Permian Ltd.	NHGS AU	411	P	Active	990'	N	990'	E	A	24	18S	37E																
30-025-28879	Occidental Permian Ltd.	NHGS AU	414	I	Active	10'	N	1280'	E	A	24	18S	37E																
30-025-05481	Occidental Permian Ltd.	NHGS AU	311	P	Active	660'	N	1980'	E	B	24	18S	37E																
30-025-29130	Occidental Permian Ltd.	NHGS AU	312	I	Active	10'	N	2630'	E	B	24	18S	37E																
30-025-05438	Continental Oil Co.	State B-13	3	P	PA	1980'	S	1980'	W	K	13	18S	37E																
30-025-05436	Occidental Permian Ltd.	NHGS AU	241	I	Active	660'	S	1980'	W	N	13	18S	37E																
30-025-29255	Shell Western E & P	NHGS AU	342	N/A	ND	1200'	S	2500'	E	O	13	18S	37E																
30-025-05447	Occidental Permian Ltd.	NHGS AU	331	I	Active	1980'	S	1980'	E	J	13	18S	37E																
30-025-05446	Occidental Permian Ltd.	NHGS AU	341	P	Active	660'	S	1980'	E	O	13	18S	37E																
30-025-28878	Occidental Permian Ltd.	NHGS AU	442	I	Active	1200'	S	220'	E	P	13	18S	37E																
30-025-12732	Occidental Permian Ltd.	NHGS AU	441	I	Active	330'	S	330'	E	P	13	18S	37E																
Well construction data and/or plugging diagrams for wells in this section was previously submitted to the NMOCD in Case No. 12722 heard on September 6, 2001. NMOCD required no remedial work on these wells.																													
30-025-38087	Occidental Permian Ltd.	NHGS AU	517	P	Active	635'	S	860'	W	M	18	18S	38E	Nov-06	4,440'	26"	16"	40'	100	Surface	Circ.	12 1/4"	8 5/8"	1,520'	750	Surface	Circ.	4,167'-4,292' Perf.	DV Tool @ 3,484'. 1st-250; 2nd-650 Both circulated.
30-025-38114	Occidental Permian Ltd.	NHGS AU	518	I	Active	275'	S	1030'	W	M	18	18S	38E	Dec-06	4,468'	26"	16"	40'	100	Surface	Circ.	12 1/4"	8 5/8"	1,509'	800	Surface	Circ.	4,188'-4,342' Perf.	DV Tool @ 3,523'. 1st-250; 2nd-700 Both circulated.
30-025-37127	Occidental Permian Ltd.	NHGS AU	615	P	Active	469'	N	402'	W	D	19	18S	38E	Apr-05	4,398'	26"	16"	40'	100	Surface	Circ.	12 1/4"	8 5/8"	1,543'	900	Surface	Circ.	4,160'-4,330' Perf.	DV Tool @ 3,498'. 1st-250; 2nd-700 Both circulated.
30-025-36934	OXY USA WTP Ltd.	B Hardin	1	P	Active	410'	N	348'	W	D	19	18S	38E	Nov-04	7,866'	12 1/4"	8 5/8"	1,508'	675	Surface	Circ.	7 7/8"	5 1/2"	7,600'	2,985	Surface	Circ.	7,118'-7,536' Perf.	DV Tools @ 6,987' & 3,530'. 1st-825; 2nd-2160. Both circulated.
30-025-35953	Chevron USA, Inc.	New Mexico EA St.	2	P	Active	330'	N	1733'	E	B	24	18S	37E	Aug-02	7,744'	14 3/4"	11 3/4"	415'	300	Surface	Circ.	11"	8 5/8"	2,858'	970	Surface	Circ.	6,524'-7,500' O.H.	Tubbs/Drinkard/Abo Completion
30-025-38518	Occidental Permian Ltd.	NHGS AU	645	P	Active	780'	S	1045'	E	P	13	18S	37E	Nov-06	4,396'	26"	16"	40'	100	Surface	Circ.	12 1/4"	8 5/8"	1,518'	750	Surface	Circ.	4,150'-4,280' Perf.	DV Tool @ 3,462'. 1st-250; 2nd-650 Both circulated.
30-025-36046	Occidental Permian Ltd.	Hobbs Deep A	1	P	Active	990'	S	660'	E	P	13	18S	37E	Nov-02	7,640'	26"	16"	40	200	Surface	Circ.	13 3/4"	9 5/8"	1,545'	1000	Surface	Circ.	3,234'-3,278' Perf.	DV Tool @ 3,492'. 1st-675; 2nd-800 Both circulated.
30-025-07337	Occidental Permian Ltd.	NHGS AU	141	P	PA	330'	S	330'	W	M	18	18S	38E	Mar-32	4,395'	20"	16"	222'	250	Surface	File	15"	10 3/4"	2,781'	450	1,656'	File	3,953'-4,260' Perf.	PA'd 11/2001. Schematic Attached
30-025-05442	Jimmy Roberson Energy	Rice	1	I	PA	2310'	N	330'	E	H	13	18S	37E	Feb-56	4,135'	11"	8 5/8"	249'	150	Surface	Circ.	7 7/8"	5 1/2"	4,018'	350	2,240'	Calc.	4,018'-4,035' O.H.	PA'd 6/2004. Schematic Attached
30-025-05443	Jimmy Roberson Energy	Rice	2	P	PA	2310'	N	1850'	E	G	13	18S	37E	Jul-56	4,141'	11"	8 5/8"	270'	200	Surface	Circ.	7 7/8"	5 1/2"	4,035'	300	2,511'	Calc.	4,035'-4,141' O.H.	PA'd 6/2004. Schematic Attached
30-025-07351	Jimmy Roberson Energy	Hardin B	1	P	PA	1980'	N	621'	W	E	18	18S	38E	Sep-57	4,128'	12 1/2"	8 5/8"	338'	200	Surface	Circ.	7 7/8"	5 1/2"	4,126'	1850	Surface	Circ.	4,020'-4,098' Perf.	5 1/2" csg. stage crnt. 1st-475; 2nd-1,375; DV Tool @ 2,789. PA'd 6/2004. Schematic Attached

Occidental Permian Ltd.
 North Hobbs G/SA Unit No. 141
 API No. 30-025-07337
 330' FSL & 330' FWL Unit M
 Section 18, T-18S, R-38E
 Type Well: Producer

Date Drilled: 3/32
 Date PA'd: 11/01



20" Hole; Set 16" csg
 @ 222' Cemented w/250 sx.
 Cement circulated to surface

Perforate @ 270' & circulate cement to
 surface behind the 8 5/8" & 10 3/4" casing.
 Casing full of cement from 270' to surface

TOC @ 1,656'

TOC @ 2,133'

Spot cement plug 1,950'-2,150' (Tagged)

15" Hole; Set 10 3/4" csg. @ 2,781'
 Cemented w/450 sx. TOC @ 1,656' (Well file)

Spot 110 sx. cement plug over bad casing 2,869'-3,100'

Set CIBP @ 3,870 w/35' cement on top

9 7/8" Hole; Set 8 5/8" csg. @ 3,925'
 Cemented w/275 sx. TOC @ 2,133' (Well file)

8 1/4" Hole; Set 6 5/8" Liner 3,859'-4,146'
 Cemented w/50 Sx. TOC @ Liner Top

Perforations: 3,953'-4,260'

6 1/4" Hole; Set 4 1/2" Liner 4,086'-4,393'
 Cemented w/100 Sx. TOC @ Liner Top

T.D. 4,393'

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I

1625 N. French Drive, Hobbs, NM 88240

OIL CONSERVATION DIVISION

310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87503

WELL API NO.	30-025-07337
5. Indicate Type of Lease	FED <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	NORTH HOBBS (G/SA) UNIT
Section	18
8. Well No.	141
9. Pool name or Wildcat	HOBBS (G/SA)
4. Well Location	Unit Letter <u>M</u> <u>330</u> Feet From The <u>SOUTH</u> Line and <u>330</u> Feet From The <u>WEST</u> Line
	Section <u>18</u> Township <u>18-S</u> <u>38-E</u> NMPM LEA County
10. Elevation (Show whether DF, RKB, RT GR, etc.)	3673' GL

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101 FOR SUCH PROPOSALS.)

1. Type of Well:	Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other Temporary Abandoned
2. Name of Operator	OCCIDENTAL PERMIAN, LTD.
3. Address of Operator	1017 W STANOLIND RD.
4. Well Location	Unit Letter <u>M</u> <u>330</u> Feet From The <u>SOUTH</u> Line and <u>330</u> Feet From The <u>WEST</u> Line
	Section <u>18</u> Township <u>18-S</u> <u>38-E</u> NMPM LEA County
10. Elevation (Show whether DF, RKB, RT GR, etc.)	3673' GL

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG & ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Well is TA'd with CIBP @3870' capped w/35' cmt. TOC @3835'.
CMT plug over bad csg @2869' to 3100'.

Perforate @270' thru 8-5/8" csg and the 10-3/4".
Spot cmt from 1950' to 2150'. Top of Anhy @2040'.
Tag cmt plug. @1950'.
Circ cmt to surf behind 8-5/8" and 10-3/4" csg. Pump from surf thru sqz holes @270'. Bottom of surf csg @222'.
Csg full of cmt from 270' to surf.
Cut off csg and installed dry hole marker 4' above ground level. NHU 18-141, UL "M", Sec. 18, TWN 18-S, RNG 38-E.

Well is P&A'd

Rig Up Date: 11/07/2001
Rig Down Date: 11/09/2001

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Robert Gilbert TITLE COMPLETIONS SPECIALIST DATE 11/15/01
TYPE OR PRINT NAME ROBERT GILBERT TELEPHONE NO. 505/397-8206

(This space for State Use)

APPROVED BY [Signature] TITLE [Signature] DATE 2-14-02
CONDITIONS OF APPROVAL IF ANY: GWW



to Appropriate
District Office



Energy, Minerals and Natural Resources Department



Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

OIL CONSERVATION DIVISION

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

WELL API NO. 30-025-07337
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name N. HOBBS (G/SA) UNIT SECTION 18
8. Well No. 141
9. Pool name or Wildcat HOBBS (G/SA)

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	2. Name of Operator Shell Western E&P Inc.
3. Address of Operator P.O. Box 576 Houston, TX 77001-0576	4. Well Location Unit Letter <u>M</u> : <u>330</u> Feet From The <u>SOUTH</u> Line and <u>330</u> Feet From The <u>WEST</u> Line Section <u>18</u> Township <u>18S</u> Range <u>38E</u> NMPM LEA County
10. Elevation (Show whether DP, RKB, RT, GR, etc.) 3673' DF	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER: <input type="checkbox"/>
12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.	

1-24 TO 2-04-94:

POH W/PROD EQMT. SET CIBP @ 3870' & CAPPED W/35' CMT. PT CSG TO 500#, BLED OFF 300# IN 5 MIN. SET PKR @ 3792'. PRESS UP ON TBG TO 500#, BLED DWN TO 300# IN 1 MIN. REPEATED SEVERAL TIMES, SAME RESULTS. ATTEMPTD TO PT CSG AGAIN, COMM AROUND PKR. PULL PKR UPHOLE, COMM AGAIN. CHNG OUT PKR. STILL COMM AROUND PKR. RIH W/NEW PKR W/LARGER SEATING ELEMENTS. SET PKR @ 3792'. PRESS UP ON TBG TO 500#, HELD. ADDL PT UPHOLE. ISOLATED CSG LK BTW 2909' & 2972'. REL PKR & POH. RIH W/TBG TO 3100'. SPOT BALANCE PLUG OF 110 SX CLS C CMT. WOC 24 HRS. TAG TOC @ 2869'. PT CSG TO 500#, HELD 30 MIN. CIRC INHIB FL. TOP OFF CSG W/INHIB FL. FLANGE UP WH. CLN LOC. WELL IS TA'D.

NOTE: OBTAINED APPROVAL FROM OCD'S JERRY SEXTON TO SPOT BALANCE PLUG.

PURSUANT TO THE PROVISIONS OF NMOC RULE 203, SHELL WESTERN HEREBY REQUESTS TEMPORARY ABANDONMENT APPROVAL FOR A PERIOD OF FIVE YEARS.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE J. M. Durran TITLE TECH. MGR. - ASSET ADMIN. DATE 2/18/94

TYPE OR PRINT NAME A. J. DURRANI

TELEPHONE NO. 713/544-3797

(This space for State Use)

APPROVED BY

TITLE

DISTRICT 1 SUPERVISOR

DATE

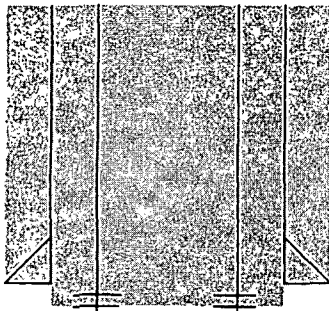
FEB 24 1994

CONDITIONS OF APPROVAL, IF ANY:

This Approval of Temporary
Abandonment Expires

2-1-99-14

Jimmy Roberson Energy Corp.
Rice No. 1
API No. 30-025-05442
2310' FNL & 330' FEL, Unit H
Section 13, T-18S, R-37E
Type Well: Injector



11" Hole; 8 5/8" csg. set @ 249'
 Cemented w/150 sx.
 Cement circulated to surface

Date Drilled: 2/56

Date PA'd: 6/04

Perforate @ 270'. Squeeze 80 sx. cement
 to surface

Perforate @ 1,605'. Spot 25 sx. cement plug 1,455'-1,655'

TOC @ 2,240' by calculation

Spot 25 Sx. cement plug 2,500'-2,740'

Set CIBP @ 3,980'. Spot 25 Sx. cement plug 3,780'-3,980'

7 7/8" Hole; 5 1/2" csg. set @ 4,018'
 Cemented w/350 Sx. TOC @ 2,240' by calculation.

Open hole producing interval: 4,018'-4,135'

T.D. 4,135'

MAYO MARRS CASING PULLING INC.
BOX 863 KERMIT, TEXAS 79745

NEW MEXICO OCD

SUPERVISOR-FRANK RIVAS

Lease: RICE
Well: # 1
Operator: JIMMY ROBERSON ENERGY
Project: P & A -
Contract: 04-521-0750-0275 IFB # 40-521-07-00509

BID = \$ 13,885.00

06-09-04 (9 HRS)
MIRU - NDWH - NUBOP - NO TUBING IN WELL - RIH WITH GAUGE RING TO 3980' - POOH - RIH & SET
CIBP @ 3980' - RIH WITH MMCPI WORKSTRING TO 3980' - CLOSE IN WELL

6-10-04 (12)
CIR. 10# MUD - CLOSE BOP & TEST CASING TO 1200# - SPOT 25 SXS @ 3980'-3780' - POOH & SPOT 25
SXS @ 2740'-2500' - POOH - PERFORATE @ 1605' - TEST CASING TO 1200# - POOH - RIH & SPOT 25 SXS
@ 1655'-1455' - POOH - PERFORATE @ 270' - SET PACKER @ 30' - BREAK CIRCULATION - POOH -
NIPPLE UP WELLHEAD - SQUEEZE 80 SXS TO SURFACE - CLOSE IN WELL

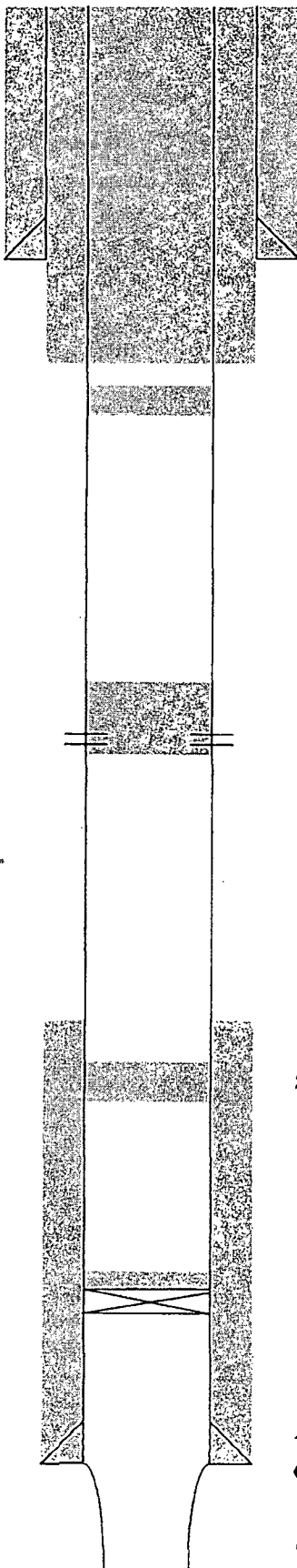
6-11-04 (2)
RIG DOWN MOVE OUT

5 SXS CEMENT @ \$ 12.00/SACK \$ 60.00

CREDIT:
1-WELLHEAD \$ 50.00

COST = \$ 13,895.00

Jimmy Roberson Energy Corp.
Rice No. 2
API No. 30-025-05443
2310' FNL & 1,650' FEL, Unit G
Section 13, T-18S, R-37E
Type Well: Producer



11" Hole; 8 5/8" csg. set @ 270'
 Cemented w/200 sx.
 Cement circulated to surface

Date Drilled: 7/56

Holes in csg. 270'-475". Squeeze 160 sx.
 cement to surface leaving casing full

Date PA'd: 6/04

Spot 25 sx. cement plug 440'-523'

Perforate @ 1,600'. Spot 25 sx. cement plug 1,443'-1,650'

TOC @ 2,511' by calculation

Spot 25 Sx. cement plug 2,586'-2,740'

Set CIBP @ 3,940'. Spot 25 Sx. cement plug 3,740'-3,940'

7 7/8" Hole; 5 1/2" csg. set @ 4,035'
 Cemented w/300 Sx. TOC @ 2,511' by calculation.

Open hole producing interval: 4,035'-4,141'

T.D. 4,141'

MAYO MARRS CASING PULLING INC.
BOX 863 KERMIT, TEXAS 79745

NEW MEXICO OCD

SUPERVISOR-FRANK RIVAS

Lease: RICE
Well: # 2
Operator: JIMMY ROBERSON ENERGY
Project: P & A -
Contract: 04-521-0750-0275 IFB # 40-521-07-00509

BID = \$ 13,885.00

06-17-04 (10 HRS)
MIRU - NDWH - NUBOP - NO TUBING IN WELL - RIH WITH GAUGE RING TO 3940' - POOH - RIH & SET
CIBP @ 3940' - RIH WITH MMCPI WORKSTRING TO 3940' - CIR. 10# MUD - CLOSE BOP & TEST CASING
WILL NOT TEST - SPOT 25 SXS @ 3940'-3740' - POOH & SPOT 25 SXS @ 2740' - POOH - CLOSE IN WELL

6-18-04 (11)
RIH & TAG @ 2586' - POOH - RIH WITH PACKER LOOKING FOR HOLES - TEST CASING - FIND HOLES
@ 270'-475' - POOH - PERFORATE @ 1600' - RIH WITH PACKER & TEST TO 1200# - POOH - RIH & SPOT
25 SXS @ 1650' - POOH - WOC - RIH & TAG @ 1443' - POOH & SPOT 25 SXS @ 523' - POOH - CLOSE IN
WELL

2 HRS RIG TIME TO SEARCH FOR HOLES @ \$ 165.00/HR ... \$ 130.00

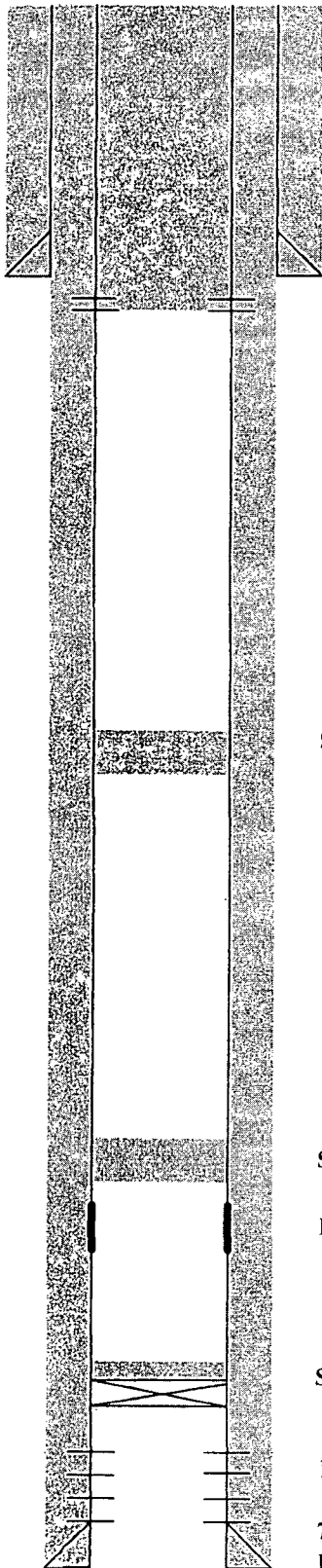
6-21-04 (6)
RIH & TAG @ 440' - TEST CASING - HOLES BELOW 270' - POOH - NIPPLE DOWN BOP - NIPPLE UP
WELLHEAD - SQUEEZE 160 SXS TO SURFACE LEAVING CASING FULL - RIG DOWN - MOVE OUT

1 EXTRA PUMP CHARGE ... \$ 300.00
110 SXS CEMENT @ \$ 12.00/SACK \$ 1,320.00
(BID 150 SXS USED 260)

CREDIT:
1-WELLHEAD \$ 50.00

COST = \$ 15,455.00

Jimmy Roberson Energy Corp.
Hardin B No. 1
API No. 30-025-07351
1980' FNL & 621' FWL, Unit E
Section 18, T-18S, R-38E
Type Well: Producer



Spot 25 sx. cement plug
 224'-surface

12 1/2" Hole; 8 5/8" csg. set @ 338'
 Cemented w/200 sx.
 Cement circulated to surface

Perforate @ 350'. Set packer @ 100' &
 squeeze w/25 sx. cement. Did not
 circulate. RIH & tag @ 224'

Date Drilled: 9/57

Date PA'd: 6/04

Spot 25 Sx. cement plug 1,377'-1,625'

Spot 25 Sx. cement plug 2,502'-2,750'

DV Tool @ 2,789'

Set CIBP @ 4,000'. Spot 25 Sx. cement plug 3,800'-4,000'

Perforations: 4,020'-4,098'

7 7/8" Hole; 5 1/2" csg. set @ 4,126'. Stage Cemented
 1st Stage-475 Sx. 2nd Stage-1,375 Sx. DV Tool @ 2,789'
 Cement circulated to surface.

T.D. 4,128'

MAYO MARRS CASING PULLING INC.
BOX 863 KERMIT, TEXAS 79745

NEW MEXICO OCD

SUPERVISOR-FRANK RIVAS

Lease: HARDIN -B-
Well: # 1
Operator: JIMMY ROBERSON ENERGY
Project: P & A -
Contract: 04-521-0750-0275 IFB # 40-521-07-00509

BID = \$ 13,885.00

06-01-04 (5 HRS)
MIRU - NDWH - NUBOP - NO TUBING IN WELL - RIH WITH GAUGE RING TO 4000' - POOH - RIH & SET
CIBP @ 4000' - RIH WITH MMCPI WORKSTRING - CLOSE IN WELL

6-02-04 (10 HRS)
CIR. 10# MUD - TEST CASING TO 1200# - SPOT 25 SXS @ 4000'-3800' - POOH & SPOT 25 SXS @ 2750'-
2502' - POOH - SPOT 25 SXS @ 1625'-1377' - POOH & PERFORATE @ 350' - SET PACKER @ 100' &
SQUEEZE 25 SXS @ 800# SHUT IN PRESSURE - DID NOT CIRCULATE - CLOSE IN WELL

6-03-04 (5)
POOH WITH PACKER - RIH & TAG @ 224' - SPOT 25 SXS @ 224' TO SURFACE -

6-04-04 (1)
RIG DOWN - MOVE OUT

CREDIT:
1 WELLHEAD .. \$ 50.00

COST = \$ 13,835.00

MITCHELL ANALYTICAL LABORATORY

2638 Faudree
Odessa, Texas 79765-8538
561-5579

Company: **Nalco Energy Services**

Well Number: WIB Pump Dis. #3
Lease: OXY
Location:
Date Run: 1/25/2005
Lab Ref #: 05-jan-n23830

Sample Temp: 70
Date Sampled: 1/19/2005
Sampled by: Mike Athey
Employee #: 27-008
Analyzed by: DOM

Dissolved Gases

		Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulfide (H2S)		137.00	16.00	8.56
Carbon Dioxide (CO2)	NOT ANALYZED			
Dissolved Oxygen (O2)	NOT ANALYZED			

Cations

		Mg/L	Eq. Wt.	MEq/L
Calcium (Ca++)		1,125.60	20.10	56.00
Magnesium (Mg++)		341.60	12.20	28.00
Sodium (Na+)		3,524.02	23.00	153.22
Barium (Ba++)	NOT ANALYZED			
Manganese (Mn+)		.08	27.50	.00

Anions

		Mg/L	Eq. Wt.	MEq/L
Hydroxyl (OH-)		.00	17.00	.00
Carbonate (CO3=)		.00	30.00	.00
BiCarbonate (HCO3-)		2,028.52	61.10	33.20
Sulfate (SO4=)		1,700.00	48.80	34.84
Chloride (Cl-)		6,006.60	35.50	169.20
Total Iron (Fe)		0.28	18.60	.02
Total Dissolved Solids		14,863.70		
Total Hardness as CaCO3		4,214.56		
Conductivity MICROMHOS/CM		26,250		

pH 6.350 Specific Gravity 60/60 F. 1.010

CaSO4 Solubility @ 80 F. 39.63 MEq/L, CaSO4 scale is unlikely

CaCO3 Scale Index

70.0	.221	100.0	.561	130.0	1.121
80.0	.341	110.0	.821	140.0	1.121
90.0	.561	120.0	.821	150.0	1.401

Nalco Energy Services



Laboratory Services, Inc.

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

Water Analysis

COMPANY Altura Energy Ltd.

SAMPLE Fresh Water Well For Well 19-231
SAMPLED BY _____

DATE TAKEN 5/10/00

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

Barium as Ba	0
Carbonate alkalinity PPM	0
Bicarbonate alkalinity PPM	228
pH at Lab	7.3
Specific Gravity @ 60°F	1.001
Magnesium as Mg	169
Total Hardness as CaCO3	292
Chlorides as Cl	64
Sulfate as SO4	100
Iron as Fe	0
Potassium	0.09
Hydrogen Sulfide	0
Rw	11.8
Total Dissolved Solids	715
Calcium as Ca	123
Nitrate	12.8

Results reported as Parts per Million unless stated

Langelier Saturation Index - 0.25

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



Laboratory Services, Inc.

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

Water Analysis

COMPANY Altura Energy Ltd.

SAMPLE Fresh Water Well For Well 19-231

SAMPLED BY _____

DATE TAKEN 5/10/00

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

Barium as Ba	0	
Carbonate alkalinity PPM	0	
Bicarbonate alkalinity PPM	180	
pH at Lab	7.58	
Specific Gravity @ 60°F	1.001	
Magnesium as Mg	158	
Total Hardness as CaCO ₃	272	
Chlorides as Cl	60	
Sulfate as SO ₄	80	
Iron as Fe	0.02	
Potassium	0.09	
Hydrogen Sulfide	0	
Rw	11.8	23.0 C
Total Dissolved Solids	615	
Calcium as Ca	114	
Nitrate	11.9	

Results reported as Parts per Million unless stated

Langelier Saturation Index - 0.07

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

Form C-108
Affirmative Statement
Occidental Permian Ltd.
North Hobbs G/SA Unit Well No. 431
Section 13, T-18 South, R-37 East, NMPM,
Lea County, New Mexico

Available geologic and engineering data has been examined and no evidence of open faults or hydrological connection between the injection zone and any underground sources of drinking water has been found.

David Catanach
Agent-Occidental Permian Ltd.

Date

December 21, 2012

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

TO: OFFSET OPERATORS, OFFSET LESSEES, SURFACE OWNER
(SEE ATTACHED LIST)

Re: Occidental Permian Ltd.
Form C-108 (Application for Authorization to Inject)
Application to Amend Order No. PMX-89
North Hobbs G/SA Unit Well No. 431
Section 13, T-18S, R-37E, NMPM,
Lea County, New Mexico

Dear Sir:

Enclosed please find a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for the Occidental Permian Ltd. ("Occidental") North Hobbs G/SA Unit Well No. 431 located in Unit I of Section 13, Township 18 South, Range 37 East, NMPM, Lea County, New Mexico. This well was previously authorized for water injection within the North Hobbs Grayburg San Andres Unit Pressure Maintenance Project by Order No. PMX-89. Occidental is now seeking an amendment to this order to allow injection of carbon dioxide and produced gas within this well.

You are being provided a copy of the application as an offset operator, offset leaseholder, offset mineral interest owner or surface owner of the land on which the injection well is located. The requested amendment will allow the completion of an efficient injection/production pattern within the project area.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

If you should have any questions, please contact me at (505) 690-9453.

Sincerely,

David Catanach-Agent
Occidental Permian Ltd.
P.O. Box 4294
Houston, Texas 77210

37E

38E

14

13

18

Tract 1

Tract 2

NHGS AU
No. 431

½ Mile




Chevron USA, Inc.
Offset Operator

24

19

18S

23

-  Boundary of North Hobbs Grayburg-San Andres Unit
-  Tract 1 Notice Area
-  Tract 2 Notice Area

Occidental Permian, Ltd.
Form C-108; Application to Amend PMX-89
North Hobbs G/SA Unit Well No. 431
½ Mile Notice Area

Occidental Permian, Ltd.
Form C-108: Application to Amend PMX-89
North Hobbs G/SA Unit Well No. 431
Section 13, T-18S, R-37E, NMPM,
Notification List

All acreage within the ½ mile notice area for the North Hobbs G/SA Unit Well No. 431 is located within Occidental Permian Ltd's North Hobbs Grayburg San Andres Unit, **with the exception** of the NE/4 of Section 13, Township 18 South, Range 37 East, and the S/2 NW/4 and NW/4 NW/4 of Section 18, Township 18 South, Range 38 East. These tracts are identified as Tract 1 and Tract 2, respectively (See attached map.) The following-described mineral interest owners within Tracts 1 & 2 are being provided notice of this application.

In addition, Chevron USA, Inc., who operates producing wells that penetrate the injection interval within the N/2 NE/4 of Section 24 is being provided notice as an offset operator, as is Black Gold Estates, LLC, the surface owner at the wellsite of the North Hobbs G/SA Unit No. 431.

Offset Operator & Surface Owner

Chevron USA, Inc. ✓
15 Smith Road
Midland, Texas 79705

Black Gold Estates, LLC ✓
c/o Hubbard Enterprises, Inc.
72-980 Fred Waring Dr., Suite B
Palm Desert, CA 92260

Tract 1 (Mineral Interest Owners)

Apache Corp. ✓
2000 Post Oak Blvd.
Suite 100
Houston, Texas 77056

Occidental Petroleum Corp.
P.O. Box 27757
Houston, Texas 77046

Jessie B. Crump Family Trust ✓
Bank of America, NA, Trustee
P.O. Box 830308
Dallas, Texas 75283

Joe & Jessie Crump Fund ✓
Bank One Texas, NA, Trustee
P.O. Box 2605
Fort Worth, Texas 76113

Perry Glynn Gregory ✓
503 W. Vista Pkwy.
Roswell, New Mexico 88201

Leede Operating Co., LLC ✓
2100 Plaza Tower One
6400 South Fiddlers Green Circle
Englewood, Colorado 80111

ConocoPhillips Company ✓
3300 N. "A" Street, Bldg. 6
Midland, Texas 79705-5490

Mack H. Woolridge ✓
P.O. Box 3217
Albany, Texas 76430

Occidental Permian, Ltd.
Form C-108: Application to Amend PMX-89

Tract 1 (Cont.)

H. R. Stasney & Sons, Ltd. ✓
P.O. Box 3190
Albany, Texas 76430

Chieftan Royalty Company ✓
P.O. Box 18441
Oklahoma City, Oklahoma 73154

Winifred Witwer Edwards Trust ✓
Bank of America NA, Trustee
P.O. Box 830308
Dallas, Texas 75238

Sylvie Bryce Trusts u/w/o
Angelica S. Bryce ✓
fbo Nina Potter
fbo Clifford Potter
Angelica Schuyler Bryce
Wells Fargo Bank NA, Trustee
P.O. Box 5383
Denver, Colorado 80217

Virginia A Marting, Revocable Trust ✓
1306 W. Cheyenne Rd.
Colorado Spring, Colorado 80906

Injection Engineering Services ✓
Profit Sharing Trust
Walter O. Ford, Trustee
P.O. Box 4050
Santa Fe, New Mexico 89702

Sheryl Ann Miller ✓
P.O. Box 1049
Leakey, Texas 78873

Louis H. Witwer III Trust ✓
Louis H. Witwer III, Trustee
P.O. Box 2453
Tulsa, Oklahoma 74101

Jean D. Beckwith Trust ✓
James D. Schmidt, Trustee
515 S. Figueroa St.
Los Angeles, CA 90071

Ariel Bryce Appleton Trusts u/w/o
Angelica S. Bryce
fbo Lynn Appleton
fbo Marc Appleton
fbo Lee Appleton
fbo Peter Appleton
Wells Fargo Bank NA, Trustee
P.O. Box 5383
Denver, Colorado 80217

Denbury Resources, Inc. ✓
5320 Legacy Drive
Plano, Texas 75024

Tract 2 (Mineral Interest Owners)

Texland Petroleum Hobbs, LLC ✓
777 Main Street, Suite 3200
Fort Worth, Texas 76102

Keith W. Davis
777 Main Street, Suite 3200
Fort Worth, Texas 76102

Michael E. Chapman
777 Main Street, Suite 3200
Fort Worth, Texas 76102

Bryan E. Lee
777 Main Street, Suite 3200
Fort Worth, Texas 76102

Occidental Permian, Ltd.
Form C-108: Application to Amend PMX-89

Tract 2 (Cont.)

Judith O. McGinn
777 Main Street, Suite 3200
Fort Worth, Texas 76102

Namy Energy, LP
777 Main Street, Suite 3200
Fort Worth, Texas 76102

Gary Phillips
777 Main Street, Suite 3200
Fort Worth, Texas 76102

Rector Oil, Ltd.
777 Main Street, Suite 3200
Fort Worth, Texas 76102

Schumacher Partners II, LP
777 Main Street, Suite 3200
Fort Worth, Texas 76102

William F. Pendelton
777 Main Street, Suite 3200
Fort Worth, Texas 76102

James H. Wilkes
777 Main Street, Suite 3200
Fort Worth, Texas 76102

Carter Family Minerals, LLC ✓
P.O. Box 328
Fort Sumner, New Mexico 88119

Realeza Del Spear, LP ✓
P.O. Box 1684
Midland, Texas 79701

Pacific Enterprises ABC Corp. ✓
3131 Turtle Creek Blvd.
Dallas, Texas 75219

Roy G. Barton Sr., & Opal Barton ✓
Revocable Trust
Roy G. Barton Jr., Trustee
1919 North Turner St.
Hobbs, New Mexico 88240

Crawford Culp ✓
415 E. Arriba Dr.
Hobbs, New Mexico 88240

Estate of Kathleen Hallin ✓
c/o Eric Hallin
1320 S. Commerce St., TRLR 52
Ardmore, Oklahoma 73401

W.H.T. LLC ✓
258 Compound Rd.
Ardmore, Oklahoma 73401

Burke Lewis Healey ✓
9512 Red Mountain Road
Livermore, Colorado 80536

Southern Cross Alliance, LLC ✓
P.O. Box 777
Davis, Oklahoma 73030

Healey, LP ✓
P.O. Box 2120
Ardmore, Oklahoma 73402

Wentz Production, LLC ✓
P.O. Box 834
Ardmore, Oklahoma 73030

Clifford Cone ✓
P.O. Drawer 1629
Lovington, New Mexico 88260

Thomas Cone ✓
P.O. Box 778
Jay, Oklahoma 74346

Occidental Permian, Ltd.
Form C-108: Application to Amend PMX-89

Tract 2 (Cont.)

Cathie Cone Auvenshine ✓
P.O. Box 507
Dripping Springs, Texas 78620

Randy Lee Cone ✓
P.O. Box 552
Jay, Oklahoma 74346

Karen Cone ✓
P.O. Box 8351
Fayetteville, AR 72703

Trust u/w/o Kathleen Cone
fbo Children of Kenneth Cone
Kenneth Cone, Trustee
P.O. Box 11310
Midland, Texas 79702

Occidental Petroleum Corp.
P.O. Box 27757
Houston, Texas 77046

L.M. Robinson, LLC ✓
P.O. Box 847
Ruidoso, New Mexico 88355

Carter Legacy LLC ✓
5331 85th Street
Lubbock, Texas 79424

Debra D. Dye ✓
P.O. Box 834
LaPorte, Texas 77572

Robinson Sixth Lake Trust ✓
Patrick A. Robinson and
Sandra Barnard, Co-Trustees
29 Dairy Farm Rd.
Brookfield, CT 06804

Allen C. Oliphant, Jr.
1437 S. Boulder Ave. #1250
Tulsa, Oklahoma 74119

Kenneth Cone ✓
P.O. Box 11310
Midland, Texas 79702

Kayla Cone ✓
P.O. Box 746
Fayetteville, AR 72702

Auvenshine Children's Test, Trust
u/w/o Kathleen Cone
Cathie Cone Auvenshine, Trustee
P.O. Box 507
Dripping Springs, Texas 78620

Trust u/w/o Kathleen Cone
fbo Children of Clifford Cone
Clifford Cone, Trustee
P.O. Drawer 1629
Lovington, New Mexico 88260

CRJ Resources, LLC ✓
5908 Los Hermanos Ct. NE
Albuquerque, New Mexico 87111

Herring's Carter Minerals, LLC ✓
P.O. Box 2036
Roswell, New Mexico 88202

Bryan Murphy Dye ✓
6517 Louise Pl. NE
Albuquerque, New Mexico 87109

David Fred Carr ✓
6401 Mount Ada Rd. # 143
San Diego, California 92111

Charles W. Oliphant ✓
1437 S. Boulder Ave. #1250
Tulsa, Oklahoma 74119

Allene C. Mayo
1437 S. Boulder Ave. #1250
Tulsa, Oklahoma 74119

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Tract 2 (Cont.)

Gertrude O. Sundgren
1437 S. Boulder Ave. #1250
Tulsa, Oklahoma 74119

Ceja Corp.
1437 S. Boulder Ave. #1250
Tulsa, Oklahoma 74119

Form C-108
Occidental Permian, Ltd.
Application to Amend Order No. PMX-89
North Hobbs G/SA Unit Well No. 431
Section 13, T-18S, R-37E
Lea County, New Mexico

Legal notice will be published in the:

*Hobbs News Sun
201 N. Thorp
Hobbs, New Mexico 88240*

A copy of the legal advertisement will be forwarded to the Division upon publication.

Occidental Permian, Ltd. P.O. Box 4294, Houston, Texas 77210 has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division seeking administrative approval to amend Division Order No. PMX-89. This order authorized Occidental Permian, Ltd. to inject water into the Grayburg-San Andres formation, Hobbs Grayburg-San Andres Pool within the North Hobbs G/SA Unit Well No. 431 as part of the North Hobbs Grayburg San Andres Unit Pressure Maintenance Project. Occidental is now seeking approval to inject carbon dioxide and produced gas within this well, further described as follows:

North Hobbs G/SA Unit No. 431 (API No. 30-025-05445) 1640' FSL & 1000' FEL (I) Section 13, T-18S, R-37E: Proposed Injection Interval: 4,000'-4,365' (Perforated & Open-Hole);

Produced water from the Hobbs Grayburg-San Andres Pool, CO₂ and produced gas will be injected into the wells at a maximum rate of 9,000 barrels of water per day and 15,000 MCF gas per day. The maximum surface injection pressure is anticipated to be 1100 psi for water injection, 1250 psi for CO₂ injection and 1770 psi for produced gas injection.

Interested parties must file objections with the New Mexico Oil Conservation Division, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505, within 15 days of the date of this publication.

Additional information can be obtained by contacting Mr. David Catanach, Agent-Occidental Permian, Ltd. at (505) 690-9453.