



**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 31, 2006

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

ATTN: Mr. David R. Catanach

RE: Request to Reactivate Well  
North Hobbs (Grayburg/San Andres) Unit  
Well No. 321 (30-025-05463)  
Letter G, Sec. 23, T-18-S, R-37-E  
Lea County, NM

Dear Mr. Catanach:

Occidental Permian Limited Partnership respectfully requests Division approval to commence injection (water, CO<sub>2</sub>, and produced gas) in accordance with Order No. R-6199-B, 10/22/01 (Well No. 321 was identified as an "Existing Well" in Exhibit "B" of said Order). The well is currently temporarily abandoned, and will be returned to active status in the near future at the maximum injection rate and maximum surface injection pressures as authorized in the Order.

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

Attachments

**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' FWL, 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 O, 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.

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a tertiary recovery injection project within the Phase I Area, being a portion of the North Hobbs Grayburg San Andres Unit, described below, by the injection of CO<sub>2</sub>, water and produced gas into the Grayburg and/or San Andres formations, Hobbs Grayburg-San Andres Pool, through the 60 wells shown on Exhibits "A" and "B" attached to this order, and through an additional 43 wells that have previously been approved for injection within the North Hobbs Grayburg San Andres Unit Pressure Maintenance Project:

TOWNSHIP 18 SOUTH, RANGE 37 EAST, NMPM

Section 13:	SW4, S/2 NW/4, S/2 SE/4
Section 14:	SE/4, S/2 NE/4
Section 23:	E/2
Section 24:	All
Section 25:	N/2, SE/4
Section 36:	NE/4

TOWNSHIP 18 SOUTH, RANGE 38 EAST, NMPM

Section 18:	S/2
Section 19:	All
Section 20:	W/2, SE/4
Section 28:	SW/4, S/2 NW/4
Sections 29 and 30:	All
Section 31:	N/2
Section 32:	N/2, N/2 S/2
Section 33:	NW/4

(2) The operator shall take all necessary steps to ensure that the injected fluid enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface from injection, production, or plugged and abandoned wells.

(3) Injection shall be accomplished through 2 7/8 inch or 3 1/2 inch internally fiberglass-lined tubing installed in a packer set within 100 feet of the uppermost injection perforation in each well. The casing-tubing annulus shall be filled with an inert fluid and a gauge or approved leak-detection device shall be attached to the annulus in order to determine leakage in the casing, tubing, or packer.

\* (4) The injection wells or pressurization system within the Phase I Area shall be equipped with a pressure control device or acceptable substitute that will limit the surface injection pressure to no more than:

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1100 psig for injection of water;  
1250 psig for injection of CO<sub>2</sub>; and  
1770 psig for injection of produced gas.

(5) The Division Director may administratively authorize an increase in surface injection pressure upon a showing by the operator that such higher pressure will not result in the fracturing of the injection formation or confining strata.

(6) Prior to commencing injection operations, the casing in each of the injection wells within the Phase I Area shall be pressure tested throughout the interval from the surface down to the proposed packer setting depth to assure the integrity of such casing.

(7) Prior to commencing injection operations into the North Hobbs Grayburg San Andres Unit No. 311 located 1309 feet from the North line and 2310 feet from the East line (Unit B) of Section 19, Township 18 South, Range 38 East, NMPM, Oxy shall perform remedial cement operations on the production liner in a manner prescribed by the supervisor of the Division's Hobbs District Office in order to assure that this well will not serve as a conduit for injected fluid to migrate from the proposed injection interval.

(8) Oxy shall not commence injection into any of its injection wells that are located within ½ mile of the Conoco Inc. North Hobbs Unit No. 1 (API No. 30-025-05449) located 660 feet from the North and West lines (Unit D) of Section 13, Township 18 South, Range 37 East, NMPM, until such time as Conoco Inc. complies with a Division directive to bring the well into compliance, either by properly temporarily abandoning the well or permanently plugging and abandoning the well.

(9) The operator shall give advance notice to the supervisor of the Division's Hobbs District Office of the date and time (i) injection equipment will be installed, (ii) the mechanical integrity pressure tests will be conducted, and (iii) remedial work will be conducted on the North Hobbs Grayburg San Andres Unit No. 311, so that these operations may be witnessed.

(10) The operator shall immediately notify the supervisor of the Division's Hobbs District Office of the failure of the tubing, casing or packer in any of the injection wells, or the leakage of water, oil or gas from or around any producing or plugged and abandoned well within the project area, and shall promptly take all steps necessary to correct such failure or leakage.

(11) The project is hereby designated the North Hobbs Grayburg San Andres Unit Phase I Tertiary Recovery Project, and the applicant shall conduct injection

Attachment To Form C-108  
Miscellaneous Data

North Hobbs (Grayburg/San Andres) Unit  
Well No. 321  
Letter G, 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

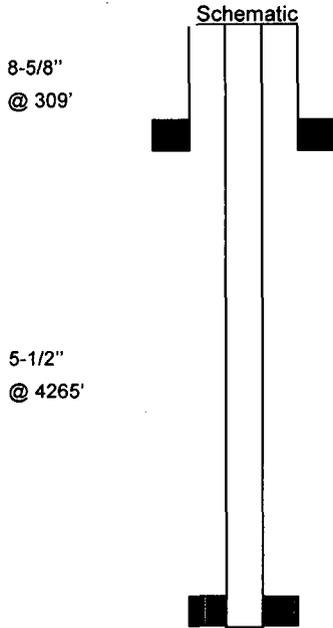
No active fresh water sample points could be found in the area of review

- 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.

INJECTION WELL DATA SHEET

30-025-05463

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 321	Footage Location 1650' FNL & 1650' FEL	Section 23	Township 18-S	Range 37-E	Unit Letter G



<u>Surface Casing</u>		<u>Tubular Data</u>	
Size	<u>8- 5/8"</u>	Cemented with	<u>300</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>1355</u> sxs.
TOC	<u>2804'</u>	Determined by	<u>CBL</u>
Hole size	_____		
<u>Liner</u>			
Size	_____	Cemented with	_____ sxs.
TOC	_____	Determined by	_____
Hole size	_____		
Total depth	<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'



**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  
 1 - 6 copies  
 2 - Lease - 5 copies  
**STRICT I**

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-105  
 Revised 1-1-89

1. Box 1980, Hobbs, NM 88240

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

**STRICT II**  
 1. Drawer DD, Artesia, NM 88210

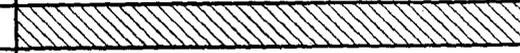
WELL API NO.  
**30-025-35467**

5. Indicate Type Of Lease  
 STATE  FEE

6. State Oil & Gas Lease No.

**STRICT III**  
 100 Rio Brazos Rd., Aztec, NM 87410

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**



Type of Well: OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

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

Type of Completion: NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF RESVR  OTHER \_\_\_\_\_

8. Well No.  
**611**

Name of Operator  
**Occidental Permian Limited Partnership**

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

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

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  
 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

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

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

Type Electric and Other Logs Run **NER - TDLD CN/GR - AL Micro-CFL/GR** 22. Was Well Cored **No**

**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.	

**LINER RECORD**

25. **TUBING RECORD**

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8	4100'	

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

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

**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**

Well Tubing Press. **50** Casing Pressure **35** Calculated 24-Hour Rate Oil - Bbl. **29** Gas - MCF **39** Water - Bbl. **2359** Oil Gravity - API - (Corr.) **35**

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

List Attachments  
**Logs (3 ea.), Inclination Report**

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

**OIL CONSERVATION DIVISION**

2040 Pacheco St.  
Santa Fe, NM 87505

Submit 3 Copies  
to Appropriate  
District Office

**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.
7. Lease Name or Unit Agreement Name <b>North Hobbs G/SA Unit</b>
8. Well No. <b>611</b>
9. Pool name or Wildcat <b>Hobbs; Grayburg - San Andres</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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER
2. Name of Operator <b>Occidental Permian Limited Partnership</b>
3. Address of Operator <b>P.O. Box 4294, Houston, TX 77210-4294</b>
4. Well Location 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 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.) <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"/>	REMEDIAL WORK <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
NULL OR ALTER CASING <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
OTHER: <input type="checkbox"/>	OTHER: <u>Run 5-1/2" Casing</u> <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: Run 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.	30-025-35467
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name	North Hobbs G/SA Unit
8. Well No.	611
9. Pool name or Wildcat	Hobbs; Grayburg - San Andres
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3678' 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 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

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

<b>NOTICE OF INTENTION TO:</b>	<b>SUBSEQUENT REPORT OF:</b>
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <u>Spud &amp; Run Surface Casing</u> <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.

4/9/01: MI x RU. Spud 12-1/4" hole at 2:00 a.m. (NMCD 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 sk. PBCZ followed by 250 sk. Premium Plus. Plug down and circulate 104 sk. 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

mit to Appropriate  
 ict Office  
 e Lease - 6 copies  
 Lease - 5 copies  
 TRICT I  
 Box 1980, Hobbs, NM 88240

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-105  
 Revised 1-1-89

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

TRICT II  
 Drawer DD, Artesia, NM 88210  
 TRICT III  
 10 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.

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

8. Well No. **612**

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG.**

Type of Well:  
 OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

Type of Completion:  
 NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF RESVR  OTHER \_\_\_\_\_

Name of Operator  
**Occidental Permian Limited Partnership**

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

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

Date Spudded <b>12/3/01</b>	11. Date T.D. Reached <b>12/13/01</b>	12. Date Compl. (Ready to Prod.) <b>N/A</b>	13. Elevations (DF & RKB, RT, GR, etc.) <b>3676' GR</b>	14. Elev. Casinghead
Total Depth <b>4435'</b>	16. Plug Back T.D. <b>4390'</b>	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By <b>4435'</b>	Rotary Tools Cable Tools
Producing Interval(s), of this completion - Top, Bottom, Name <b>4216' - 4327'; Grayburg - San Andres</b>				20. Was Directional Survey Made <b>No</b>
Type Electric and Other Logs Run <b>AL Micro-CFL/GR; NGR; TD L-D CN/NGT</b>				22. Was Well Cored <b>No</b>

**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 ex.</b>	
<b>8-5/8</b>	<b>24</b>	<b>1507</b>	<b>12-1/4</b>	<b>850 ex.</b>	
<b>5-1/2</b>	<b>15.5</b>	<b>4435</b>	<b>7-7/8</b>	<b>900 ex.</b>	

**LINER RECORD**

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

**25. TUBING RECORD**

SIZE	DEPTH SET	PACKER SET
<b>2-7/8</b>	<b>4139</b>	

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

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

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

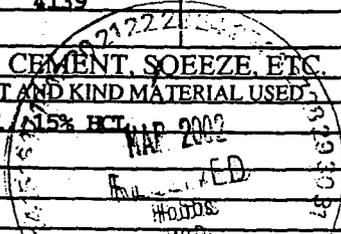
**PRODUCTION**

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

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.) \_\_\_\_\_

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



List Attachments  
**Logs (3 ea.), Inclination Report**

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.  
30-025-35450

5. Indicate Type of Lease  
STATE  FEE

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.)

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

1. Type of Well:  
OIL WELL  GAS WELL  OTHER

8. Well No.  
612

2. Name of Operator  
Occidental Permian Limited Partnership

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. Elevation (Show whether DF, RKB, RT, GR, etc.)  
3676' GR

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

**NOTICE OF INTENTION TO:**

**SUBSEQUENT REPORT OF:**

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

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, ITC 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:

**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**  
000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO. <b>30-025-35450</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.)

7. Lease Name or Unit Agreement Name <b>North Hobbs G/SA Unit</b>
--

1. Type of Well:  
OIL WELL  GAS WELL  OTHER

8. Well No. <b>612</b>
---------------------------

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

9. Pool name or Wildcat <b>Hobbs; Grayburg - San Andres</b>
--

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

10. Elevation (Show whether DF, RKB, RT, GR, etc.) <b>3676' GR</b>
---

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

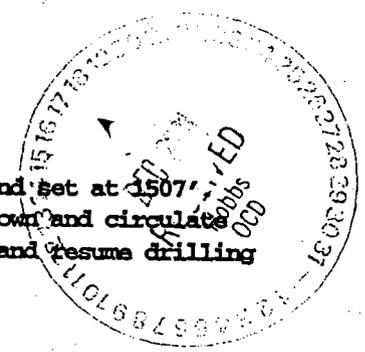
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
WELL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: <u>Spud &amp; Run Surface Casing</u> <input checked="" type="checkbox"/>	

2. 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. (NMCCD 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 sk. PBCZ followed by 250 sk. Premium Plus. Plug down and circulate 88 sk. 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)

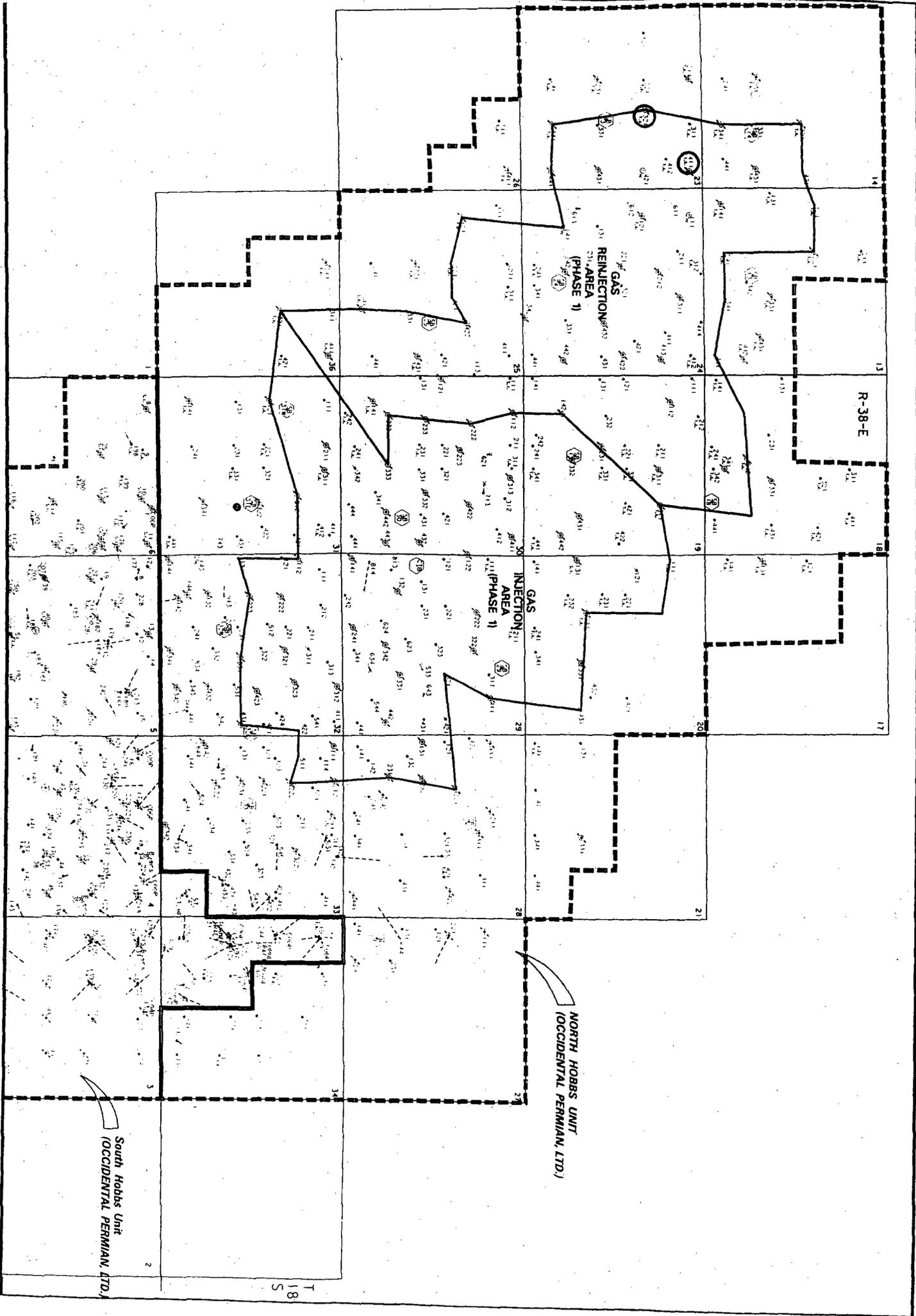
ORIGINAL SIGNED BY  
PAUL F. KAUTZ  
PETROLEUM ENGINEER

DEC 18 2001

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

CONDITIONS OF APPROVAL, IF ANY:

Exhibit 2.0 - Showing the location of the wells in Oxy's North Hobbs Unit C02 Injection Project



South Hobbs Unit  
(OCCIDENTAL PERMIAN LTD.)

NORTH HOBBS UNIT  
(OCCIDENTAL PERMIAN LTD.)

T  
18  
S

## 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

X

Agent

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

[Signature]

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 BWPD, 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