

ABOVE THIS LINE FOR DIVISION USE ONLY

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



235

**ADMINISTRATIVE APPLICATION CHECKLIST**

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

**Application Acronyms:**

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

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

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

Check One Only for [B] or [C]

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

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

[D] Other: Specify \_\_\_\_\_

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

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☐ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

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

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

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

Print or Type Name

Signature

Title

Date

e-mail Address



**Occidental Permian Ltd.**

A subsidiary of Occidental Petroleum Corporation

5 Greenway Plaza, Suite 110, Houston, Texas 77046-0521  
P.O. Box 4294, Houston, Texas 77210-4294  
Phone 713.215.7000

October 6, 2005

State of New Mexico  
Energy, Minerals & Natural Resources Department  
Oil Conservation Division  
1220 S. St. Francis Dr.  
Santa Fe, NM 87505

RE: Expansion of Pressure Maintenance Project (R-6199-B, 10/22/01)  
North Hobbs (Grayburg/San Andres) Unit  
Hobbs; Grayburg – San Andres Pool  
Well No. 441 (30-025-05499)  
Letter P, Section 25, T-18-S, R-37-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. 441 from production to injection. As such, the following data is submitted in support of this request:

- Administrative Application Checklist
- Form C-108 with miscellaneous data attached
- Form C-102
- A map reflecting the location of the proposed injection well (No. 441). 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
- Exhibit 1.0 – Area of Review Data

2005 OCT 7 AM 9 41



**Occidental Permian Ltd.**

A subsidiary of Occidental Petroleum Corporation

5 Greenway Plaza, Suite 110, Houston, Texas 77046-0521  
P.O. Box 4294, Houston, Texas 77210-4294  
Phone 713.215.7000

- Exhibit 2.0 – Showing the location of the well in the Phase 1 Gas Reinjection Area
- 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 or need additional information, please call me at (713) 366-5158.

Very truly yours,

Mark Stephens  
Regulatory Compliance Analyst

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)

DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.
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**- Engineering Bureau -**  
 1220 South St. Francis Drive, Santa Fe, NM 87505



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U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

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

Mark Stephens

Print or Type Name

*Mark Stephens*

Signature

Reg. Comp. Analyst

Title

10/5/05

Date

Mark\_Stephens@oxy.com

e-mail Address

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: Secondary Recovery ☒ Pressure Maintenance Disposal Storage  
Application qualifies for administrative approval? ☒ Yes No
- II. OPERATOR: Occidental Permian Limited Partnership  
ADDRESS: P.O. Box 4294, Houston, TX 77210-4294  
CONTACT PARTY: Mark Stephens, Rm. 19.013, GRWY 5 PHONE: (713) 366-5158
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.  
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☒ Yes No  
If yes, give the Division order number authorizing the project: R-6199-B (10/22/01)
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed;
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. Attach appropriate 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: Reg. Comp. Analyst  
SIGNATURE: Mark Stephens DATE: October 5, 2005  
E-MAIL ADDRESS: Mark\_Stephens@oxy.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: Hearing September 6, 2001; Case No. 12722, Order No. 6199-B, effective October 22, 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.

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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. 441  
API No. 30-025-05499  
Letter P, Section 25, T-18-S, R-37-E  
Lea County, New Mexico

III. Well Data

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

VII. Proposed Operation

1. Average Injection Rate           N/A  
Maximum Injection Rate       9000 BWPD/15,000 MCFGPD\*  
(\* In accordance with Order No. R-6199-B, effective 10/22/01)
2. Closed Injection System
3. Average Surface Injection Pressure   N/A  
Maximum Surface Injection Pressures  
    Produced Water               1100 PSI\*  
    CO2                           1250 PSI\*  
    CO2 w/produced gas           1770 PSI\*  
    <will not exceed 2400 psi bottomhole pressure>  
(\* In accordance with Order No. R-6199-B, effective 10/22/01)
4. Source Water – San Andres Produced Water  
    (Mitchell Analytical Laboratory analysis attached)

IX. Stimulation Program

Acid treatment of injection interval will be performed during conversion work  
(approx. 2000 gal. 15% HCL)

XI. Fresh Water Sample Analysis

(Laboratory Services, Inc. analysis attached – 2 ea., for nearby Well No. 121 in  
Section 30)

- 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

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 (H <sub>2</sub> S)		137.00	16.00	8.56
Carbon Dioxide (CO <sub>2</sub> )	<b>NOT ANALYZED</b>			
Dissolved Oxygen (O <sub>2</sub> )	<b>NOT ANALYZED</b>			

## Cations

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

## Anions

Hydroxyl (OH <sup>-</sup> )		.00	17.00	.00
Carbonate (CO <sub>3</sub> <sup>=</sup> )		.00	30.00	.00
BiCarbonate (HCO <sub>3</sub> <sup>-</sup> )		2,028.52	61.10	33.20
Sulfate (SO <sub>4</sub> <sup>=</sup> )		1,700.00	48.80	34.84
Chloride (Cl <sup>-</sup> )		6,006.60	35.50	169.20
Total Iron (Fe)		0.28	18.60	.02
Total Dissolved Solids		14,863.70		
Total Hardness as CaCO <sub>3</sub>		4,214.56		
Conductivity MICROMHOS/CM		26,250		

pH 6.350 Specific Gravity 60/60 F. 1.010

CaSO<sub>4</sub> Solubility @ 80 F. 39.63 MEq/L, CaSO<sub>4</sub> scale is unlikely

## CaCO<sub>3</sub> 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 30-121  
**SAMPLED BY**

**DATE TAKEN** 5/10/00

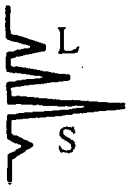
**REMARKS** T18S-R38E-Sec.30, Qtr Sec. 1,2,3

Barium as Ba	0
Carbonate alkalinity PPM	0
Bicarbonate alkalinity PPM	224
pH at Lab	7.4
Specific Gravity @ 60°F	1.001
Magnesium as Mg	167
Total Hardness as CaCO <sub>3</sub>	288
Chlorides as Cl	76
Sulfate as SO <sub>4</sub>	110
Iron as Fe	0
Potassium	0.08
Hydrogen Sulfide	0
Rw	8
Total Dissolved Solids	717
Calcium as Ca	121
Nitrate	10.6

Results reported as Parts per Million unless stated

Langelier Saturation Index 0

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 30-121  
**SAMPLED BY**

**DATE TAKEN** 5/10/00

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

Barium as Ba	0	
Carbonate alkalinity PPM	0	
Bicarbonate alkalinity PPM	184	
pH at Lab	7.42	
Specific Gravity @ 60°F	1.001	
Magnesium as Mg	128	
Total Hardness as CaCO <sub>3</sub>	220	
Chlorides as Cl	42	
Sulfate as SO <sub>4</sub>	75	
Iron as Fe	0	
Potassium	0.08	
Hydrogen Sulfide	0	
Rw	12.1	23.0 C
Total Dissolved Solids	544	
Calcium as Ca	92	
Nitrate	11	

Results reported as Parts per Million unless stated

Langelier Saturation Index - 0.33

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

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources

Form C-102  
Revised June 10, 2003

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-05499	<sup>2</sup> Pool Code 31920	<sup>3</sup> Pool Name Hobbs; Grayburg - San Andres
<sup>4</sup> Property Code 19520	<sup>5</sup> Property Name North Hobbs G/SA Unit	<sup>6</sup> Well Number 744
<sup>7</sup> OGRID No. 157984	<sup>8</sup> Operator Name Occidental Permian Limited Partnership	<sup>9</sup> Elevation 3654' GL


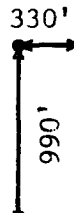
<sup>10</sup> Surface Location

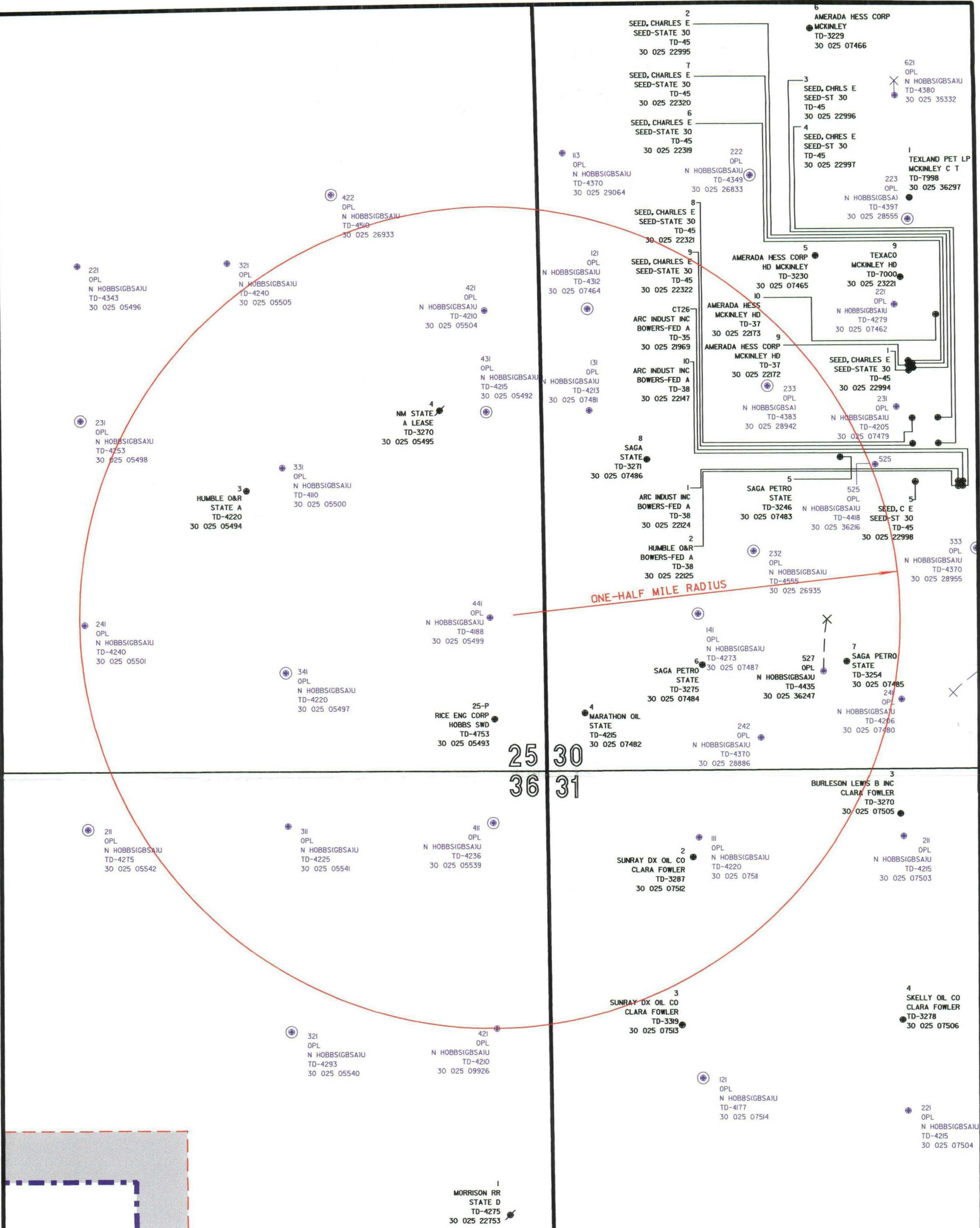
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	25	18-S	37-E		990	South	330	East	Lea

<sup>11</sup> 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
<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<sup>16</sup>					<sup>17</sup> OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>   Signature Mark Stephens Printed Name Regulatory Compliance Analyst Title and Email October 5, 2005 Date
					<sup>18</sup> SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>  Date of Survey Signature and Seal of Professional Surveyer:   Certificate Number



Area of Review Plat

**NORTH HOBBS (GRAYBURG  
SAN ANDRES) UNIT**

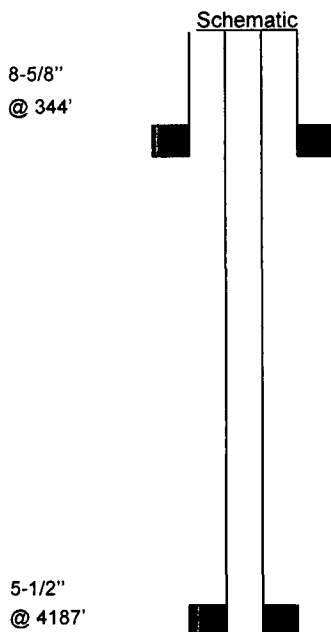
WELL NO. 25-441

T-18-S, R-37-E  
Lea County, New Mexico

Scale: 1" = 600' 02-17-2005 nm438\_2005.dgn  
Plat prepared by PJE Drafting, Inc.  
For Horizon Survey, Inc.

# INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 441	Footage Location 990' FSL & 330' FEL	Section 25	Township 18-S	Range 37-E	Unit Letter P



Tubular Data

Surface Casing  
 Size 8- 5/8" Cemented with 225 sxs.  
 TOC SURF Determined by CIRC  
 Hole size \_\_\_\_\_

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

Long string Casing  
 Size 5-1/2" Cemented with 1450 sxs.  
 TOC 2950' Determined by CIRC  
 Hole size \_\_\_\_\_

Liner  
 Size \_\_\_\_\_ Cemented with \_\_\_\_\_ sxs.  
 TOC \_\_\_\_\_ Determined by \_\_\_\_\_  
 Hole size \_\_\_\_\_

Total depth 4188'

Injection interval  
Approx. 4000 feet to TD

Completion type Perforated Casing

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

## Other Data

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

## **Exhibit 1.0 – Area of Review Data**

### **Area of Review Well Count**

Active Wells (includes SI and TxA'd wells) – 21

Plugged and Abandoned Wells – 4

**N.M. State "A" No. 3** (30-025-05494) – Sec. 25, T-18-S, R-37-E

**N.M. State "A" No. 4** (30-025-05495) – Sec. 25, T-18-S, R-37-E

**State Land Sec. 30 No. 4** (30-025-07482) – Sec. 30, T-18-S, R-38-E

**Clara Fowler No. 2** (30-025-07512) – Sec. 31, T-18-S, R-38-E

\* Documentation for these 4 wells is attached

A review of the subject well's AOR shows that 1 well has been drilled within the ½-mile radius since the previous review occurred (done as a part of Oxy's August, 2001 application to amend Order No. R-6199). This wells is:

**North Hobbs G/SA Unit No. 527** (30-025-36247)

The attached copies of sundry notices (2 ea.) and the completion report for NHU No. 527 shows that cement was circulated to surface off all casing strings thus affording adequate protection of the injection interval (approx. 4000' to 4188') of Oxy's North Hobbs G/SA Unit Well No. 411.

Mark Stephens 10/5/05

Mark Stephens  
Regulatory Compliance Analyst  
Occidental Permian Limited Partnership

MAR 20 1947

Santa Fe, New Mexico

## MISCELLANEOUS REPORTS ON WELLS

HOBBS OFFICE

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary/public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	<input checked="" type="checkbox"/>		

Midland, Texas

March 18, 1947

Place

Date

OIL CONSERVATION COMMISSION,  
SANTA FE, NEW MEXICO.

Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the \_\_\_\_\_  
Humble Oil & Refining Co. N.M. State "A" Well No. 9 in the \_\_\_\_\_  
 \_\_\_\_\_ Company or Operator \_\_\_\_\_ Lease \_\_\_\_\_  
3/2 of Sec. 25, T. 18-S, R. 37-E, N. M. P. M.,  
Hobbs Field, Lea County.

The dates of this work were as follows: March 13-18, 1947

Notice of intention to do the work was (~~submitted~~) submitted on Form C-102 on February 25 1947  
 and approval of the proposed plan was (~~received~~) obtained. (Cross out incorrect words.)

## DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Pulled 2½" tubing, ran Gamma Ray survey, and ran tubing to bottom of hole. Circulated hole with mud and plugged back from 4220' to 4000' with 100 sacks of cement. Pulled tubing and shot 7" casing at 1600', 1300', and 1000'. Pulled 34 joints of 7" casing and cemented hole from 1000' to 800' with 50 sacks of cement. Laid down 34 joints of 9-5/8" casing and plugged well from 190' to 160' with 25 sacks of cement. Put 25 sack plug at surface and installed regulation manlyer.

Witnessed by \_\_\_\_\_ Name \_\_\_\_\_ Company \_\_\_\_\_ Title \_\_\_\_\_

Subscribed and sworn before me this \_\_\_\_\_  
 \_\_\_\_\_ day of March, 1947  
Willie Mae Ferguson  
 Notary Public

I hereby swear or affirm that the information given above is true and correct.  
 Name [Signature]  
 Position Asst. Division Superintendent  
 Representing Humble Oil & Refining Co.  
 Company or Operator  
 Address Box 1600 - Midland, Texas

My commission expires 6-1-47

Remarks:

APPROVED  
 MAR 20 1947  
 Date \_\_\_\_\_

Ray. Garbary  
 Oil & Gas Inspector  
 T.H.W.

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

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

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

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

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

TD: 4220



Cmt Plug: Surface 25 sx

Cmt Plug 190-160 25 sx

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

Cmt Plug 1000-800 50 sx

Cmt Plug 4220-4000 100 sx



## FORMATION RECORD

Santa Fe, New Mexico

## MISCELLANEOUS REPORTS ON WELLS

AUG 26 1948

HOBBS

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	X		

August 24, 1948

Midland, Texas

Date

Place

OIL CONSERVATION COMMISSION,  
SANTA FE, NEW MEXICO.

Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the  
**Humble Oil & Refining Co.** **N. M. State "A"** Well No. **4** in the

Company or Operator **NE/4 of SE/4** of Sec. **25**, T. **18-S**, R. **37-E**, N. M. P. M.,  
**Bowers** Field, **Lea** County.

The dates of this work were as follows:

August 22, 1948

Notice of intention to do the work was ~~(was not)~~ submitted on Form C-102 on **August 21,** 19**48**  
and approval of the proposed plan was ~~(was not)~~ obtained. (Cross out incorrect words.)

## DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Spotted 15 sacks of regular cement at bottom of hole. Pulled tubing up and spotted a plug of 40 sacks regular cement from 1500' to 1800'. Pulled tubing and plugged hole from 100' to surface with 25 sacks of regular cement. Regulation marker was installed.

Witnessed by	Name	Company	Title
Subscribed and sworn before me this	I hereby swear or affirm that the information given above is true and correct.		
<b>24th</b> day of <b>August</b> , 19 <b>48</b>	Name <b>John Sam</b>	Position <b>Division Superintendent</b>	
<b>Alma D. Roberson</b>	Representing <b>Humble Oil &amp; Refining Company</b>		
<b>ALMA D. ROBERTSON</b>	Company or Operator <b>Box 1600, Midland, Texas</b>		
My commission expires	Address		

Remarks:

APPROVED

AUG 26 1948

Date

**Ray Jackborough**  
Name  
OIL & GAS INSPECTOR  
Title

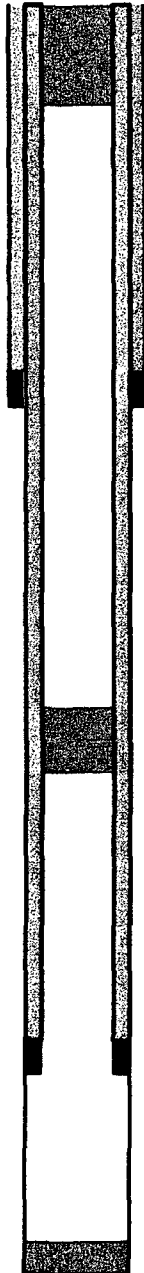
**Humble  
NM State A #4  
Section 25-18s-37e**

API Number: 30025 05495  
P&A: 8/22/48  
Datum:

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

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

TD: 4270



Cmt Plug: 0-100 25 sx

Cmt Plug 1500-1800 40 sx

Cmt Plug 4240 25 sx

DUPLICATE

NEW

MEXICO OIL CONSERVATION COMMISSION  
MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office per Commission Rule 1106)

Form C-103  
(Revised 3-55)

COMPANY THE OHIO OIL COMPANY

Box 2107

Hobbs, New Mexico

(Address)

LEASE State Land Sec. 30 WELL NO. 4 UNIT N S 30 T 18S R 38E

DATE WORK PERFORMED 1/14 to 1/25/57 POOL Hobbs - B/C/S

This is a Report of: (Check appropriate block)

☐ Results of Test of Casing Shut-off

☐ Beginning Drilling Operations

☐ Remedial Work

☒ Plugging

☐ Other

Detailed account of work done, nature and quantity of materials used and results obtained.

4215' TD, 3914' FB: 16" @ 260' with 225 sx, 9-5/8" @ 2750' with 500 sx, 7" @ 3946' with 350 sx. Cast iron bridge plug @ 3940' with 26' cement plug from 3940-14, 7" csg perfs opposite Byers gas section from 3758-3850'.

Plugged and abandoned well as follows:

Loaded hole with Jel base mud, spotted 312' cement plug from 3602-3914', cut 7" csg @ 3060' & pulled same. Set 9-5/8" cast iron cement retainer in 9-5/8" casing at 2703' & squeezed 50 sx cement below same, following cement with bridging ball; max. P 1400#, min. P. 1200#. Spotted 125' cement plug on top of retainer from 2703' to 2578'. Perf 9-5/8" casing with 4 - 1/2" holes @ 255'. Mixed 300 sx cement & circ. cement to surface 9-5/8" x 16" casing annulus leaving 255' cement plug in top of 9-5/8" casing & 16" surface pipe. Installed permanent well marker.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. TD PBD Prod. Int. Compl Date

Tbng. Dia Tbng Depth Oil String Dia Oil String Depth

Perf Interval (s)

Open Hole Interval Producing Formation (s)

RESULTS OF WORKOVER:

BEFORE

AFTER

Date of Test

Oil Production, bbls. per day

Gas Production, Mcf per day

Water Production, bbls. per day

Gas-Oil Ratio, cu. ft. per bbl.

Gas Well Potential, Mcf per day

Witnessed by

(Company)

**WELL SCHEMATIC:  
MARATHON STATE #4**

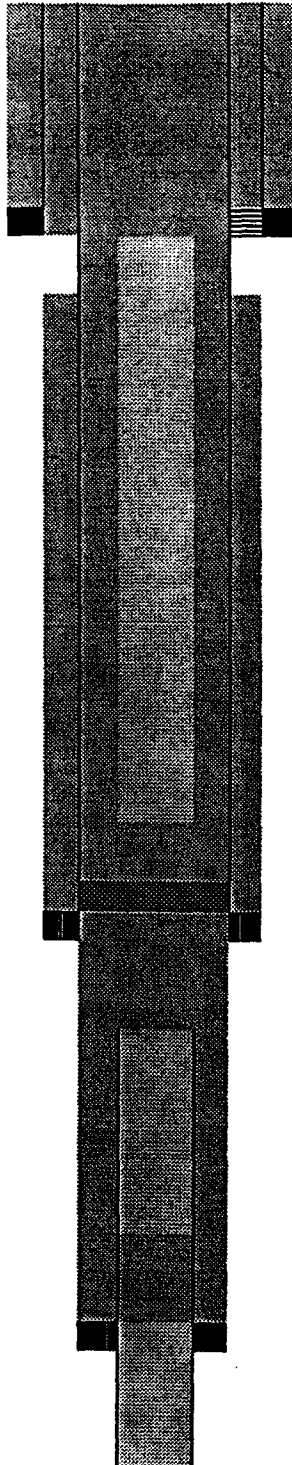
WELL PLUGGED:  
3/14/57

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

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

7"  
3946'  
350 SX  
TOC: NA

TD: 4215'



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

Hole loaded with gel based  
Mud.

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

Cut 7" csg at 3060' and  
Pulled same.

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

07482

22

NEW MEXICO OIL CONSERVATION COMMISSION

5a. Indicate Type of Lease  
State ☐ For ☒  
5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Firm or Lease Name  
Clara Fowler

9. Well No.  
2

10. Field and Loc., or Wildcat  
Bowers

12. County  
Lea

SUNDARY NOTICES AND REPORTS ON WELLS

DO NOT USE THIS FORM FOR NOTICES TO PULL OR TO ABANDON A WELL OR TO A DIFFERENT RESERVOIR.  
USE APPLICATION FOR PERMIT TO PULL OR TO ABANDON A WELL FOR SUCH PURPOSES.

Oil Well ☒ Gas Well ☐ Other ☐

Name of Operator  
Sun Oil Company  
Address of Operator  
P. O. Box 1861, Midland, TX 79702

4. Location of Well  
UNIT LETTER D 590 FEET FROM THE North LINE AND 990 FEET FROM  
THE West LINE, SECTION 31 TOWNSHIP 18S RANGE 38E N.M.P.M.

15. Elevation (Show whether DF, RT, GR, etc.)  
3654 DF

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐  
TEMPORARILY ABANDON ☐  
PULL OR ALTER CASING ☐

PLUG AND ABANDON ☐  
CHANGE PLANS ☐

REMEDIAL WORK ☐  
COMMENCE DRILLING OPNS. ☐  
CASING TEST AND CEMENT JOBS ☐  
OTHER ☐

ALTERING CASING  
PLUG AND ABANDONMENT

17. 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.

8-10-76 MIRU, pull rods, pull tbq, set CIBP on WL @ 3100, dumped 3 sx cement on top plug (3065-3100).

8-11-76 Tag cmt plug w/tbg @ 3062. Circ hole w/75 bbls Mud, sptd 20 sx cmt plug 1727-1600, sptd 15 sx plug 150-0, cut off wellhead, weld on plate, install permanent marker.

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

Signature: Claudia M. Minter TITLE: Production Staff Associate DATE: 2-20-79

Orig. Signed By  
Jerry Sexton  
Dist. 1, Supv.

TITLE: DATE: FEB 26 1979

CONDITIONS OF APPROVAL, IF ANY:

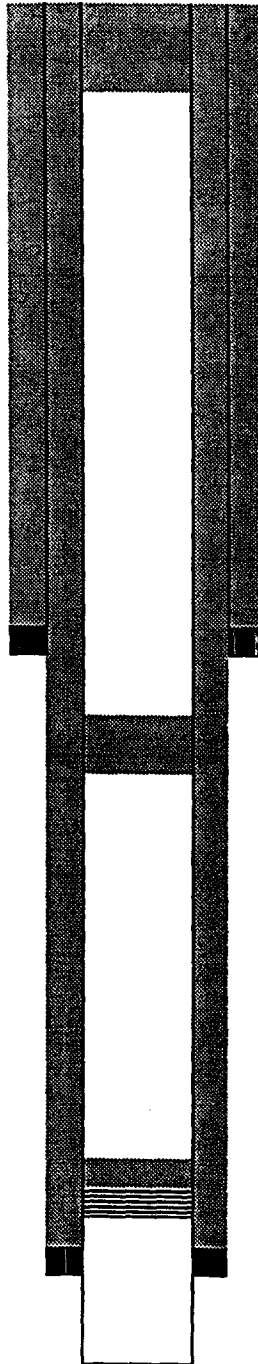
above is true and complete

Clara Fowler #2  
Sun Oil  
Unit D, 590 FNL & 990 FWL  
Sec 31, T-18-S, R-38-E

P&A'd: 2/26/79  
DATUM: 3254 df

Size: 9-5/8"  
Weight:  
Depth: 260'  
Hole Size: 12.5"  
Cmt: 300 sxs  
TOC: Calc. Surf.

Size: 5-1/2"  
Weight:  
Depth: 3250'  
Hole Size: 7-7/8"  
Cmt: 500 sxs  
TOC: Calc Surf.



75 sxs cement plug, 0-150'

20 sxs cement plug, 1730-1600'

CIBP w/ cmt @ 3100'

TD: 3282'

Submit to Appropriate District Office  
State Lease - 6 copies  
Fee Lease - 5 copies  
District I  
1625 N. French, Hobbs, NM 88240  
District II  
811 South First, Artesia, NM 87210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-105  
Revised March 25, 1999

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

WELL API NO.

30-025-36247

5. Indicate Type Of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER \_\_\_\_\_

b. Type of Completion:

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER \_\_\_\_\_

2. Name of Operator

Occidental Permian Limited Partnership

3. Address of Operator

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

7. Lease Name or Unit Agreement Name

North Hobbs G/SA Unit

8. Well No.

527

9. Pool name or Wildcat

Hobbs; Grayburg-San Andres

4. Well Location

SHL: Unit Letter N : 627 Feet From The South Line and 1782 Feet From The West Line  
BHL: N 951 957 South 1802 West  
Section 30 Township 18-S Range 38-E NMPM Lea County

10. Date Spudded

5/19/03

11. Date T.D. Reached

5/26/03

12. Date Compl. (Ready to Prod.)

6/12/03

13. Elevations (DF & RKB, RT, GR, etc.)

3649' GR

14. Elev. Casinghead

15. Total Depth

4435'

16. Plug Back T.D.

4380'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

4435'

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

4252' - 4303'; Grayburg-San Andres

20. Was Directional Survey Made

Yes

21. Type Electric and Other Logs Run

HRLA-MicroCFL-NGT/TDLD-CN-NGT/BCS-NGT/NGRS

22. Was Well Cored

No

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
14	Conductor	40	18	50 sx.	
8-5/8	24	1536	12-1/4	850 sx.	
5-1/2	15.5	4435	7-7/8	850 sx.	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8	4142'	

26. Perforation record (interval, size, and number)

4252' - 4303' (2 JSPF)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4252' - 4303'	750 gal. 15% NEEF HCL

28. PRODUCTION

Date First Production 6/14/03	Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping - ESP, Reda				Well Status (Prod. or Shut-in) Producing		
Date of Test 6/14/03	Hours Tested 24	Choke Size N/A	Prod'n For Test Period	Oil - Bbl. 17	Gas - MCF 10	Water - Bbl. 2116	Gas - Oil Ratio 588
Flow Tubing Press. 50	Casing Pressure 35	Calculated 24-Hour Rate	Oil - Bbl. 17	Gas - MCF 10	Water - Bbl. 2116	Oil Gravity - API (Carr.) 35	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

Test Witnessed By

C. Whitley

30. List Attachments

Logs (4 ea.), Directional Survey, Inclination Report

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Mark Stephens

Printed Name

Mark Stephens

Title Reg. Comp. Analyst Date 6/30/03

• Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 87240  
District II  
811 South First, Artesia, NM 87210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-103  
Revised March 25, 1999

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)		WELL API NO. 30-025-36247
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Occidental Permian Limited Partnership		6. State Oil & Gas Lease No.
3. Address of Operator P.O. Box 4294, Houston, TX 77210-4294		7. Lease Name or Unit Agreement Name:  North Hobbs G/SA Unit
4. Well Location  Unit Letter <u>N</u> : <u>627</u> feet from the <u>South</u> line and <u>1782</u> feet from the <u>West</u> line  Section <u>30</u> Township <u>18-S</u> Range <u>38-E</u> NMPM County <u>Lea</u>		8. Well No. 527
		9. Pool name or Wildcat Hobbs; Grayburg - San Andres
		10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3649' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐

OTHER: ☐ OTHER: Run 5-1/2" Casing ☒

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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

5/27/03 -

5/28/03: Run 108 jts. 5-1/2", 15.5#, J-55, LT&C casing with 14 centralizers and set at 4435'. Cement first stage with 250 sx. Premium Plus. Plug down. Open DV tool and circulate 80 sx. to surface. Circulate 4 hours between stages. Cement second stage with 500 sx. Interfill 'C' (lead) x 100 sx. Premium Plus (tail). Plug down and circulate 128 sx. to surface. Nipple down BOP x set slips x rig down.

Release drilling rig at 8:30 p.m., 5/28/03.

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

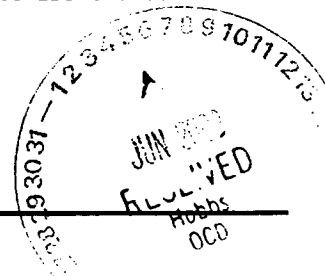
SIGNATURE Mark Stephens TITLE Regulatory Compliance Analyst DATE 6/2/03

Type or print name Mark Stephens Telephone No. 281/552-1158

(This space for State use)

APPROVED BY [Signature] OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE JUN 17 2003

Conditions of approval, if any





Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 87240  
District II  
811 South First, Artesia, NM 87210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-103  
Revised March 25, 1999

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)		<b>WELL API NO.</b> 30-025-36247
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Occidental Permian Limited Partnership		6. State Oil & Gas Lease No.
3. Address of Operator P.O. Box 4294, Houston, TX 77210-4294		7. Lease Name or Unit Agreement Name:  North Hobbs G/SA Unit
4. Well Location  Unit Letter <u>N</u> : <u>627</u> feet from the <u>South</u> line and <u>1782</u> feet from the <u>West</u> line  Section <u>30</u> Township <u>18-S</u> Range <u>38-E</u> NMPM County <u>Lea</u>		8. Well No. 527
		9. Pool name or Wildcat Hobbs; Grayburg - San Andres
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3649' GR		

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐

OTHER: ☐ OTHER: Spud & Run Surface Casing ☒

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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

5/19/03: MI x RU. Spud 12-1/4" hole at 9:00 p.m. (NMCD notified)

5/20/03 -

5/21/03: Run 38 jts. 8-5/8", 24#, J-55, ST&C casing with 10 centralizers and set at 1536' Cement with 550 sx. PBCZ lead and 300 sx. Premium Plus tail. Circulate 147 sx. to Hobbs surface. Plug down x WOC. Nipple up BOPE x test to 1200 psi. TIH x PU drill pipe. OGD Test pipe rams x annular to 1200 psi. Drill out cement and resume drilling operations.

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

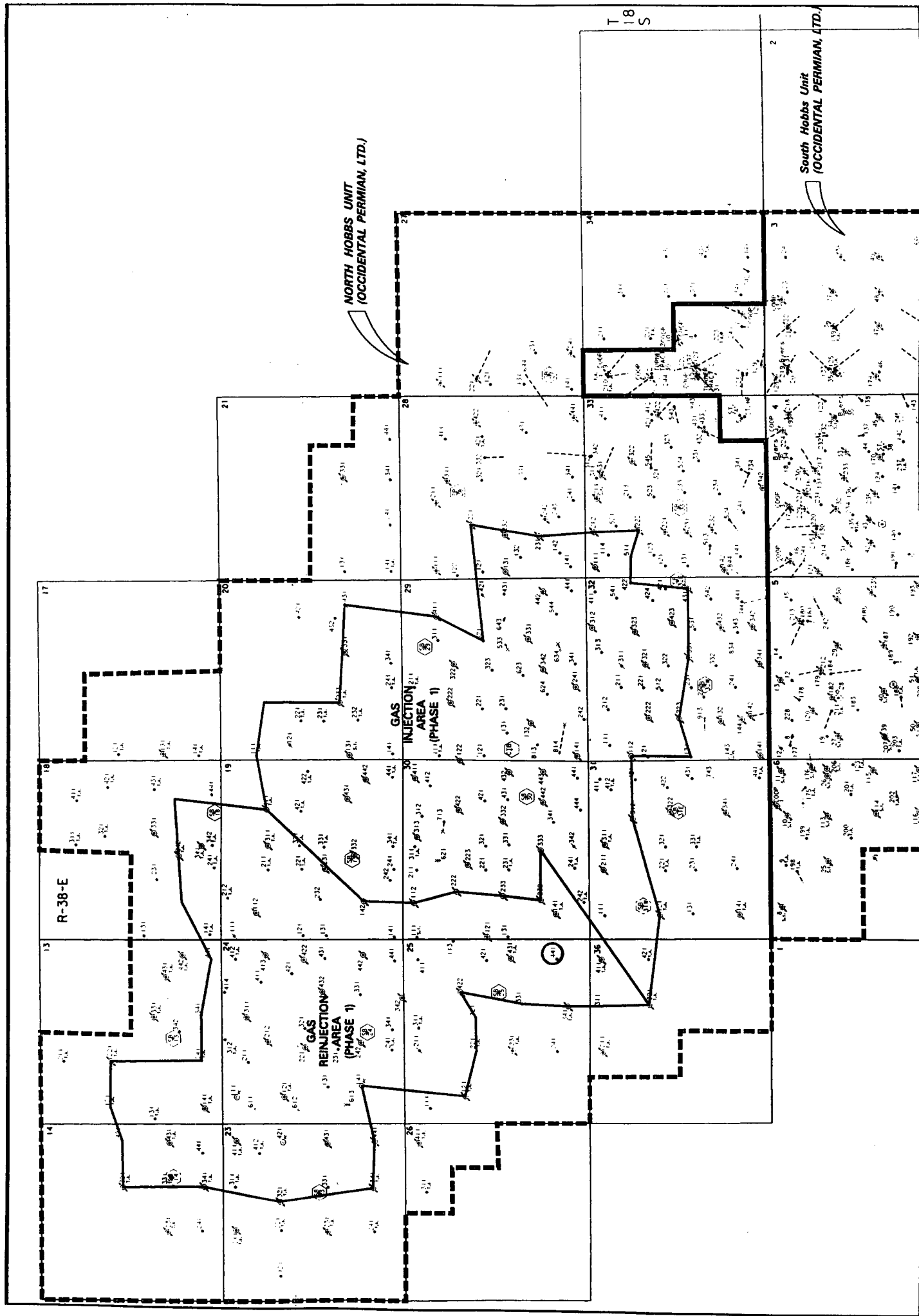
SIGNATURE Mark Stephens TITLE Regulatory Compliance Analyst DATE 5/22/03

Type or print name Mark Stephens Telephone No. 281/552-1158

This space for State use)

APPROVED BY GARY W. WINK ORIGINAL SIGNATURE DATE MAY 28 2003  
Conditions of approval, if any: OC FIELD REPRESENTATIVE II/STAFF MANAGER

Exhibit 2.0 - Showing the location of Well No. 441 in the Phase 1 Gas Reinjection Area



## LIST OF OFFSET OPERATORS & SURFACE OWNERS

---

North Hobbs (Grayburg/San Andres) Unit  
Well No. 441  
API No. 30-025-05499  
Letter P, Section 25, T-18-S, R-37-E  
Lea County, New Mexico

### **Offset Operators**

---

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

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

Rice Operating Company  
122 West Taylor  
Hobbs, NM 88240

### **Surface Owner**

---

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

**SENDER: COMPLETE THIS SECTION**

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

1. Article Addressed to:

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

2. Article Number

(Transfer from service label)

7001 0320 0002 0354 8216

PS Form 3811, March 2001

Domestic Return Receipt

102595-01-M-1424

**COMPLETE THIS SECTION ON DELIVERY**

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

C. Signature

X

☐ Agent  
☐ AddresseeD. Is delivery address different from item 1? ☐ YesIf 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 Company  
122 West Taylor  
Hobbs, NM 88240

2. Article Number

(Transfer from service label)

7001 0320 0002 0354 8223

PS Form 3811, March 2001

Domestic Return Receipt

102595-01-M-1424

**COMPLETE THIS SECTION ON DELIVERY**

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

C. Signature

X

☐ Agent  
☐ AddresseeD. Is delivery address different from item 1? ☐ YesIf 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:

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

2. Article Number

(Transfer from service label)

7001 0320 0002 0354 8230

PS Form 3811, March 2001

Domestic Return Receipt

102595-01-M-1424

**COMPLETE THIS SECTION ON DELIVERY**

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

C. Signature

X

☐ Agent  
☐ AddresseeD. Is delivery address different from item 1? ☐ YesIf 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

April 29 2005

and ending with the issue dated

April 29 2005

Kathi Bearden

Publisher

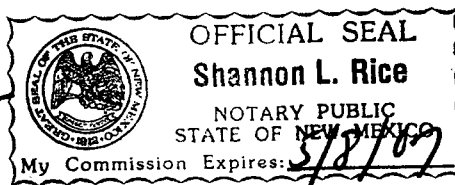
Sworn and subscribed to before

me this 29th day of

April 2005

Notary Public.

My Commission expires  
February 07, 2009  
(Seal)



LEGAL NOTICE  
April 29, 2005

Notice is hereby given of the application of Occidental Permian Limited Partnership, Attn: Mark Stephens, P.O. Box 4294, Rm. 19.013 - GRWY 5, Houston, TX 77210-4294 (713/366-5158), to the Oil Conservation Division, New Mexico Energy, Minerals and Natural Resources Department, for approval of the following injection wells (5 ea.) for the purpose of tertiary recovery:

Pool Name: Hobbs; Grayburg - San Andres

Lease/Unit Name: North Hobbs G/SA Unit

Well No. 131

Loc: 2310' FSL & 330' FWL, Unit Letter L, Sec. 19, T-18-S, R-38-E, Lea Co., NM

Well No. 441

Loc: 990' FSL & 330' FEL, Unit Letter P, Sec. 25, T-18-S, R-37-E, Lea Co., NM

Well No. 111

Loc: 330' FNL & 330' FWL, Unit Letter D, Sec. 30, T-18-S, R-38-E, Lea Co., NM

Well No. 131

Loc: 2310' FSL & 330' FWL, Unit Letter L, Sec. 30, T-18-S, R-38-E, Lea Co., NM

Well No. 242

Loc: 200' FSL & 1400' FWL, Unit Letter N, Sec. 30, T-18-S, R-38-E, Lea Co. NM

The injection formation is the Hobbs; Grayburg - San Andres Pool Between the intervals of +/-3680' and +/-5300' below the surface of the ground. Expected maximum injection rate is 9000 B/D (water)/15,000 MCF/D (CO2 & produced gas), and the expected maximum injection pressure is approximately 1100 psi (water)/1250 psi (CO2)/1770 psi (CO2 & produced gas). Interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 S. St. Francis Dr., Santa Fe, NM 87505 within fifteen (15) days.  
#21482

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.

02101173000 67530027  
Occidental Permian Limited  
P. O. Box 4294  
Houston, TX 77210-4294