

ABOVE THIS LINE FOR DIVISION USE ONLY

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



233

**ADMINISTRATIVE APPLICATION CHECKLIST**

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

**Application Acronyms:**

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

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

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

Check One Only for [B] or [C]

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

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

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

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

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

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

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

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

Mark Stephens  
 Print or Type Name

Mark Stephens  
 Signature

Reg. Comp. Analyst  
 Title

July 26, 2005  
 Date

Mark\_Stephens@oxy.com  
 e-mail Address



July 26, 2005

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

**RECEIVED**  
JUL 27 2005  
OIL CONSERVATION  
DIVISION

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. 632 (30-025-37214)  
Letter J, Section 31, T-18-S, R-38-E  
Lea County, NM

Gentlemen:

Occidental Permian Limited Partnership respectfully requests administrative approval for expansion of the subject pressure maintenance project by the drilling and completion of North Hobbs (G/SA) Unit Well No. 632 as an injection well. 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. 111). 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
- Exhibits 1.0 & 1.1 – Area of Review Data

**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 Stephen*    DATE: \_\_\_\_\_ July 26, 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



- Exhibit 2.0 – Showing nearby wells which have previously been approved for similar injectants/rates in accordance with Order No. R-6199-B
- 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)

Attachment To Form C-108  
Miscellaneous Data

North Hobbs (Grayburg/San Andres) Unit  
Well No. 632  
API No. 30-025-37214  
Letter J, Section 31, T-18-S, R-38-E  
Lea County, New Mexico

III. Well Data

- B.(5) Next higher oil zone -- Byers (Queen) @ +/- 3700'  
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\*  
    <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 completion work  
(approx. 2000 gal. 15% HCL)

XI. Fresh Water Sample Analysis

(Laboratory Services, Inc. analysis attached – 2 ea., for nearby Well No. 211 in  
Section 31)

- 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.

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NAME: Mark Stephens    TITLE: Reg. Comp. Analyst

SIGNATURE: *Mark Stephen*    DATE: July 26, 2005

E-MAIL ADDRESS: Mark Stephens@oxy.com

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Attachment To Form C-108  
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API No. 30-025-37214  
Letter J, Section 31, T-18-S, R-38-E  
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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\*  
    <will not exceed 2400 psi bottomhole pressure>  
(\* In accordance with Order No. R-6199-B, effective 10/22/01)
  
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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:	CTB Pump Dis. #4	Sample Temp:	70
Lease:	OXY	Date Sampled:	1/19/2005
Location:		Sampled by:	Mike Athey
Date Run:	1/25/2005	Employee #:	27-008
Lab Ref #:	05-jan-n23828	Analyzed by:	DOM

### *Dissolved Gases*

		Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulfide (H <sub>2</sub> S)		92.00	16.00	5.75
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> )		1,045.20	20.10	52.00
Magnesium (Mg <sup>++</sup> )		292.80	12.20	24.00
Sodium (Na <sup>+</sup> )		3,325.19	23.00	144.57
Barium (Ba <sup>++</sup> )	<b>NOT ANALYZED</b>			
Manganese (Mn <sup>+</sup> )		.05	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> )		2,248.48	61.10	36.80
Sulfate (SO <sub>4</sub> <sup>=</sup> )		1,400.00	48.80	28.69
Chloride (Cl <sup>-</sup> )		5,506.05	35.50	155.10
Total Iron (Fe)		0.25	18.60	.01
Total Dissolved Solids		13,910.02		
Total Hardness as CaCO <sub>3</sub>		3,813.48		
Conductivity MICROMHOS/CM		24,500		

pH	6.340	Specific Gravity 60/60 F.	1.010
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CaSO <sub>4</sub> Solubility @ 80 F.	38.77	MEq/L,	CaSO <sub>4</sub> scale is unlikely
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#### *CaCO<sub>3</sub> Scale Index*

70.0	.224	100.0	.564	130.0	1.124
80.0	.344	110.0	.824	140.0	1.124
90.0	.564	120.0	.824	150.0	1.404

*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 31-211

**SAMPLED BY**      \_\_\_\_\_

**DATE TAKEN**      5/11/00

**REMARKS**      T18S-R38E-Sec 31, Qtr Sec. 1,2.2

Barium as Ba	0	
Carbonate alkalinity PPM	0	
Bicarbonate alkalinity PPM	200	
pH at Lab	7.13	
Specific Gravity @ 60°F	1	
Magnesium as Mg	139	
Total Hardness as CaCO3	240	
Chlorides as Cl	56	
Sulfate as SO4	400	
Iron as Fe	0	
Potassium	0.08	
Hydrogen Sulfide	0	
Rw	12	23.0 C
Total Dissolved Solids	915	
Calcium as Ca	101	
Nitrate	11.9	

Results reported as Parts per Million unless stated

Langelier Saturation Index      + 0.03

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 31-211

**SAMPLED BY**

**DATE TAKEN** 5/11/00

**REMARKS** T31S-R38E-Sec 31, Qtr Sec 2,4,3

Barium as Ba	0	
Carbonate alkalinity PPM	0	
Bicarbonate alkalinity PPM	200	
pH at Lab	7.1	
Specific Gravity @ 60°F	1	
Magnesium as Mg	186	
Total Hardness as CaCO3	320	
Chlorides as Cl	424	
Sulfate as SO4	125	
Iron as Fe	0.2	
Potassium	0.12	
Hydrogen Sulfide	0	
Rw	9	23.0 C
Total Dissolved Solids	1,088	
Calcium as Ca	134	
Nitrate	6.2	

Results reported as Parts per Million unless stated

Langelier Saturation Index - 0.50

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

State of New Mexico

Energy, Minerals and Natural Resources Department

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

OIL CONSERVATION DIVISION  
1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

Form C-102  
Revised JUNE 10, 2003  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number 30-025-37214	Pool Code 31920	Pool Name Hobbs; Grayburg - San Andres
Property Code 19520	Property Name NORTH HOBBS G/SA UNIT	Well Number 31632
OGRID No. 157984	Operator Name OCCIDENTAL PERMIAN, LTD	Elevation 3637'

Surface Location

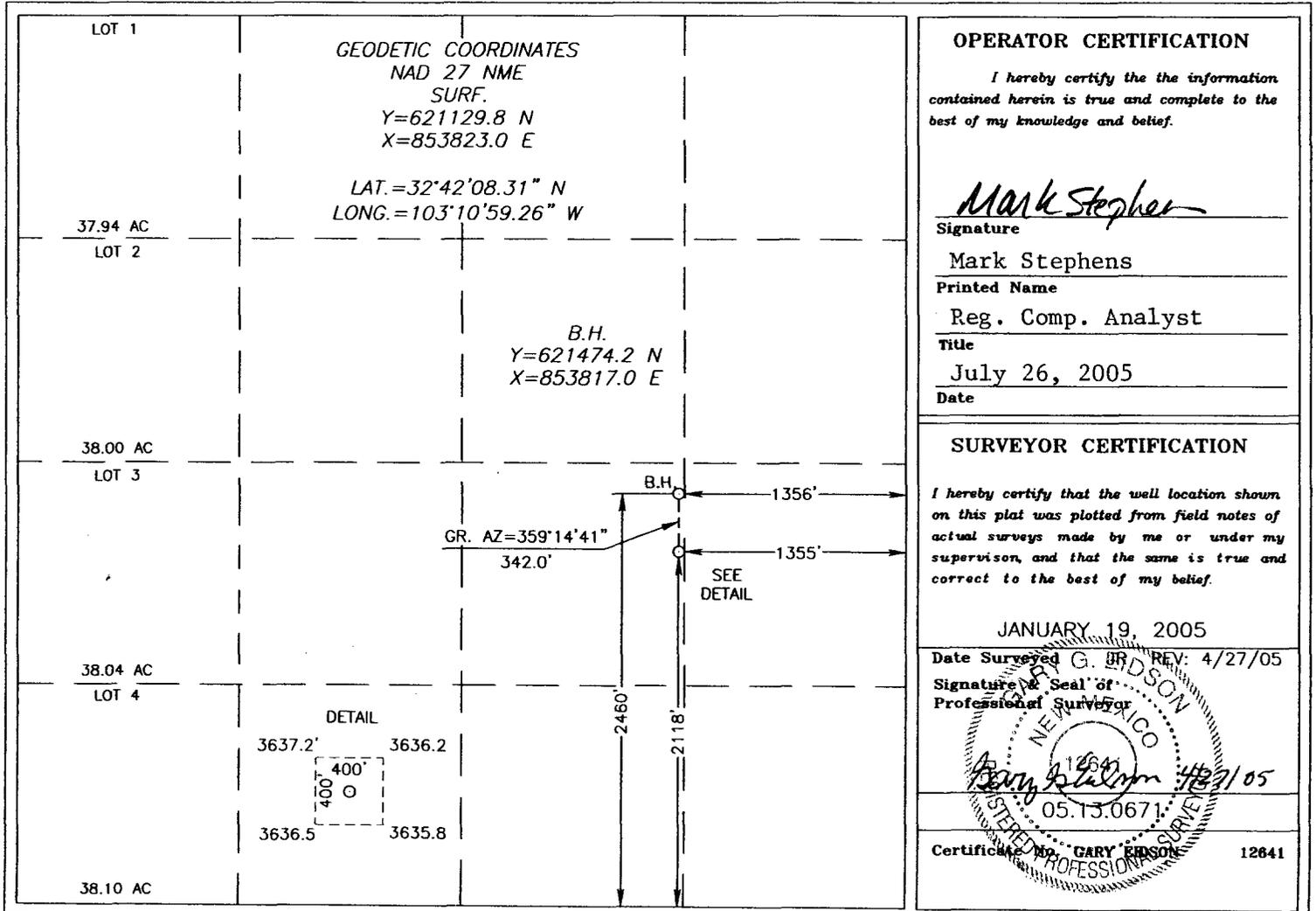
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	31	18-S	38-E		2118	SOUTH	1355	EAST	LEA

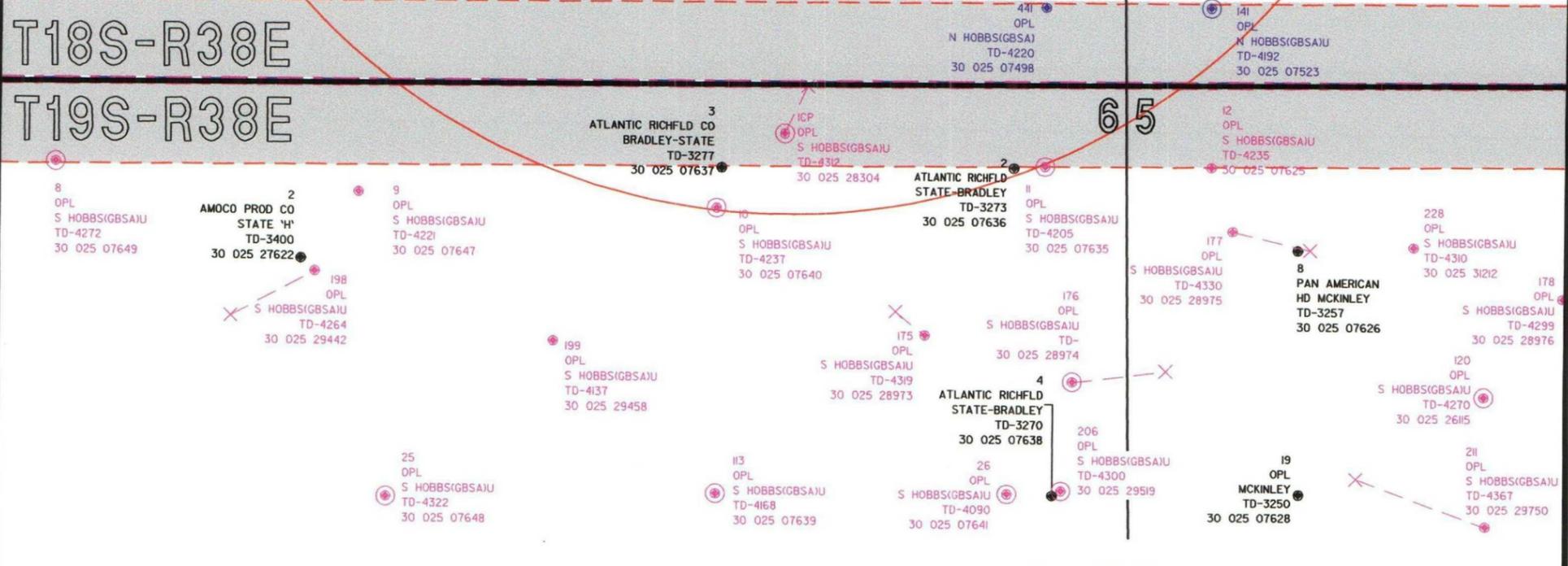
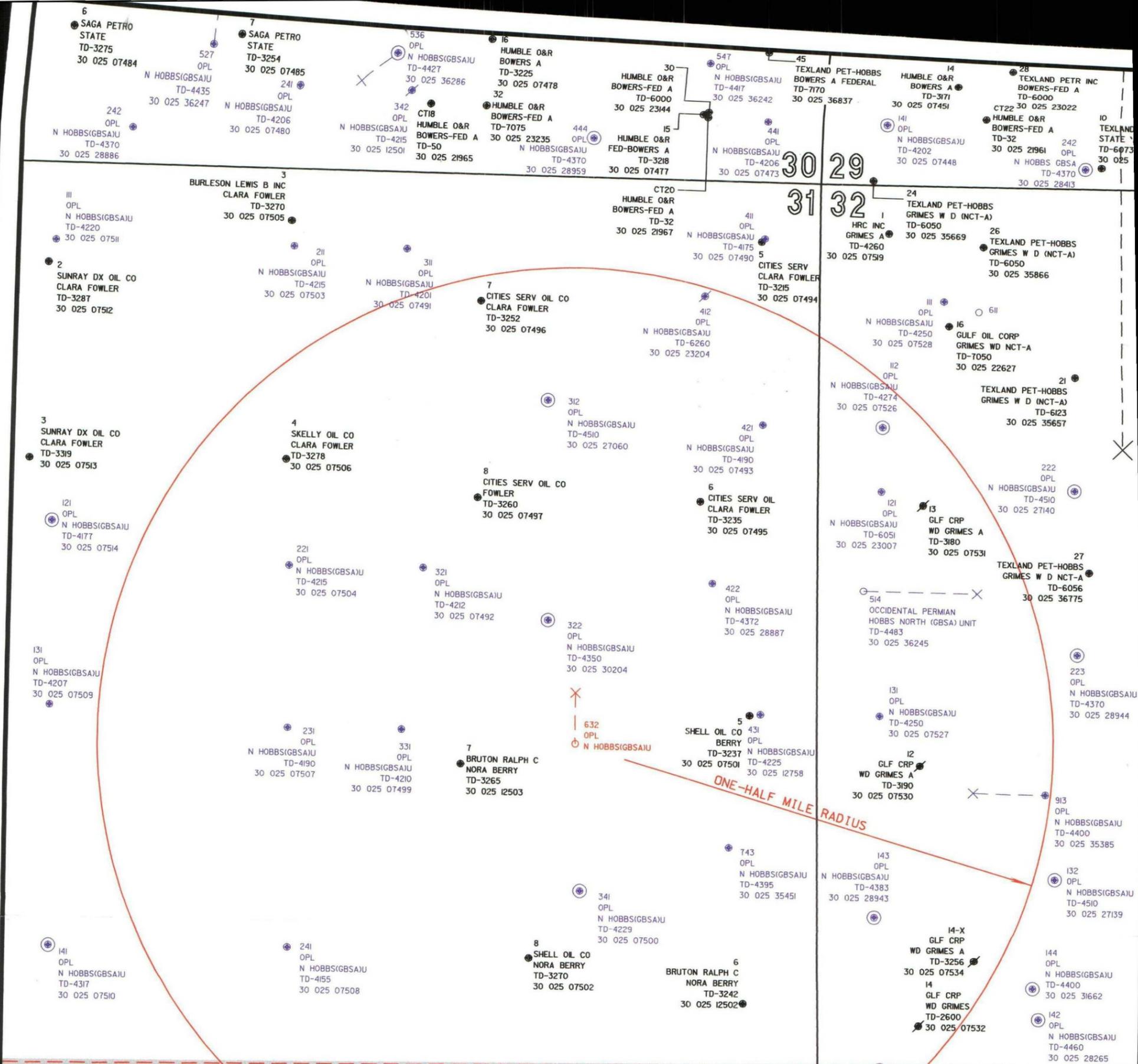
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	31	18-S	38-E		2460	SOUTH	1356	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

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





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



Area of Review Plat  
**NORTH HOBBS (GRAYBURG  
SAN ANDRES) UNIT**

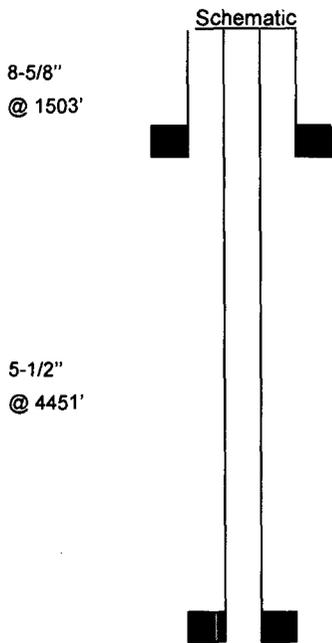
WELL NO. 31-632

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

Scale: 1" = 600' 03-17-2005 nm438\_2005.dgn  
Plat prepared by PJE Drafting, Inc.  
For Horizon Survey, Inc.

**INJECTION WELL DATA SHEET**

Operator <b>Occidental Permian Limited Partnership</b>		Lease <b>North Hobbs G/SA Unit</b>		County <b>Lea</b>	
Well No. <b>632</b>	Footage Location <b>2118' FSL &amp; 1355' FEL</b>	Section <b>31</b>	Township <b>18-S</b>	Range <b>38-E</b>	Unit Letter <b>J</b>



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>8- 5/8"</u>	Cemented with	<u>850</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size	_____		
<u>Intermediate Casing</u>			
Size	_____	Cemented with	_____ sxs.
TOC	_____	Determined by	_____
Hole size	_____		
<u>Long string Casing</u>			
Size	<u>5-1/2"</u>	Cemented with	<u>950</u> sxs.
TOC	<u>SURF</u>	Determined by	<u>CIRC</u>
Hole size	_____		
<u>Liner</u>			
Size	_____	Cemented with	_____ sxs.
TOC	_____	Determined by	_____
Hole size	_____		
<u>Total depth</u>	<u>4451'</u>		

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 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? \_\_\_\_\_
- 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), +/- 3700'; Glorieta, 5300'

Submit 3 Copies To Appropriate District Office  
 District I  
 1625 N. French Dr., Hobbs, NM 87240  
 District II  
 1301 W. Grand Ave., 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 and Natural Resources

Form C-103  
 May 27, 2004

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

WELL API NO. 30-025-37214
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: North Hobbs G/SA Unit
8. Well Number 632
9. OGRID Number 157984
10. Pool name or Wildcat Hobbs; Grayburg - San Andres

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  Gas Well  Other

2. Name of Operator  
 Occidental Permian Limited Partnership

3. Address of Operator  
 P.O. Box 4294, Houston, TX 77210-4294

4. Well Location  
 SHL Unit Letter J : 2118 feet from the South line and 1355 feet from the East line  
 BHL Section J 31/31 Township 18-S Range 38-E 1356 NMPM County East Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
 3637' GR

Pit or Below-grade Tank Application  or Closure

Pit type \_\_\_\_\_ Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well \_\_\_\_\_ Distance from nearest surface water \_\_\_\_\_

Pit Liner Thickness: \_\_\_\_\_ mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

12. 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
- OTHER:

SUBSEQUENT REPORT OF:

- REMEDIAL WORK  ALTERING CASING
- COMMENCE DRILLING OPNS.  PLUG AND ABANDONMENT
- CASING TEST AND CEMENT JOB
- OTHER: Spud & Run Surface Casing

13. 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.

See Attachment



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines  , a general permit  or an (attached) alternative OCD-approved plan

SIGNATURE Mark Stephens TITLE Regulatory Compliance Analyst DATE 6/2/05  
 E-mail address: Mark\_Stephens@oxy.com  
 Type or print name Mark Stephens Telephone No. (713) 366-5158

For State Use Only

APPROVED BY \_\_\_\_\_ TITLE PAUL F. KAUTZ DATE JUN 10 2005  
 Conditions of Approval, if any: \_\_\_\_\_  
PETROLEUM ENGINEER

5/29/05: MI x RU. Spud 12-1/4" hole at 10:00 a.m. (NMOCD notified)

5/30/05: Run 36 jts. 8-5/8", 24#. J-55, ST&C casing with 10 centralizers and set at 1503'.  
RU Halliburton and cement with 450 sx. PBCZ lead and 400 sx. Premium Plus tail.  
Displace with 20 bbls FW x 73 bbls brine and circulate 192 sx. cement to surface.  
WOC 4 hours. Cut off casing x weld on wellhead. NU BOP. Test casing and blind rams  
to 1500 psi. Test pipe rams, annular, and choke manifold to 1500 psi. Drill out  
cement and resume drilling operations.

Submit 3 Copies To Appropriate District Office  
 District I  
 1625 N. French Dr., Hobbs, NM 87240  
 District II  
 1301 W. Grand Ave., 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 and Natural Resources

Form C-103  
 May 27, 2004

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

WELL API NO. 30-025-37214
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: North Hobbs G/SA Unit
8. Well Number 632
9. OGRID Number 157984
10. Pool name or Wildcat Hobbs; Grayburg - San Andres

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  Gas Well  Other

2. Name of Operator  
 Occidental Permian Limited Partnership

3. Address of Operator  
 P.O. Box 4294, Houston, TX 77210-4294

4. Well Location  
 SHL Unit Letter J : 2118 feet from the South line and 1355 feet from the East line  
 BHL Section J 2640 Township 18-S Range 38-E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
 3637' GR

Pit or Below-grade Tank Application  or Closure

Pit type \_\_\_\_\_ Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well \_\_\_\_\_ Distance from nearest surface water \_\_\_\_\_

Pit Liner Thickness: \_\_\_\_\_ mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

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

NOTICE OF INTENTION TO:

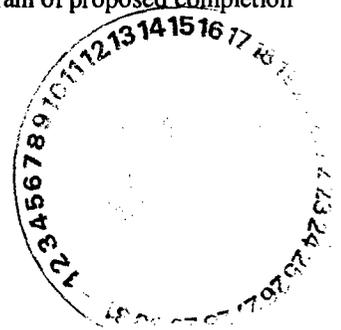
- PERFORM REMEDIAL WORK  PLUG AND ABANDON
- TEMPORARILY ABANDON  CHANGE PLANS
- PULL OR ALTER CASING  MULTIPLE COMPLETION
- OTHER:

SUBSEQUENT REPORT OF:

- REMEDIAL WORK  ALTERING CASING
- COMMENCE DRILLING OPNS.  PLUG AND ABANDONMENT
- CASING TEST AND CEMENT JOB
- OTHER: Run 5-1/2" Production Casing

13. 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.

See Attachment



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines  , a general permit  or an (attached) alternative OCD-approved plan

SIGNATURE Mark Stephens TITLE Regulatory Compliance Analyst DATE 6/14/05  
 E-mail address: Mark\_Stephens@oxy.com Telephone No. (713) 366-5158

For State Use Only

APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 Conditions of Approval, if any:

ORIGINAL SIGNED BY  
 PAUL F. KAUTZ  
 PETROLEUM ENGINEER

JUN 22 2005

6/8/05 -

6/9/05: Run 108 jts. 5-1/2". 15.5#, J-55. LT&C casing with 10 centralizers and set at 4451'.  
RU Halliburton and cement first stage with 250 sx. Premium Plus. Displace with 30 bbls.  
FW x 74 bbls. mud. Drop bomb, open DV tool, and circulate 45 sx. to surface. Circulate  
4 hours between stages. Cement second stage with 600 sx. Interfill "C" (lead) and 100  
sx. Premium Plus (tail). Plug down x circulate 140 sx. to surface. Set slips x cut off  
casing. NU wellhead x rig down.

Release drilling rig at 6:00 a.m., 6.9/05

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

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

Active Wells (includes SI and TxA'd wells) – 25

Plugged and Abandoned Wells – 13

The subject well's Area of Review shows that there are 7 wells which were not a part of the previous AOR done in conjunction with Oxy's August, 2001 application to amend Order No. R-6199. These wells are:

**South Hobbs (GSA) Unit Coop No. 1 (30-025-28304)**

Sec. 6, T-19-S, R-38-E, Lea Co.

Well is an active injector (Form C-105 attached)

**South Hobbs (GSA) Unit No. 10 (30-025-07640)**

Sec. 6, T-19-S, R-38-E, Lea Co.

Well was pxa'd September, 2004 (Form C-103 and wellbore diagram attached)

**South Hobbs (GSA) Unit No. 11 (30-025-07635)**

Sec. 6, T-19-S, R-38-E, Lea Co.

Well is an active injector (Wellbore diagram attached)

**O.O. Bradley No. 2 (30-025-07636)**

Sec. 6, T-19-S, R-38-E, Lea Co.

Well was pxa'd October, 1975 (Form C-103, Notice of Intent and Subsequent Report attached)

**O.O. Bradley No. 3 (30-025-07637)**

Sec. 6, T-19-S, R-38-E, Lea Co.

Well was pxa'd October, 1975 (Form C-103, Notice of Intent and Subsequent Report attached)

**North Hobbs G/SA Unit No. 412 (30-025-23204)**

Sec. 31, T-18-S, R-38-E, Lea Co.

Well was pxa'd October, 2002 (Form C-103 and wellbore diagram attached)

Page 2

**Exhibit 1.0 – Area of Review Data**

**North Hobbs G/SA Unit No. 514** (30-025-36245)

Sec. 32, T-18-S, R-38-E, Lea Co.

Well was drilled and completed in May, 2003

(Form C-103, 2 ea., and Form C-105 attached)

Mark Stephens 7/26/05

Mark Stephens  
Regulatory Compliance Analyst  
Occidental Permian Limited Partnership

WF

Form C-105  
Revised 11-1-83

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED		
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SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

5a. Indicate Type of Lease  
State  Fee

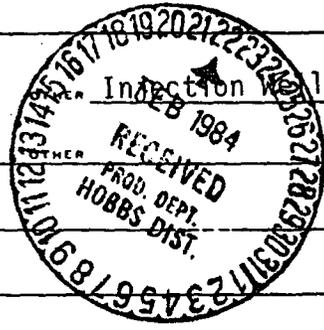
5. State Oil & Gas Lease No.  
A-1646-5

7. Unit Agreement Name

8. Form or Lease Name  
South Hobbs (GSA) Ut. Coop.

9. Well No.  
1

10. Field and Pool, or Wildcat  
Hobbs GSA



1a. TYPE OF WELL  
OIL WELL  GAS WELL  DRY

b. TYPE OF COMPLETION  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESVR.

2. Name of Operator  
Amoco Production Company

3. Address of Operator  
P. O. Box 68 Hobbs, NM 88240

4. Location of Well  
SL/BHL B LOCATED 200/9 FEET FROM THE North LINE AND 1380/1288 FEET FROM

THE East LINE OF SEC. 6 TWP. 19-S RGE. 38-E

11. County  
Lea

15. Date Spudded 9-2-83 16. Date T.D. Reached 9-17-83 17. Date Compl. (Ready to Prod.) 2-10-84 18. Elevations (DF, RKB, RT, GR, etc.) 3626.6' GL 19. Elev. Casinghead --

20. Total Depth 4312' 21. Plug Back T.D. 4286' 22. If Multiple Compl., How Many -- 23. Intervals Drilled By Rotary Tools 0-TD Cable Tools --

24. Producing Interval(s), of this completion - Top, Bottom, Name None 25. Was Directional Survey Made Yes

26. Type Electric and Other Logs Run Borehole Comp. Sonic Log; Simultaneous Dual Laterolog; Micro-SFL; Comp. Neutron Log Cased Hole; Cement Bond Log 27. Was Well Cored No

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	1505'	12-1/4"	1100 sx cl C w/add	396 SX
5-1/2"	15.5	4308'	7-7/8"	500 sx cl C Lite w/add & 900 cl C w/add	397 SX

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
							4043'

31. Perforation Record (Interval, size and number)  
4135'-60', 67'-69', 79'-82', 84'-87', 92'-98', 4207'-30', & 34'-39' w/4 SPF

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4135'-4239'	6126 gal 15% NE HCl acid 17 bbl gelled brine water 500# rock salt & 250# 100 mesh salt

33. PRODUCTION  
Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Well Status (Prod. or Shut-in) Injecting

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Test Witnessed By

35. List of Attachments  
Logs mailed 9-23-83 & 10-13-83

36. 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.

SIGNED Cathy L. Forman TITLE Asst. Admin. Analyst DATE 2/20/84

0 + 6 - NMOC, H 1 - R. E. Ogden, Hou 1 - F. J. Nash, Hou 1 - CLF 1 - Petro Lewis  
1 - Texaco 1 - Sun 1 - Shell

Submit 3 Copies To Appropriate District Office  
 District I  
 1625 N. French Dr., Hobbs, NM 88240  
 District II  
 1301 W. Grand Ave., 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 and Natural Resources

Form C-103  
 March 4, 2004

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

WELL API NO. <b>30-025-07640</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.

<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.) 1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other Injector <input type="checkbox"/>	7. Lease Name or Unit Agreement Name <b>South Hobbs (G/SA) Unit</b>
	8. Well Number <b>10</b>
2. Name of Operator <b>Occidental Permian, Ltd.</b>	9. OGRID Number
3. Address of Operator <b>1017 W. Stanolind Rd. Hobbs, NM 88240</b>	10. Pool name or Wildcat <b>Hobbs (G/SA)</b>

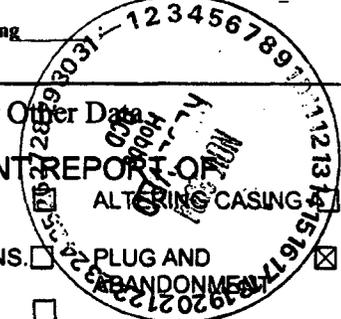
4. Well Location  
 Unit Letter **B** : **480** feet from the **North** line and **1650** feet from the **East** line  
 Section **6** Township **19-S** Range **38-E** NMPM Lea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

**Pit or Below-grade Tank Application (For pit or below-grade tank closures, a form C-144 must be attached)**  
 Pit Location: UL **B** Sect **6** Twp **19S** Rng **38E** Pit type **Steel** Depth to Groundwater **76'** Distance from nearest fresh water well **Over 1000'**  
 Distance from nearest surface water **\_\_\_\_\_** feet from the **\_\_\_\_\_** line and **\_\_\_\_\_** feet from the **\_\_\_\_\_** line  
 Below-grade Tank Location UL **\_\_\_\_\_** Sect **\_\_\_\_\_** Twp **\_\_\_\_\_** Rng **\_\_\_\_\_**

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

<b>NOTICE OF INTENTION TO:</b> 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"/> MULTIPLE COMPLETION <input type="checkbox"/> OTHER: <input type="checkbox"/>	<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> CASING TEST AND CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



13. 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 well log diagram of proposed completion or recompletion.  
**9-1-04 Set CIBP @ 3900'**  
**9-2-04 Circulate well w/ plugging mud. Spot 20 sks of C cement on top of CIBP, est top of cement 3703'. Perf @ 2690' Pressure up on perfs to 2000 psi-Held. Covered w/ 20 sks of cement @ 2740'. Tagged TOC @ 2571'**  
**9-3-04 Perf @ 1650' Pressured up on perfs to 2000 psi-Held. Spot 35 sks of cement @ 1704', pressured up on perfs. Tagged @ 1500'. Spot 45 sks of cement 412'-surface. POH & refill w/ cement**

Cut off wellhead & anchors 3' BGL. Cap well. Install dry hole marker.  
 I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines , a general permit  or an (attached) alternative OCD-approved plan .

SIGNATURE *Jack Shelton* TITLE Agent DATE 9/15/04

Type or print name **Jack Shelton** E-mail address: **jshelton@keyenergy.com** Telephone No. **432-523-5155**  
 (This space for State use)

**OC FIELD REPRESENTATIVE II/STAFF MANAGER**  
 APPROVED BY *Henry W. Wank* TITLE \_\_\_\_\_ DATE **NOV 22 2004**  
 Conditions of approval, if any: \_\_\_\_\_

**SOUTH HOBBS UNIT #10**  
**OXY PERMIAN**  
**Unit B, 480 FNL & 1650 FEL**  
**Sec 6, T-19S, R-38E**

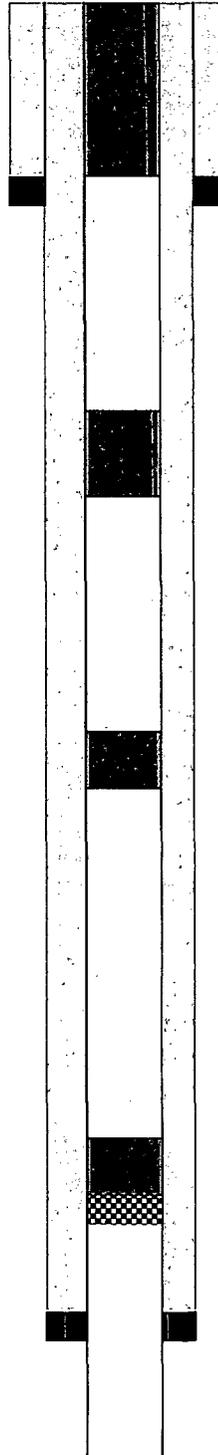
WELL PLUGGED:  
9/3/04

Size: 13.375"  
Depth: 362'  
Hole size: 17.5"  
Cmt: 300 sxs  
TOC: Circ.- Calc.

Size: 5.5"  
Depth: 4095'  
Hole size: 7.875"  
Cmt: 1250 sxs  
TOC: Surf - Est.

Open hole: 4.75"

TD: 4237'



Spotted 45 sxs cement from  
412' to surface.

Displaced hole with plugging  
mud.

Spotted 35 sxs. cmt. at 1704'  
TOC: 1500'

Spotted 20 sxs. of cement  
at 2740'. TOC: 2571'

Set CIBP with 20 sxs cmt  
on top. Est. TOC: 3703'

**SOUTH HOBBS UNIT #11**  
**OXY PERMIAN**  
**Unit A, 330 FNL & 330 FEL**  
**Sec. 6, T-19S, R-38E**

**WELL STATUS:**  
Active injector

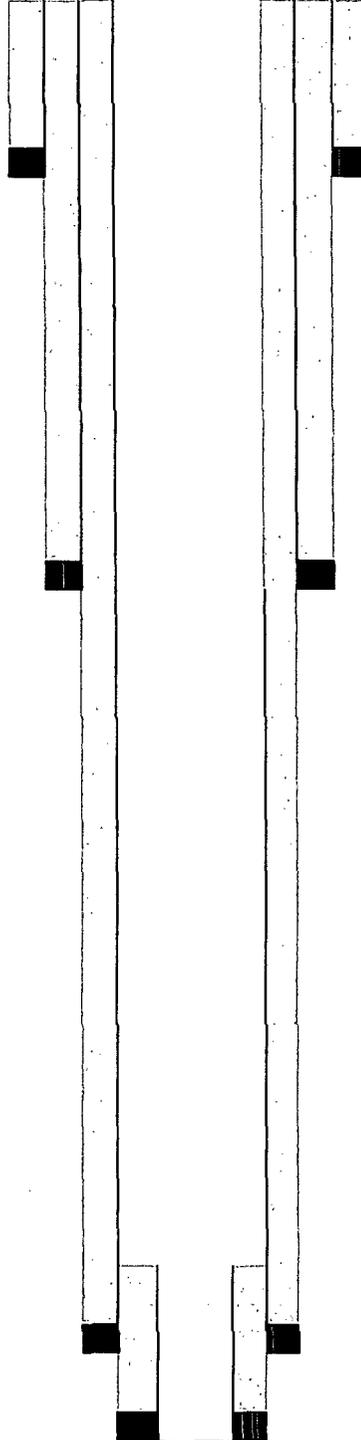
Size: 12.25"  
Depth: 214'  
Hole size: ???  
Cmt: 200 sxs  
TOC: Surf. (Est.)

Size: 9.625"  
Depth: 2810'  
Hole size: 12"-Est.  
Cmt: 500 sxs  
TOC: Unknown

Size: 7"  
Depth: 3968'  
Hole size: 8.75"Est  
Cmt: 300 sxs  
TOC: 2910' - CBL

Size: 4.5" Liner  
Depth: 3792'-4231'  
Hole size: 7"  
Cmt: 80 sxs  
TOC: Circ.

TD: 4231'



NO. RECEIVED			
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OFFICE			
FOR			

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease  
State  Fee   
5. State Oil & Gas Lease No.  
A-166

**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. OIL WELL  GAS WELL  OTHER   
2. Name of Operator  
Atlantic Richfield Company  
3. Address of Operator  
P. O. Box 1710, Hobbs, New Mexico 88240  
4. Location of Well  
UNIT LETTER A 330 FEET FROM THE North LINE AND 480 FEET FROM  
THE East LINE, SECTION 6 TOWNSHIP 19S RANGE 38E NMPM.  
7. Unit Agreement Name  
8. Farm or Lease Name  
O. O. Bradley  
9. Well No.  
2  
10. Field and Pool, or Wildcat  
Bowers Seven Rivers  
15. Elevation (Show whether DF, RT, GR, etc.)  
3636' DF  
12. County  
Lea

16. 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 checked="" 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 AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	

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.

TD 3273'. Presently completed OH 3200-3273'.  
8-5/8" OD 32# H-40 csg set @ 490' & cmtd w/250 sx.  
5-1/2" OD 17# J-55 csg set @ 3200' & cmtd w/800 sx. No temp survey run.  
This well is presently producing 2 BOPD, 8 MCFGPD & has depleted to uneconomical status. No other zones of interest. It is anticipated to be approx 5 to 10 yrs before a waterflood could be initiated. Propose to P&A in the following manner:  
1. Rig up, install BOP & POH w/completion assy.  
2. Pump cmt in OH interval 3273-3200' & 100' up inside 5 1/2" csg. Tag top of cmt w/tbg. Fill hole w/heavy gelled mud between all plugs.  
3. Cut 5 1/2" OD csg as indicated from free pt & pull from approx 2025'.  
4. Spot 100' cmt plug in & out of 5 1/2" OD csg stub @ 2025'.  
5. Spot 100' cmt plug @ top of salt @ 1600'.  
6. Spot 100' cmt plug in & out of 8-5/8" OD csg shoe.  
7. Spot 10 sk cmt plug @ surface, erect dry hole marker, clean & level location free of all junk.

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

SIGNED [Signature] TITLE Dist. Dirg. Supv. DATE 5/28/75

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

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OFFICE		
FOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. A-166	
7. Unit Agreement Name	
8. Farm or Lease Name O. O. Bradley	
9. Well No. 3	
10. Field and Pool, or Wildcat Bowers Seven Rivers	
12. County Lea	

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. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>
2. Name of Operator Atlantic Richfield Company
3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240
4. Location of Well UNIT LETTER <u>B</u> <u>330</u> FEET FROM THE <u>North</u> LINE AND <u>1650</u> FEET FROM THE <u>East</u> LINE, SECTION <u>6</u> TOWNSHIP <u>19S</u> RANGE <u>38E</u> NMPM.
15. Elevation (Show whether DF, RT, GR, etc.) 3637' DF

16. 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 checked="" 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 AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <input type="checkbox"/>

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.

TD 3277'. Presently completed OH interval 3238-3277' & perms 3226-3236'.  
8-5/8" OD 32# H-40 csg set @ 313' & cmtd w/250 sx.  
5-1/2" OD 15.5# J-55 csg set @ 3238' & cmtd w/800 sx. No temp survey run.  
This well is presently producing 2 BOPD, no gas and has depleted to uneconomical status. No other zones of interest. It is anticipated to be approx 5 to 10 years before a waterflood could be initiated. Propose to P&A in the following manner.

1. Rig up, install BOP & POH w/completion assy.
2. Pump cmt thru tbg from 3277-3200' OH & thru perms 3226-3236' and 100' above top perforation inside 5 1/2" csg. Tag top of cmt.
3. Fill hole w/heavy gelled mud between all plugs.
4. Cut 5 1/2" OD csg as indicated from free pt & pull from approx 2030'.
5. Spot 100' cmt plug in & out of 5 1/2" csg stub @ 2030'.
6. Spot 100' cmt plug @ top of salt @ 1600'.
7. Spot 100' cmt plug in & out of 8-5/8" OD csg shoe.
8. Spot 10 sk cmt plug @ surface, erect regulation dry hole marker, clean & level location free of all junk.

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

SIGNED <u>[Signature]</u>	TITLE <u>Dist. Drlg. Supv.</u>	DATE <u>5/28/75</u>
APPROVED BY _____	TITLE _____	DATE <u>JUN</u>

CONDITIONS OF APPROVAL, IF ANY:

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FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.  
A-166

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. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Atlantic Richfield Company	8. Farm or Lease Name O. O. Bradley
3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240	9. Well No. 3
4. Location of Well UNIT LETTER <u>B</u> <u>330</u> FEET FROM THE <u>North</u> LINE AND <u>1650</u> FEET FROM THE <u>East</u> LINE, SECTION <u>6</u> TOWNSHIP <u>19S</u> RANGE <u>38E</u> NMPM.	10. Field and Pool, or Wildcat Bowers Seven Rivers
15. Elevation (Show whether DF, RT, GR, etc.) 3637' DF	12. County Lea

16. 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 AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <input type="checkbox"/>

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 1703.

- On 10/17/75 rigged up, pulled rods & tbg, installed BOP.
- WIH w/5 1/4" CIBP on WL, set @ 3125'. RIH w/2-3/8" tbg & spotted 10 sx Cl C cmt, 71' on top of BP.
- Spotted heavy gelled mud between all cmt plugs.
- Spotted 12 sx Cl C cmt in 5 1/4" OD csg (100' plug) across top of salt @ 1600'.
- Spotted 10 sx Cl C cmt @ surface.
- Installed regulation dry hole marker, cleaned & leveled location. Your office to be notified when location is ready for final inspection.

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

SIGNED [Signature] TITLE Dist. Drlg. Supv. DATE 11/5/75

APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

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

WELL API NO. 30-025-23204
5. Indicate Type of Lease FED <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name NORTH HOBBS (G/SA) UNIT
Section 31
8. Well No. 412
9. Pool name or Wildcat HOBBS (G/SA)
10. Elevation (Show whether DF, RKB, RT GR, etc.) 3651' 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  Gas Well  Other

2. Name of Operator OCCIDENTAL PERMIAN, LTD

3. Address of Operator 1017 W STANOLIND RD.

4. Well Location  
Unit Letter A : 660 Feet From The North Line and 660 Feet From The EAST Line  
Section 31 Township 18S 38E NMPM LEA County

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"/>	

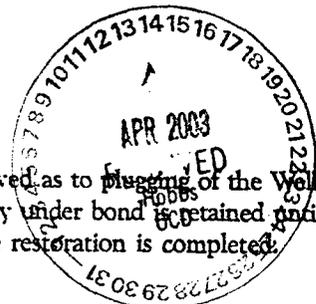
12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

NOTIFY THE NMOCD (24 hrs) BEFORE RIG UP. (393-6161)

RUPU. Set 5.5" CIBP @4000'. Top Perf @4047'. Cap CIBP w/35' cmt. Tag cmt @3965'.  
Circ mud gel from 3965' to 700'.  
Spot cmt @3850' to 3750. Bottom of 8-5/8" csg @3799'.  
Spot cmt @2925' to 2675'. Bottom of salt @2800'.  
Spot cmt @1725' to 1475'. Top of salt @1600'.  
Perforate sqz holes @400'. Bottom of 13-3/8" @343'.  
Circ cmt to surface behind 13-5/8" and 8-5/8" CSG.  
Remove BOP.  
Spot cmt from 400' to surface.  
Cut off wellhead and install dry hole marker.  
RDPU. Clean Location. Well is P&A'd 10/17/2002

Rig Up Date: 10/16/2002  
Rig Down Date: 10/17/2002

Approved as to plugging of the Well Bore.  
Liability under bond is retained until  
surface restoration is completed.



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

SIGNATURE Robert Gilbert TITLE SR. ENGR. TECH DATE 10/21/2002  
TYPE OR PRINT NAME ROBERT GILBERT PHONE NO. 505/397-8206

(This space for State Use)

APPROVED BY \_\_\_\_\_ DATE APR 15 2003  
CONDITIONS OF APPROVAL IF ANY: \_\_\_\_\_  
ORIGINAL SIGNED BY GARY W. TINK  
OC FIELD REPRESENTATIVE II/STAFF MANAGER

**NORTH HOBBS UNIT 31-412**  
**OXY PERMIAN**  
**Unit A, 660 FNL & 660 FEL**  
**Sec. 31, T-18S, R-38E**

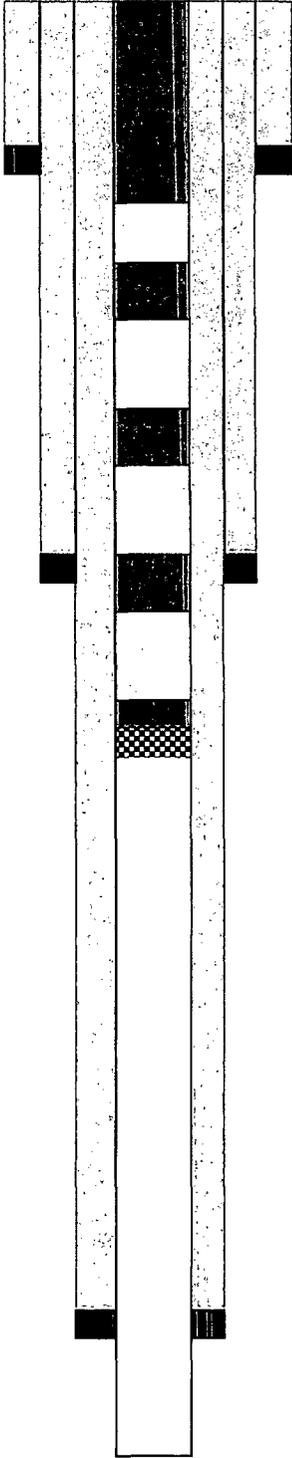
WELL PLUGGED:  
10/17/02

Size: 13.375"  
Depth: 343'  
Hole size: 17.5"  
Cmt: 350 sxs  
TOC: Surf

Size: 8.625"  
Depth: 3799'  
Hole size: 11"  
Cmt: 500 sxs  
TOC: 2372'

Size: 5.5"  
Depth: 6255'  
Hole size: 7.875"  
Cmt: 400 sxs  
TOC: 3080'

TD:6260'



Spot cmt from 400' to surface

Spot cmt @ 1725' to 1475'

Spot cmt @ 2925' to 2675'

Spot cmt @3850' to 3750'

Set CIBP at 4000' with 35 sxs.  
cmt. on top. TOC: 3965'

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.  
 30-025-36245

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.  
 514

9. Pool name or Wildcat  
 Hobbs; Grayburg - San Andres

4. Well Location  
 SHL: Unit Letter E : 2279 Feet From The North Line and 229 Feet From The West Line  
 BHL: E : 2281 2271 North West  
 Section 32 Township 18-S Range 38-E NMPM Lea \_\_\_\_\_ County \_\_\_\_\_

10. Date Spudded 5/9/03 11. Date T.D. Reached 5/16/03 12. Date Compl. (Ready to Prod.) 5/31/03 13. Elevations (DF & RKB, RT, GR, etc.) 3635' GR 14. Elev. Casinghead

15. Total Depth 4483' 16. Plug Back T.D. 4432' 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By 19. Rotary Tools 4483' 20. Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name 4186' - 4320'; Grayburg-San Andres 20. Was Directional Survey Made Yes

21. Type Electric and Other Logs Run HRLA-Micro CFL-HNGS/TDLD-CN-HNGS/BCS-HNGS/HNGRS 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	LOGS PULLED
16	Conductor	40	20	50 SX.	
9-5/8	32	1519	13-3/4	900 SX.	
7	23	4483	8-3/4	950 SX.	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8"	4078	

26. Perforation record (interval, size, and number) 4186' - 4320' (2 JSPF)

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4186' - 4320'	2000 Gal. 15% NEEF HCL

28. PRODUCTION

Date First Production 6/12/03 Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping - ESP, Reda Well Status (Prod. or Shut-in) Producing

Date of Test 6/12/03 Hours Tested 24 Choke Size N/A Prod'n For Test Period Oil - Bbl. 26 Gas - MCF 5 Water - Bbl. 1108 Gas - Oil Ratio 192

Flow Tubing Press. 50 Casing Pressure 35 Calculated 24-Hour Rate Oil - Bbl. 26 Gas - MCF 5 Water - Bbl. 1108 Oil Gravity - API (Corr.) 35

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold Test Witnessed By T. Summers

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 7/2/03

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

Form C-103  
 Revised March 25, 1999

OIL CONSERVATION DIVISION  
 2040 South Pacheco  
 Santa Fe, NM 87505

WELL API NO. 30-025-36245
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:  North Hobbs G/SA Unit
8. Well No. 514
9. Pool name or Wildcat Hobbs; Grayburg - San Andres
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3635' GR

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  Gas Well  Other

2. Name of Operator  
 Occidental Permian Limited Partnership

3. Address of Operator  
 P.O. Box 4294, Houston, TX 77210-4294

4. Well Location  
 Unit Letter E : 2279 feet from the North line and 229 feet from the West line  
 Section 32 Township 18-S Range 38-E NMPM County Lea

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

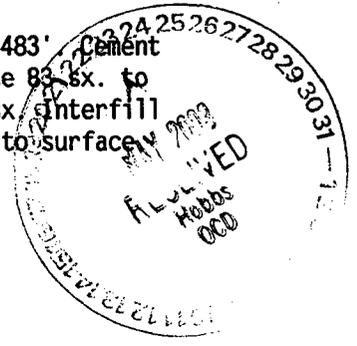
OTHER:  OTHER: Run 7" Casing

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.

5/17/03 -

5/18/03: Run 109 jts. 7". 23#, J-55, LT&C casing with 14 centralizers and set at 4483' Cement first stage with 250 sx. Premium Plus. Plug down. Open DV tool x circulate 83 sx. to surface. Circulate 4 hours between stages. Cement second stage with 600 sx. interfill 'C' (lead) x 100 sx. Premium Plus (tail). Plug down and circulate 70 sx. to surface. Nipple down x set slips x rig down.

Release drilling rig at 7:30 a.m., 5/18/03.



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 5/20/03

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

APPROVED BY GARY W. WINK TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE MAY 28 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

Form C-103  
 Revised March 25, 1999

OIL CONSERVATION DIVISION  
 2040 South Pacheco  
 Santa Fe, NM 87505

WELL API NO. 30-025-36245
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.

**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  Gas Well  Other

7. Lease Name or Unit Agreement Name:  
 North Hobbs G/SA Unit

2. Name of Operator  
 Occidental Permian Limited Partnership

8. Well No.  
 514

3. Address of Operator  
 P.O. Box 4294, Houston, TX 77210-4294

9. Pool name or Wildcat  
 Hobbs; Grayburg - San Andres

4. Well Location  
 Unit Letter E : 2279 feet from the North line and 229 feet from the West line  
 Section 32 Township 18-S Range 38-E NMPM County Lea

10. Elevation (Show whether DR, RKB, RT, GR, etc.)  
 3635' 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:

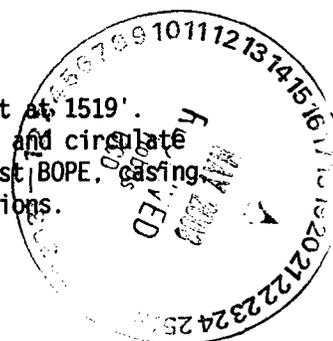
- REMEDIAL WORK  ALTERING CASING   
 COMMENCE DRILLING OPNS.  PLUG AND ABANDONMENT   
 CASING TEST AND CEMENT JOB

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.

5/9/03: MI x RU. Spud 13-3/4" hole at 11:00 p.m. (NMOCD notified)

5/11/03: Run 37 jts. 9-5/8", 32#, J-55, LT&C casing with 11 centralizers and set at 1519'. Cement with 600 sx. PBCZ lead and 300 sx. Premium Plus tail. Plug down and circulate 138 sx. to surface. WOC. Cut off casing x weld on wellhead. NU BOP. Test BOPE, casing and pipe rams to 1100 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 05/14/03

Type or print name Mark Stephens ORIGINAL SIGNED BY GARY W. WINK Telephone No. 281/552-1158

This space for State use)

OC FIELD REPRESENTATIVE II/STAFF MANAGER

MAY 21 2003

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of approval, if any:

**Exhibit 1.1 – List of Wells Within the AOR**

**Section 6, T-19-S, R-38-E**

South Hobbs (GSA) Unit No. 10 (30-025-07640) <PxA>  
South Hobbs (GSA) Unit No. 11 (30-025-07635)  
South Hobbs (GSA) Unit Coop No. 1 (30-025-28304)  
O.O. Bradley No. 2 (30-025-07636) <PxA>  
O.O. Bradley No. 3 (30-025-07637) <PxA>

**Section 31, T-18-S, R-38-E**

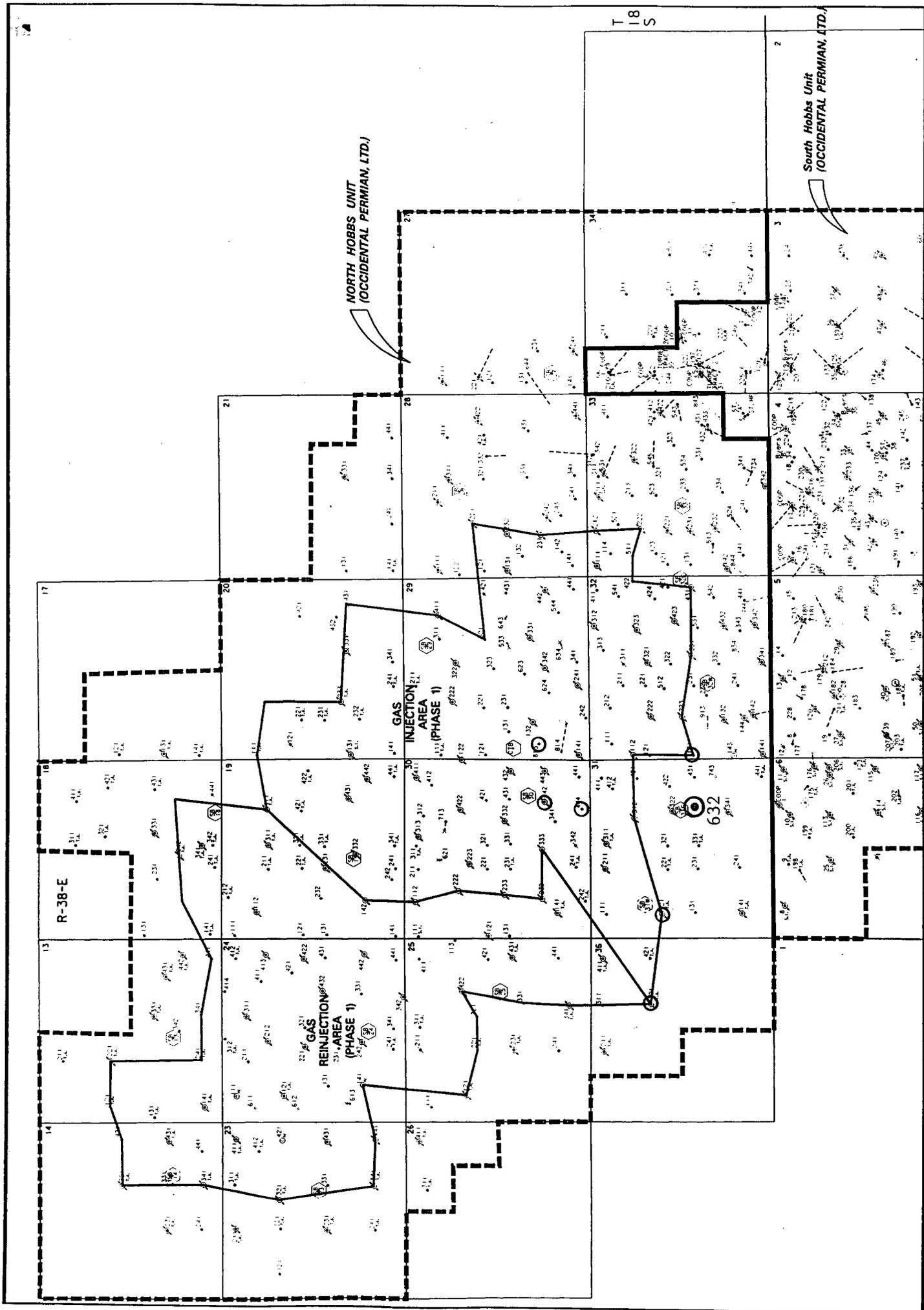
North Hobbs G/SA Unit No. 221 (30-025-07504)  
North Hobbs G/SA Unit No. 231 (30-025-07507)  
North Hobbs G/SA Unit No. 241 (30-025-07508)  
North Hobbs G/SA Unit No. 312 (30-025-27060)  
North Hobbs G/SA Unit No. 321 (30-025-07492)  
North Hobbs G/SA Unit No. 322 (30-025-30204)  
North Hobbs G/SA Unit No. 331 (30-025-07499)  
North Hobbs G/SA Unit No. 341 (30-025-07500)  
North Hobbs G/SA Unit No. 412 (30-025-23204) <PxA>  
North Hobbs G/SA Unit No. 421 (30-025-07493)  
North Hobbs G/SA Unit No. 422 (30-025-28887)  
North Hobbs G/SA Unit No. 431 (30-025-12758)  
North Hobbs G/SA Unit No. 441 (30-025-07498)  
North Hobbs G/SA Unit No. 743 (30-025-35451)  
Nora Berry No. 5 (30-025-07501) <PxA>  
Nora Berry No. 6 (30-025-12502)  
Nora Berry No. 7 (30-025-12503)  
Nora Berry No. 8 (30-025-07502) <PxA>  
Clara Fowler No. 4 (30-025-07506)  
Clara Fowler No. 6 (30-025-07495) <PxA>  
Clara Fowler No. 7 (30-025-07496) <PxA>  
Clara Fowler No. 8 (30-025-07497) <PxA>

**Section 32, T-18-S, R-38-E**

North Hobbs G/SA Unit No. 112 (30-025-07526)  
North Hobbs G/SA Unit No. 121 (30-025-23007)  
North Hobbs G/SA Unit No. 131 (30-025-07527)  
North Hobbs G/SA Unit No. 141 (30-025-07523)  
North Hobbs G/SA Unit No. 143 (30-025-28943)  
North Hobbs G/SA Unit No. 514 (30-025-36245)

North Hobbs G/SA Unit No. 913 (30-025-35385)  
W.D. Grimes A No. 12 (30-025-07530) <PxA>  
W.D. Grimes A No. 13 (30-025-07531) <PxA>  
W.D. Grimes A No. 14 (30-025-07532) <PxA>  
W.D. Grimes A No. 14-X (30-025-07534) <PxA>

Exhibit 2.0 (Well No. 632 circled in red; wells approved for injection under Order R-6199-B circled in blue)



**Exhibit "B"**  
**Division Order No. R-6199-B**  
**North Hobbs Grayburg San Andres Unit Tertiary Recovery Project**  
**Approved Injection Wells (Existing Wells)**

Well Name & Number	API Number	Well Location	Injection Interval	Packer Depth
NHGBSAU No. 341 **	30-025-05446	660' FSL & 1980' FEL, Unit O, Section 13, T-18S, R-37E	4,000'-4,263'	3,900'
NHGBSAU No. 441 **	30-025-12732	330' FSL & 330' FEL, Unit P, Section 13, T-18S, R-37E	4,000'-4,258'	3,900'
NHGBSAU No. 232 **	30-025-29172	2501' FSL & 1410' FWL, Unit K, Section 19, T-18S, R-38E	4,000'-4,420'	3,900'
NHGBSAU No. 141 **	30-025-05485	1315' FSL & 1315' FWL, Unit M, Section 24, T-18S, R-37E	4,000'-4,270'	3,900'
NHGBSAU No. 331 **	30-025-05488	1320' FSL & 1325' FEL, Unit J, Section 24, T-18S, R-37E	4,000'-4,210'	3,900'
NIIGBSAU No. 411 **	30-025-23522	990' FNL & 990' FEL, Unit A, Section 24, T-18S, R-37E	4,000'-4,283'	3,900'
NHGBSAU No. 414 **	30-025-28879	10' FNL & 1280' FEL, Unit A, Section 24, T-18S, R-37E	4,000'-4,370'	3,900'
NHGBSAU No. 431 **	30-025-05487	2310' FSL & 330' FEL, Unit I, Section 24, T-18S, R-37E	4,000'-4,300'	3,900'
NHGBSAU No. 411 **	30-025-05503	330' FNL & 330' FEL, Unit A, Section 25, T-18S, R-37E	4,000'-4,259'	3,900'
NHGBSAU No. 242	30-025-28413	100' FSL & 1400' FWL, Unit N, Section 29, T-18S, R-38E	4,000'-4,370'	3,900'
NHGBSAU No. 321	30-025-07431	2310' FNL & 1650' FEL, Unit G, Section 29, T-18S, R-38E	4,000'-4,309'	3,900'
NHGBSAU No. 113 **	30-025-29064	1310' FNL & 195' FWL, Unit D, Section 30, T-18S, R-38E	4,000'-4,370'	3,900'
NHGBSAU No. 312	30-025-29197	530' FNL & 1448' FEL, Unit B, Section 30, T-18S, R-38E	4,000'-4,431'	3,900'
NHGBSAU No. 331	30-025-07472	2335' FSL & 2310' FEL, Unit J, Section 30, T-18S, R-38E	4,000'-4,238'	3,900'
NHGBSAU No. 444	30-025-28959	215' FSL & 1255' FEL, Unit P, Section 30, T-18S, R-38E	4,000'-4,370'	3,900'
NHGBSAU No. 131	30-025-07527	2310' FSL & 330' FWL, Unit L, Section 32, T-18S, R-38E	4,000'-4,250'	3,900'
NIIGBSAU No. 422	30-025-29074	1385' FNL & 110' FEL, Unit H, Section 32, T-18S, R-38E	4,000'-4,370'	3,900'
NHGBSAU No. 111	30-025-12505	330' FNL & 330' FWL, Unit D, Section 33, T-18S, R-38E	4,000'-4,237'	3,900'
NHGBSAU No. 141 **	30-025-05437	660' FSL & 660' FWL, Unit M, Section 13, T-18S, R-37E	4,000'-4,235'	3,900'
NHGBSAU No. 221 **	30-025-05439	1980' FNL & 1980' FWL, Unit F, Section 13, T-18S, R-37E	4,000'-4,160'	3,900'
NHGBSAU No. 321 **	30-025-05457	2310' FNL & 1650' FEL, Unit G, Section 14, T-18S, R-37E	4,000'-4,350'	3,900'
NHGBSAU No. 121 **	30-025-05502	1650' FNL & 990' FWL, Unit E, Section 25, T-18S, R-37E	4,000'-4,261'	3,900'
NHGBSAU No. 341 **	30-025-05497	660' FSL & 1650' FEL, Unit O, Section 25, T-18S, R-37E	4,000'-4,220'	3,900'
NHGBSAU No. 411	30-025-07454	990' FNL & 990' FEL, Unit A, Section 29, T-18S, R-38E	4,000'-4,335'	3,900'
NHGBSAU No. 321 **	30-025-05540	1650' FNL & 1650' FEL, Unit G, Section 36, T-18S, R-37E	4,000'-4,300'	3,900'
NHGBSAU No. 121 **	30-025-05440	1980' FNL & 660' FWL, Unit E, Section 13, T-18S, R-37E	4,000'-4,235'	3,900'
NHGBSAU No. 241 **	30-025-05436	660' FSL & 1980' FWL, Unit N, Section 13, T-18S, R-37E	4,000'-4,320'	3,900'
NIIGBSAU No. 341 **	30-025-05450	660' FSL & 1650' FEL, Unit O, Section 14, T-18S, R-37E	4,000'-4,350'	3,900'
NHGBSAU No. 342 **	30-025-07342	330' FSL & 2310' FEL, Unit O, Section 18, T-18S, R-38E	4,000'-4,286'	3,900'
NHGBSAU No. 311 **	30-025-07369	1309' FNL & 2310' FEL, Unit B, Section 19, T-18S, R-38E	4,000'-4,296'	3,900'
NHGBSAU No. 411 **	30-025-07370	1300' FNL & 1300' FEL, Unit A, Section 19, T-18S, R-38E	4,000'-4,342'	3,900'
NHGBSAU No. 233	30-025-27214	1610' FSL & 1850' FWL, Unit K, Section 20, T-18S, R-38E	4,000'-4,510'	3,900'
NHGBSAU No. 321 **	30-025-05463	1650' FNL & 1650' FEL, Unit G, Section 23, T-18S, R-37E	4,000'-4,265'	3,900'
NHGBSAU No. 341 **	30-025-05475	990' FSL & 1650' FEL, Unit O, Section 23, T-18S, R-37E	4,000'-4,302'	3,900'
NHGBSAU No. 121 **	30-025-05476	1650' FNL & 990' FWL, Unit E, Section 24, T-18S, R-37E	4,000'-4,319'	3,900'
NHGBSAU No. 121 **	30-025-07514	1980' FNL & 990' FWL, Unit E, Section 31, T-18S, R-38E	4,000'-4,300'	3,900'

**\*\* Denotes wells that are authorized to inject CO<sub>2</sub>, water and produced gas.  
All other wells are authorized to inject CO<sub>2</sub> and water only.**

LIST OF OFFSET OPERATORS & SURFACE OWNERS

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**North Hobbs (Grayburg/San Andres) Unit**  
**Well No. 632 (30-025-37214)**  
**Letter J, Section 31, T-18-S, R-38-E**  
**Lea County, New Mexico**

Offset Operators

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

Lewis B. Burleson, Inc.  
P.O. Box 2479  
Midland, TX 79702

Ralph C. Bruton  
3500 Acoma  
Hobbs, NM 88240

Surface Owners

---

Kress Jones  
3729 W. Sanger  
Hobbs, NM 88240

**SENDER: COMPLETE THIS SECTION**

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

1. Article Addressed to:

Lewis B. Burleson, Inc.  
P.O. Box 2479  
Midland, TX 79702

2. Article Number

(Transfer from service label)

7001 0320 0002 0354 8339

PS Form 3811, March 2001

Domestic Return Receipt

102595-01-M-1424

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly)

B. Date of Delivery

C. Signature

X

 Agent Addressee

D. Is delivery address different from item 1?

 Yes

If YES, enter delivery address below:

 No

3. Service Type

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

4. Restricted Delivery? (Extra Fee)

 Yes**SENDER: COMPLETE THIS SECTION**

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

1. Article Addressed to:

Ralph C. Bruton  
3500 Acoma  
Hobbs, NM 88240

2. Article Number

(Transfer from service label)

7001 0320 0002 0354 8346

PS Form 3811, March 2001

Domestic Return Receipt

102595-01-M-1424

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly)

B. Date of Delivery

C. Signature

X

 Agent Addressee

D. Is delivery address different from item 1?

 Yes

If YES, enter delivery address below:

 No

3. Service Type

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

4. Restricted Delivery? (Extra Fee)

 Yes**SENDER: COMPLETE THIS SECTION**

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

1. Article Addressed to:

Kress Jones  
3729 W. Sanger  
Hobbs, NM 88240

2. Article Number

(Transfer from service label)

7001 0320 0002 0354 8353

PS Form 3811, March 2001

Domestic Return Receipt

102595-01-M-1424

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly)

B. Date of Delivery

C. Signature

X

 Agent Addressee

D. Is delivery address different from item 1?

 Yes

If YES, enter delivery address below:

 No

3. Service Type

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

4. Restricted Delivery? (Extra Fee)

 Yes

AFFIDAVIT OF PUBLICATION

State of New Mexico,  
County of Lea.

I, KATHI BEARDEN

Publisher

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

of 1 weeks.

Beginning with the issue dated July 12 2005

and ending with the issue dated July 12 2005

Kathi Bearden  
Publisher

Sworn and subscribed to before

me this 12th day of

July 2005

Dora Montz  
Notary Public.

My Commission expires  
February 07, 2009  
(Seal)



OFFICIAL SEAL  
DORA MONTZ  
NOTARY PUBLIC  
STATE OF NEW MEXICO

My Commission Expires: \_\_\_\_\_

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

LEGAL NOTICE  
July 12, 2005

Notice is hereby given of the application of Occidental Permian Limited Partnership, Attn: Mark Stephens, P.O. Box 4294, Rm. 19.013, 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 well for the purpose of tertiary recovery:

Pool Name: Hobbs; Grayburg - San Andres  
Lease/Unit Name: North Hobbs G/SA Unit  
Well No. 632 (API No. 30-025-37214)  
Loc: 2118' FSL & 1355' FEL, UL J, Sec. 31, T-18-S, R-38-E, Lea Co., NM (SHL)  
2460' FSL & 1356' FEL, UL J, Sec. 31, T-18-S, R-38-E, Lea Co., NM (BHL)

The injection formation is the Hobbs; Grayburg - San Andres Pool between the intervals of +/-3700' and +/- 5300' below the surface of the ground. Expected maximum injection rate is 9000 B/D (water)/15,000 MCF/D (CO2), and the expected maximum injection pressure is approximately 1100 psi (water)/1250 psi (CO2). Interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 S. St. Francis Dr., Santa Fe, NM 87504 within fifteen (15) days.  
#21649

02101173000 02577491  
Occidental Permian Limited  
P. O. Box 4294  
Houston, TX 77210-4294