

ABOVE THIS LINE FOR DIVISION USE ONLY

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



245

**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 \_\_\_\_\_

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 Oil Conservation Division  
 1220 S. St. Francis Drive  
 Santa Fe, NM 87505

- [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

1/9/06  
 Date

Mark\_Stephens@oxy.com  
 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

January 9, 2006

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

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JAN 01 2006

Oil Conservation Division  
1220 S. St. Francis Drive  
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. 321** (30-025-05463) - 1994 April  
Letter G, Sec. 23, T-18-S, R-37-E  
Order No. PMX-89  
**Well No. 411** (30-025-12783) 5/94  
Letter A, Sec. 23, T-18-S, R-37-E  
Order No. PMX-89  
Lea County, NM

Gentlemen:

Occidental Permian Limited Partnership respectfully requests administrative approval for expansion of the subject pressure maintenance project by increasing the injection rates and pressures of the two captioned wells in accordance with Order No. R-6199-B. As such, the following data is submitted in support of this request:

- Administrative Application Checklist
- Form C-108 with miscellaneous data attached
- An injection well data sheet (2 ea.)
- A map reflecting the location of the two injection wells. The map identifies all wells located within a two-mile radius of the injectors and has a one-half mile radius circle drawn around each well which identifies the well's Area of Review.
- Exhibit 1.0 – Area of Review Data



**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 – Map showing the location of the wells in Oxy's North Hobbs Unit CO2 Injection Project
- 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 wells are 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)

**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: \_\_\_\_\_ January 9, 2006 \_\_\_\_\_

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. 411  
Letter A, Section 23, 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\*  
(\* In accordance with Order No. R-6199-B, effective 10/22/01)
2. Closed Injection System
3. Average Surface Injection Pressure       N/A  
Maximum Surface Injection Pressure  
    Produced Water                   1100 PSI\*  
(\* 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 activation work  
(approx. 2000 gal. 15% HCL)

XI. Fresh Water Sample Analysis

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

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

# MITCHELL ANALYTICAL LABORATORY

2638 Faudree  
Odessa, Texas 79765-8538  
561-5579

Company: ***Nalco Energy Services***

|              |                  |               |            |
|--------------|------------------|---------------|------------|
| Well Number: | WIB Pump Dis. #3 | 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-n23830    | 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*

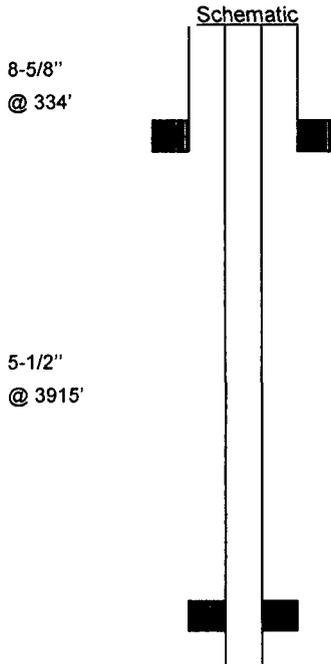
|      |      |       |      |       |       |
|------|------|-------|------|-------|-------|
| 70.0 | .221 | 100.0 | .561 | 130.0 | 1.121 |
| 80.0 | .341 | 110.0 | .821 | 140.0 | 1.121 |
| 90.0 | .561 | 120.0 | .821 | 150.0 | 1.401 |

*Nalco Energy Services*

INJECTION WELL DATA SHEET

30-025-12783

|  |   |                                |                  |               |                  |
|--|---|--------------------------------|------------------|---------------|------------------|
| Operator<br>Occidental Permian Limited Partnership |   | Lease<br>North Hobbs G/SA Unit |                  |               | County<br>Lea    |
| Well No.<br>411                                    | Footage Location<br>330' FNL & 330' FEL | Section<br>23                  | Township<br>18-S | Range<br>37-E | Unit Letter<br>A |



|                            |                |                     |                 |
|----------------------------|----------------|---------------------|-----------------|
| <u>Surface Casing</u>      |                | <u>Tubular Data</u> |                 |
| Size                       | <u>8- 5/8"</u> | Cemented with       | <u>125</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>75</u> sxs.  |
| TOC                        | <u>2550'</u>   | Determined by       | <u>CBL</u>      |
| Hole size                  | _____          |                     |                 |
| <u>Liner</u>               |                |                     |                 |
| Size                       | _____          | Cemented with       | _____ sxs.      |
| TOC                        | _____          | Determined by       | _____           |
| Hole size                  | _____          |                     |                 |
| <u>Total depth</u>         | <u>4265'</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 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'

3  
TIDEWATER OIL CO  
STATE B  
TD-4325  
30 025 05458

321  
OPL  
N HOBBS(GBSA)U  
TD-4300  
30 025 05457

421  
OPL  
N HOBBS(GBSA)U  
TD-4368  
30 025 05456

121  
OPL  
N HOBBS(GBSA)U  
TD-4200  
30 025 05440

221  
OPL  
N HOBBS(GBSA)U  
TD-4160  
30 025 05439

3  
CONTINENTAL OIL CO  
STATE B-13  
TD-4245  
30 025 05438

131  
OPL  
N HOBBS(GBSA)U  
TD-4154  
30 025 05448

231  
OPL  
N HOBBS(GBSA)U  
TD-4300  
30 025 05451

331  
OPL  
N HOBBS(GBSA)U  
TD-4325  
30 025 05455

431  
OPL  
N HOBBS(GBSA)U  
TD-4162  
30 025 05454

241  
OPL  
N HOBBS(GBSA)U  
TD-4300  
30 025 05453

341  
OPL  
N HOBBS(GBSA)U  
TD-4176  
30 025 05450

441  
OPL  
N HOBBS(GBSA)U  
TD-4150  
30 025 25020

I  
SHELL OIL CO  
STATE E  
TD-4374  
30 025 10199

141  
OPL  
N HOBBS(GBSA)U  
TD-4235  
30 025 05437

241  
OPL  
N HOBBS(GBSA)U  
TD-4038  
30 025 05436

I  
ANTWEIL MORRIS R  
STANOLIND-STATE  
TD-4135  
30 025 05452

14 13  
23 24

ONE-HALF MILE RADIUS

211  
OPL  
N HOBBS(GBSA)U  
TD-4297  
30 025 05469

311  
OPL  
N HOBBS(GBSA)U  
TD-4125  
30 025 05464

411  
OPL  
N HOBBS(GBSA)U  
TD-4150  
30 025 12783  
I-AO  
SWEET CH OIL CO  
STATE F  
TD-4115  
30 025 05465

111  
OPL  
N HOBBS(GBSA)U  
TD-4105  
30 025 05477

312  
OPL  
N HOBBS(GBSA)U  
TD-4370  
30 025 29130

211  
OPL  
N HOBBS(GBSA)U  
TD-4260  
30 025 07047

412  
OPL  
N HOBBS(GBSA)U  
TD-4202  
30 025 05468

611  
OPL  
N HOBBS(GBSA)U  
TD-4440  
30 025 35467

212  
OPL  
N HOBBS(GBSA)U  
TD-4370  
30 025 29129

221  
OPL  
N HOBBS(GBSA)U  
TD-4299  
30 025 05470

321  
OPL  
N HOBBS(GBSA)U  
TD-4265  
30 025 05463

421  
OPL  
N HOBBS(GBSA)U  
TD-4158  
30 025 05466

121  
OPL  
N HOBBS(GBSA)U  
TD-4240  
30 025 05476

612  
OPL  
N HOBBS(GBSA)U  
TD-4435  
30 025 35450

221  
OPL  
N HOBBS(GBSA)U  
TD-4260  
30 025 09876

231  
OPL  
N HOBBS(GBSA)U  
TD-4330  
30 025 05471

331  
OPL  
N HOBBS(GBSA)U  
TD-4283  
30 025 05474

431  
OPL  
N HOBBS(GBSA)U  
TD-4191  
30 025 05467

131  
OPL  
N HOBBS(GBSA)U  
TD-4200  
30 025 05484

622  
OPL  
N HOBBS(GBSA)U

231  
OPL  
N HOBBS(GBSA)U  
TD-4171  
30 025 05483

613  
OPL  
N HOBBS(GBSA)U  
TD-4438  
30 025 35370

141  
OPL  
N HOBBS(GBSA)U  
TD-4218  
30 025 05485

242  
OPL  
N HOBBS(GBSA)U  
TD-4443  
30 025 26832

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. 23-411  
T-18-S, R-37-E  
Lea County, New Mexico

Scale: 1" = 600' 10-20-2005 nm438\_2005.dgn  
Plat prepared by PJE Drafting, Inc.  
For Horizon Survey, Inc.

**Exhibit 1.0 – Area of Review Data**

North Hobbs G/SA Unit Nos. 321 & 411

Sec. 23, T-18-S, R-37-E

A review of the subject wells' AOR shows that two wells were 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). These wells are:

**North Hobbs G/SA Unit No. 611 (30-025-35467)**

**North Hobbs G/SA Unit No. 612 (30-025-35450)**

The attached copies of sundry notices (2 ea. per well) and the completion reports for these two wells shows that cement was circulated to surface off all casing strings thus affording adequate protection of the injection interval (approx. 4000' to 4265') of Oxy's North Hobbs G/SA Unit Well Nos. 321 and 411.

**Area of Review Well Count**

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

**Sec. 13, T-18-S, R-37-E**

North Hobbs G/SA Unit No. 131 (30-025-05488)

North Hobbs G/SA Unit No. 141 (30-025-05437)

North Hobbs G/SA Unit No. 241 (30-025-05436)

**Sec. 14, T-18-S, R-37-E**

North Hobbs G/SA Unit No. 331 (30-025-05455)

North Hobbs G/SA Unit No. 341 (30-025-05450)

North Hobbs G/SA Unit No. 431 (30-025-05454)

North Hobbs G/SA Unit No. 441 (30-025-25020)

**Sec. 23, T-18-S, R-37-E**

North Hobbs G/SA Unit No. 211 (30-025-05469)

North Hobbs G/SA Unit No. 221 (30-025-05470)

North Hobbs G/SA Unit No. 231 (30-025-05471)

North Hobbs G/SA Unit No. 311 (30-025-05464)

**Exhibit 1.0 – Area of Review Data (con'd.)**

Sec. 23, T-18-S, R-37-E (con'd.)

North Hobbs G/SA Unit No. 331 (30-025-05474)  
North Hobbs G/SA Unit No. 341 (30-025-05475)  
North Hobbs G/SA Unit No. 412 (30-025-05468)  
North Hobbs G/SA Unit No. 421 (30-025-05466)  
North Hobbs G/SA Unit No. 431 (30-025-05467)

Sec. 24, T-18-S, R-37-E

North Hobbs G/SA Unit No. 111 (30-025-05477)  
North Hobbs G/SA Unit No. 121 (30-025-05476)  
North Hobbs G/SA Unit No. 211 (30-025-07047)  
North Hobbs G/SA Unit No. 611 (30-025-35467)  
North Hobbs G/SA Unit No. 612 (30-025-35450)

Plugged and Abandoned Wells – 5  
(Identified below)

Sec. 14, T-18-S, R-37-E

State “E” No. 1 (30-025-10199)  
Stanolind State No. 1 (30-025-05452)  
North Hobbs G/SA Unit No. 241 (30-025-05453)

Sec. 23, T-18-S, R-37-E

State “F” No. 1 (30-025-05465)  
North Hobbs G/SA Unit No. 121 (30-025-05462)

Mark Stephens 1/9/06

Mark Stephens  
Regulatory Compliance Analyst  
Occidental Permian Limited Partnership

Submit to Appropriate District Office  
 State Lease - 6 copies  
 Fee Lease - 5 copies

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-105  
 Revised 1-1-89

DISTRICT I  
 P.O. Box 1980, Hobbs, NM 88240  
 DISTRICT II  
 P.O. Drawer DD, Artesia, NM 88210  
 DISTRICT III  
 1000 Rio Brazos Rd., Aztec, NM 87410

**OIL CONSERVATION DIVISION**  
 2040 Pacheco St.  
 Santa Fe, NM 87505

WELL API NO.  
**30-025-35467**

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.  
**611**

9. Pool name or Wildcat  
**Hobbs, Grayburg - San Andres**

4. Well Location  
 Unit Letter **D** : **843** Feet From The **North** Line and **540** Feet From The **West** Line

Section **24** Township **18-S** Range **37-E** NMPM **Lea** County

10. Date Spudded **4/9/01** 11. Date T.D. Reached **4/15/01** 12. Date Compl. (Ready to Prod.) **5/3/01** 13. Elevations (DF & RKB, RT, GR, etc.) **3678' GL** 14. Elev. Casinghead

15. Total Depth **4440'** 16. Plug Back T.D. **4380'** 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By **4440'** Rotary Tools Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name **4138' - 4276'; Grayburg - San Andres** 20. Was Directional Survey Made **No**

21. Type Electric and Other Logs Run **NGR - TDLD CN/GR - AL Micro-CFL/GR** 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 SK.           |               |
| 8-5/8       | 24             | 1497      | 12-1/4    | 850 SK.          |               |
| 5-1/2       | 15.5           | 4440      | 7-7/8     | 850 SK.          |               |

| 24. LINER RECORD |     |        |              |        | 25. TUBING RECORD |           |            |
|------------------|-----|--------|--------------|--------|-------------------|-----------|------------|
| SIZE             | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE              | DEPTH SET | PACKER SET |
|                  |     |        |              |        | 2-7/8             | 4100'     |            |

26. Perforation record (interval, size, and number)  
**4138' - 4276' (4 JSPP)**

27. ACID, SHOT, FRACTURE, CEMENT, SOEZE, ETC.  
 DEPTH INTERVAL: **4138' - 4276'** AMOUNT AND KIND MATERIAL USED: **3500 gal. 15% HCL**

**28. PRODUCTION**

Date First Production **5/7/01** Production Method (Flowing, gas lift, pumping - Size and type pump) **Pumping, ESP - Reda** Well Status (Prod. or Shut-in) **Producing**

Date of Test **5/7/01** Hours Tested **24** Choke Size **N/A** Prod'n For Test Period Oil - Bbl. **29** Gas - MCF **39** Water - Bbl. **2359** Gas - Oil Ratio **1345**

Flow Tubing Press. **50** Casing Pressure **35** Calculated 24-Hour Rate Oil - Bbl. **29** Gas - MCF **39** Water - Bbl. **2359** 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 (3 ea.), 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 Bus. Analyst (SG) Date 5/21/01

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

**OIL CONSERVATION DIVISION**

2040 Pacheco St.  
Santa Fe, NM 87505

**DISTRICT I**  
P.O. Box 1980, Hobbs NM 88241-1980

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

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

|   |
|---|
| WELL API NO.  |
| <b>30-025-35467</b>   |
| 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No.  |

|  |   |
|--|---|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br>(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:<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER   | 7. Lease Name or Unit Agreement Name<br><b>North Hobbs G/SA Unit</b>  |
| 2. Name of Operator<br><b>Occidental Permian Limited Partnership</b>   | 8. Well No.<br><b>611</b>   |
| 3. Address of Operator<br><b>P.O. Box 4294, Houston, TX 77210-4294</b>   | 9. Pool name or Wildcat<br><b>Hobbs; Grayburg - San Andres</b>        |
| 4. Well Location<br>Unit Letter <b>D</b> : <b>843</b> Feet From The <b>North</b> Line and <b>540</b> Feet From The <b>West</b> Line<br>Section <b>24</b> Township <b>18-S</b> Range <b>37-E</b> NMPM <b>Lea</b> County | 10. Elevation (Show whether DF, RKB, RT, GR, etc.)<br><b>3678' GL</b> |

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 AND ABANDONMENT <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/>  |   | CASING TEST AND CEMENT JOB <input type="checkbox"/>                |   |
| OTHER: _____ <input type="checkbox"/>          |   | OTHER: <b>Rm 5-1/2" Casing</b> <input checked="" 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.

4/15/01 -

4/16/01: **Rm 110 jts. 5-1/2", 15.5#, J-55, LT&C casing with 13 centralizers and set at 4440'. Cement first stage with 250 sx. Premium Plus, circulate 127 sx. Bump plug. Cement second stage with 500 sx. Interfill 'C' (lead) and 100 sx. Premium Plus (tail). Circulate 63 sx. to surface. Plug down. Nipple down x set slips x rig down.**

**Release drilling rig at 8:00 p.m., 4/16/01.**

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

SIGNATURE Mark Stephens TITLE Business Analyst (SG) DATE 4/17/01  
 TYPE OR PRINT NAME Mark Stephens TELEPHONE NO. 281/552-1158

(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE Paul Kautz DATE APR 26 2001  
 CONDITIONS OF APPROVAL, IF ANY: Geologist

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

**OIL CONSERVATION DIVISION**

2040 Pacheco St.  
Santa Fe, NM 87505

**DISTRICT I**  
P.O. Box 1980, Hobbs NM 88241-1980

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

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

|                              |  |
|------------------------------|--|
| WELL API NO.                 | <b>30-025-35467</b>  |
| 5. Indicate Type of Lease    | STATE <input checked="" type="checkbox"/> FEE <input 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

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 **D** : **843** Feet From The **North** Line and **540** Feet From The **West** Line  
Section **24** Township **18-S** Range **37-E** NMPM **Lea** County

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

8. Well No.  
**611**

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

10. Elevation (Show whether DF, RKB, RT, GR, etc.)  
**3678' GL**

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   
 OTHER:

**SUBSEQUENT REPORT OF:**

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

4/9/01: MI x RU. Spud 12-1/4" hole at 2:00 a.m. (NMOCD notified)

4/10/01 -

4/11/01: Run 38 jts. 8-5/8", 24#, J-55, ST&C casing with 10 centralizers and set at 1497'. Cement with 600 sx. PBCZ followed by 250 sx. Premium Plus. Plug down and circulate 104 sx. to surface. WOC. Nipple up and test blind rams and pipe rams to 1000 psi and drill out.

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

SIGNATURE Mark Stephens TITLE Business Analyst (SG) DATE 4/12/01

TYPE OR PRINT NAME Mark Stephens TELEPHONE NO. 281/552-1158

(This space for State Use)

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

CONDITIONS OF APPROVAL, IF ANY:

Orig. Signed by  
Paul Kautz  
Geologist

APR 23 2001

Submit to Appropriate District Office  
 State Lease - 6 copies  
 Fee Lease - 5 copies

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-105  
 Revised 1-1-89

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

**OIL CONSERVATION DIVISION**

2040 Pacheco St.  
 Santa Fe, NM 87505

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

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

WELL API NO.  
**30-025-35450**

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 \_\_\_\_\_

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

2. Name of Operator  
**Occidental Permian Limited Partnership**

8. Well No.  
**612**

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** : **2220** Feet From The **North** Line and **406** Feet From The **West** Line

Section **24** Township **18-S** Range **37-E** NMPM **Lea** County

10. Date Spudded **12/3/01** 11. Date T.D. Reached **12/13/01** 12. Date Compl. (Ready to Prod.) **N/A** 13. Elevations (DF & RKB, RT, GR, etc.) **3676' GR** 14. Elev. Casinghead

15. Total Depth **4435'** 16. Plug Back T.D. **4390'** 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  
**4216' - 4327'; Grayburg - San Andres** 20. Was Directional Survey Made  
**No**

21. Type Electric and Other Logs Run  
**AL Micro-CFL/GR; NGR; TD L-D CN/NGT** 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 |
|--------------|------------------|-------------|---------------|------------------|---------------|
| <b>14</b>    | <b>Conductor</b> | <b>40</b>   | <b>18</b>     | <b>50 est.</b>   |               |
| <b>8-5/8</b> | <b>24</b>        | <b>1507</b> | <b>12-1/4</b> | <b>850 est.</b>  |               |
| <b>5-1/2</b> | <b>15.5</b>      | <b>4435</b> | <b>7-7/8</b>  | <b>900 est.</b>  |               |

24. **LINER RECORD** 25. **TUBING RECORD**

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE         | DEPTH SET   | PACKER SET |
|------|-----|--------|--------------|--------|--------------|-------------|------------|
|      |     |        |              |        | <b>2-7/8</b> | <b>4139</b> |            |

26. Perforation record (interval, size, and number)  
**4216' - 4327', 2 JSPF**

27. **ACID, SHOT, FRACTURE, CEMENT, SOEZE, ETC.**

| DEPTH INTERVAL       | AMOUNT AND KIND MATERIAL USED |
|----------------------|-------------------------------|
| <b>4216' - 4327'</b> | <b>500 gal. 15% HCL</b>       |

28. **PRODUCTION**

Date First Production \_\_\_\_\_ Production Method (Flowing, gas lift, pumping - Size and type pump)  
**Well shut-in 1/20/02 with no test** Well Status (Prod. or Shut-in)  
**Shut-in**

| 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.) |
|--------------------|-----------------|-------------------------|------------|-----------|--------------|-----------------------------|
|                    |                 |                         |            |           |              |                             |

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

30. List Attachments  
**Logs (3 ea.), 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 Bus. Analyst (SG) Date 3/21/02

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

**OIL CONSERVATION DIVISION**

2040 Pacheco St.  
Santa Fe, NM 87505

DISTRICT I

P.O. Box 1980, Hobbs NM 88241-1980

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

|   |
|---|
| WELL API NO.<br><b>30-025-35450</b>   |
| 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No.  |
| 7. Lease Name or Unit Agreement Name<br><b>North Hobbs G/SA Unit</b>                                |
| 8. Well No.<br><b>612</b>   |
| 9. Pool name or Wildcat<br><b>Hobbs; Grayburg - San Andres</b>                                      |
| 10. Elevation (Show whether DF, RKB, RT, GR, etc.)<br><b>3676' GR</b>                               |

**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** : **2220** Feet From The **North** Line and **406** Feet From The **West** Line  
Section **24** Township **18-S** Range **37-E** NMPM Lea County

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

OTHER:

**SUBSEQUENT REPORT OF:**

REMEDIAL WORK  ALTERING CASING

COMMENCE DRILLING OPNS.  PLUG AND ABANDONMENT

CASING TEST AND CEMENT JOB

OTHER: Rm 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.

12/14/01: Rm 110 jts. 5-1/2", 15.5#, J-55, IT&C casing with 12 centralizers and set at 4435'. Cement first stage with 300 sx. Premium Plus. Bump plug, drop bomb, and open DV tool. Circulate 84 sx. Cement second stage with 500 sx. Interfill 'C' and 100 sx. Premium Plus. Plug down and circulate 61 sx. Nipple down x set slips x rig down.

Release drilling rig at 11:00 p.m., 12/14/01.

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

SIGNATURE Mark Stephens TITLE Business Analyst (SG) DATE 12/17/01

TYPE OR PRINT NAME Mark Stephens TELEPHONE NO. 281/552-1158

(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE ORIGINAL SIGNED BY PAUL F. KAUTZ DATE DEC 26 2001

CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

**OIL CONSERVATION DIVISION**

**DISTRICT I**  
P.O. Box 1980, Hobbs NM 88241-1980  
**DISTRICT II**  
P.O. Drawer DD, Artesia, NM 88210  
**DISTRICT III**  
1000 Rio Brazos Rd., Aztec, NM 87410

2040 Pacheco St.  
Santa Fe, NM 87505

|                              |  |
|------------------------------|--|
| WELL API NO.                 | 30-025-35450   |
| 5. Indicate Type of Lease    | STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No. |  |

|   |  |
|---|--|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br>(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:<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER  | 7. Lease Name or Unit Agreement Name<br>North Hobbs G/SA Unit  |
| 2. Name of Operator<br>Occidental Permian Limited Partnership   | 8. Well No.<br>612   |
| 3. Address of Operator<br>P.O. Box 4294, Houston, TX 77210-4294   | 9. Pool name or Wildcat<br>Hobbs; Grayburg - San Andres        |
| 4. Well Location<br>Unit Letter <u>E</u> : <u>2220</u> Feet From The <u>North</u> Line and <u>406</u> Feet From The <u>West</u> Line<br>Section <u>24</u> Township <u>18-S</u> Range <u>37-E</u> NMPM <u>Lea</u> County | 10. Elevation (Show whether DF, RKB, RT, GR, etc.)<br>3676' 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   
 OTHER:

**SUBSEQUENT REPORT OF:**

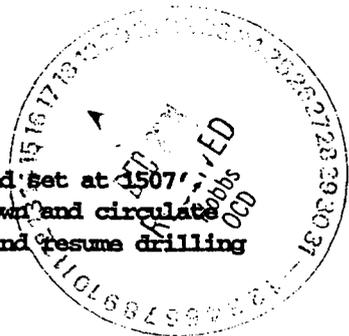
REMEDIAL WORK  ALTERING CASING   
 COMMENCE DRILLING OPNS.  PLUG AND ABANDONMENT   
 CASING TEST AND CEMENT JOB   
 OTHER: Spud & Run Surface Casing

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.

12/3/01: MI x RU. Spud 12-1/4" hole at 7:00 p.m. (NMOCD notified)

12/7/01 -

12/8/01: Run 38 jts. 8-5/8", 24#, J-55, ST&C casing with 10 centralizers and set at 1507' Cement with 600 sx. PBCZ followed by 250 sx. Premium Plus. Plug down and circulate 88 sx. to surface. WOC. Nipple up and test BOP. Drill out cement and resume drilling operations.



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

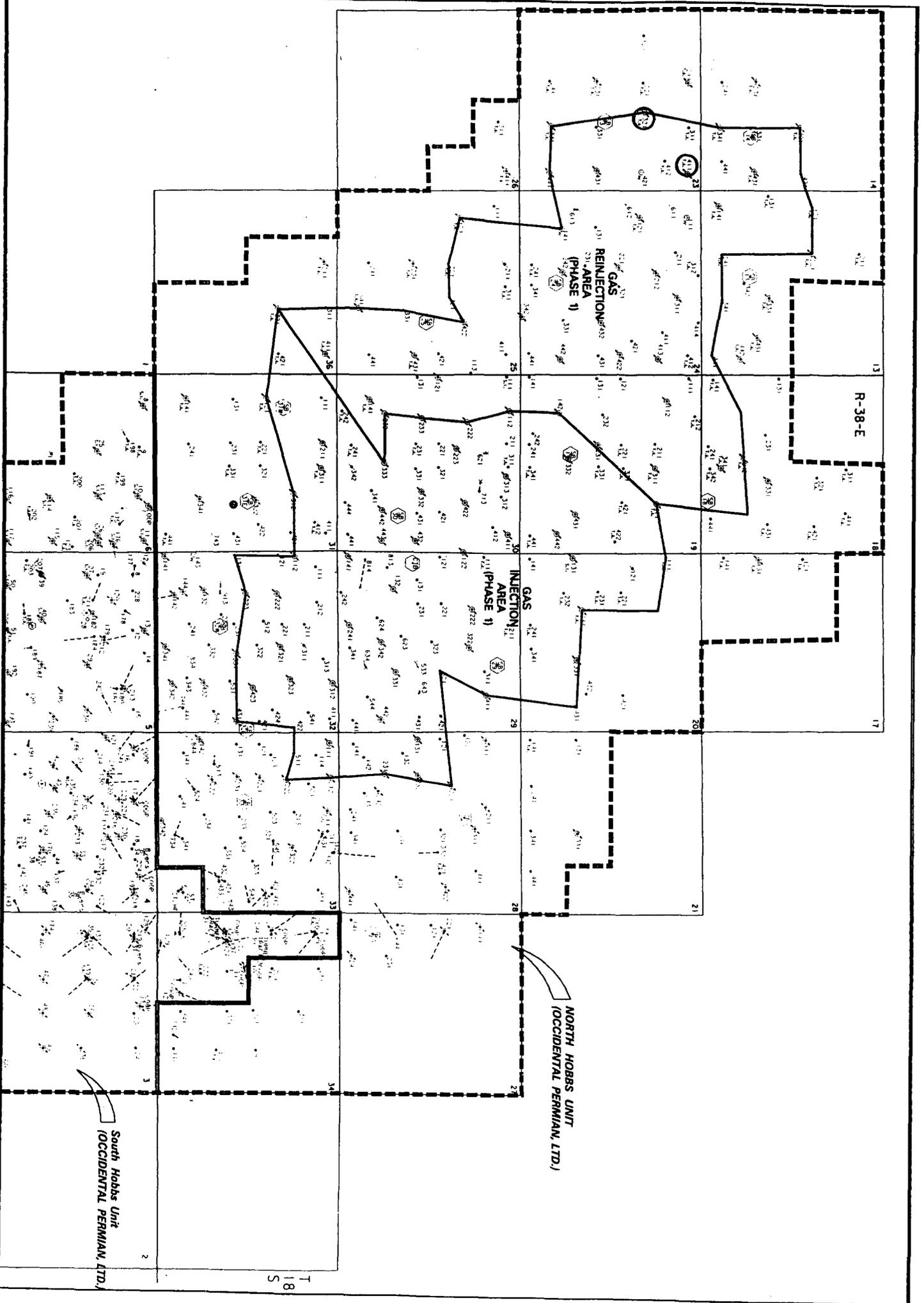
SIGNATURE Mark Stephens TITLE Business Analyst (SG) DATE 12/11/01  
TYPE OR PRINT NAME Mark Stephens TELEPHONE NO. 281/552-1158

(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE ORIGINAL SIGNED BY PAUL F. KAUTZ PETROLEUM ENGINEER DATE DEC 18 2001

CONDITIONS OF APPROVAL, IF ANY:

Exhibit 2.0 - Showing the location of the wells in Oxy's North Hobbs Unit CO2 Injection Project



## LIST OF OFFSET OPERATORS & SURFACE OWNERS

---

North Hobbs (Grayburg/San Andres) Unit  
Well No. 321  
API No. 30-025-05463  
Letter G, Section 23, T-18-S, R-37-E  
Lea Co., NM

North Hobbs (Grayburg/San Andres) Unit  
Well No. 411  
API No. 30-025-12783  
Letter A, Section 23, T-18-S, R-37-E  
Lea Co., NM

### **Offset Operators**

---

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

### **Surface Owners**

---

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:

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

2. Article Number  
(Transfer from service label)

7004 1160 0007 0743 4033

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  Agent  
**X**  Addressee

B. Received by (Printed Name) C. Date of Delivery

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

October 23 2005

and ending with the issue dated

October 23 2005

Kathi Bearden

Publisher

Sworn and subscribed to before

me this 24th day of

October 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  
October 23, 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 for the purpose of secondary recovery:

Pool Name: Hobbs; Grayburg - San Andres  
Lease/Unit Name: North Hobbs G/SA Unit  
Well No. 321  
Loc: 1650' FNL & 1650' FEL, Unit Letter G, Sec. 23, T-18-S, R-37-E

Pool Name: Hobbs; Grayburg - San Andres  
Lease/Unit Name: North Hobbs G/SA Unit  
Well No. 411  
Loc: 330' FNL & 330' FEL, Unit Letter A, Sec. 23, T-18-S, R-37-E

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 BWP/D, and the expected maximum injection pressure is approximately 1100 psi. 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. #21877

02101173000 67534056  
OCCIDENTAL PERMIAN LIMITED  
P. O. BOX 4294  
HOUSTON, TX 77210-4294

**Catanach, David, EMNRD**

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**From:** Mark\_Stephens@oxy.com  
**Sent:** Tuesday, January 31, 2006 5:30 AM  
**To:** Catanach, David, EMNRD  
**Subject:** RE: NHU No. 23-321 (Reactivate Well)

David -

After discussing this with our Hobbs office, let's go ahead and permit Well No. 321 for **all** injectants (water, CO2, produced gas) in accordance with Order R-6199-B. However, Well No. 411 is to be permitted for **water only** as originally requested in the C-108 filing of 1/9/06.

Now, my next question is, does my proposed letter for Well No. 321 ('Request to Reactivate Well') need to be reworded to account for all injectants? Right now it states "water injection only".

Thanks.

AES

-----Original Message-----

**From:** Catanach, David, EMNRD [mailto:david.catanach@state.nm.us]  
**Sent:** Monday, January 30, 2006 10:44 AM  
**To:** Stephens, Mark E. (Houston)  
**Subject:** RE: NHU No. 23-321 (Reactivate Well)

That's fine Mark. I do have another question. Both these wells are in the Phase I Area. Are they both going to be used for water injection only, or should we set them up for gas injection?

DRC

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**From:** Mark\_Stephens@oxy.com [mailto:Mark\_Stephens@oxy.com]  
**Sent:** Friday, January 27, 2006 9:49 AM  
**To:** Catanach, David, EMNRD  
**Subject:** NHU No. 23-321 (Reactivate Well)

David -

Attached is 'proposed' correspondence for the subject well as we discussed yesterday. Please let me know if this looks OK, and if so, I will mail the original to you today. If corrections or additions are required, please advise as well. Thank you.

Mark Stephens  
Oxy Permian Ltd.  
Houston, TX

(713) 366-5158 <W>

(713) 366-5381 <F>

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