



**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' 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'-4,239'	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.**

Case No. 12722

Order No. R-6199-B

Page 9

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:

Case No. 12722

Order No. R-6199-B

Page 10

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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

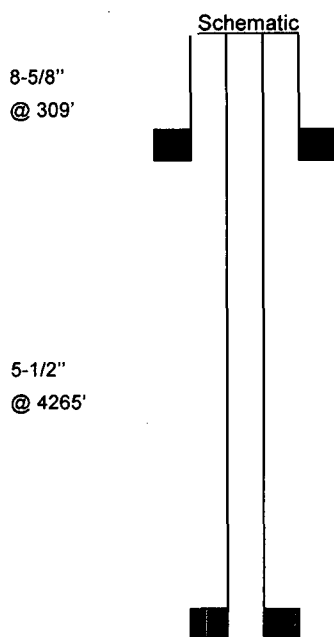
No active fresh water sample points could be found in the area of review

- 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	8- 5/8"	Cemented with	300 sxs.
TOC	SURF	Determined by	CIRC
Hole size			
<u>Intermediate Casing</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
<u>Long string Casing</u>			
Size	5-1/2"	Cemented with	1355 sxs.
TOC	2804'	Determined by	CBL
Hole size			
<u>Liner</u>			
Size		Cemented with	sxs.
TOC		Determined by	
Hole size			
Total depth	4265'		

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  
strict Office  
ite Lease - 6 copies  
e Lease - 5 copies  
STRICT I

J. Box 1980, Hobbs, NM 88240

STRICT II

J. Drawer DD, Artesia, NM 88210

STRICT III

00 Rio Brazos Rd., Aztec, NM 87410

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

WELL API NO.

30-025-35467

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.

611

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 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? 1 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

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

Perforation record (interval, size, and number)

4138' - 4276' (4 JSPP)

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

DEPTH INTERVAL 4138' - 4276' AMOUNT AND KIND MATERIAL USED 3500 gal. 15% HCL

PRODUCTION

1st Production <u>5/7/01</u>	Production Method (Flowing, gas lift, pumping - Size and type pump) <u>Pumping, ESP - Reda</u>					Well Status (Prod. or Shut-in) <u>Producing</u>	
1st of Test <u>5/7/01</u>	Hours Tested <u>24</u>	Choke Size <u>N/A</u>	Prod'n For Test Period	Oil - Bbl. <u>29</u>	Gas - MCF <u>39</u>	Water - Bbl. <u>2359</u>	Gas - Oil Ratio <u>1345</u>
2nd of Test	Casing Pressure <u>35</u>	Calculated 24-Hour Rate	Oil - Bbl. <u>29</u>	Gas - MCF <u>39</u>	Water - Bbl. <u>2359</u>	Oil Gravity - API - (Corr.) <u>35</u>	

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

**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>	

<b>11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data</b>	
<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"/>
WELL 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: <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: 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

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

**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. (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  
nct Office  
e Lease - 6 copies  
Lease - 5 copies

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

Box 1980, Hobbs, NM 88240

Drawer DD, Artesia, NM 88210

0 Rio Brazos Rd., Aztec, NM 87410

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 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

Total Depth 4435' 16. Plug Back T.D. 4390' 17. If Multiple Compl. How Many Zones? 1 18. Intervals Drilled By Rotary Tools 4435' Cable Tools

Producing Interval(s), of this completion - Top, Bottom, Name 4216' - 4327'; Grayburg - San Andres 20. Was Directional Survey Made No

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

LINER RECORD

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

25. TUBING RECORD

26. Perforation record (interval, size, and number)	27. ACID, SHOT, FRACTURE, CEMENT, SOEEZE, ETC.
<u>4216' - 4327', 2 JSPF</u>	DEPTH INTERVAL <u>4216' - 4327'</u> AMOUNT AND KIND MATERIAL USED <u>500 gal 15% HCL</u>

PRODUCTION

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

ate of Test Hours Tested Choke Size Prod'n For Test Period Oil - Bbl. Gas - MCF Water - Bbl. Gas - Oil Ratio

ow 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. <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.
7. Lease Name or Unit Agreement Name <b>North Hobbs G/SA Unit</b>
8. Well No. <b>612</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 <input type="checkbox"/>	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>E</b> : <b>2220</b> Feet From The <b>North</b> Line and <b>406</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>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"/>	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: <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.

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 xs. 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  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ PETROLEUM ENGINEER DATE DEC 26 2001

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  
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.
7. Lease Name or Unit Agreement Name <b>North Hobbs G/SA Unit</b>
8. Well No. <b>612</b>
9. Pool name or Wildcat <b>Hobbs; Grayburg - San Andres</b>
10. Elevation (Show whether DF, RKB, RT, GR, etc.) <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.)

Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	Name of Operator <b>Occidental Permian Limited Partnership</b>	8. Well No. <b>612</b>
Address of Operator <b>P.O. Box 4294, Houston, TX 77210-4294</b>	9. Pool name or Wildcat <b>Hobbs; Grayburg - San Andres</b>	
Well Location Unit Letter <b>E</b> <b>2220</b> Feet From The <b>North</b> Line and <b>406</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>3676' GR</b>		

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

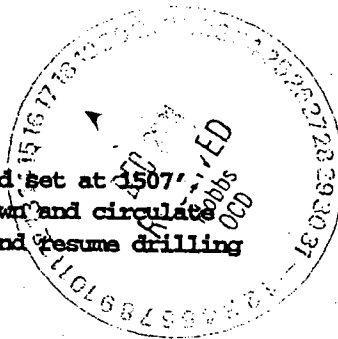
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	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: <b>Spud &amp; Run Surface Casing</b> <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. (NMCD 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.



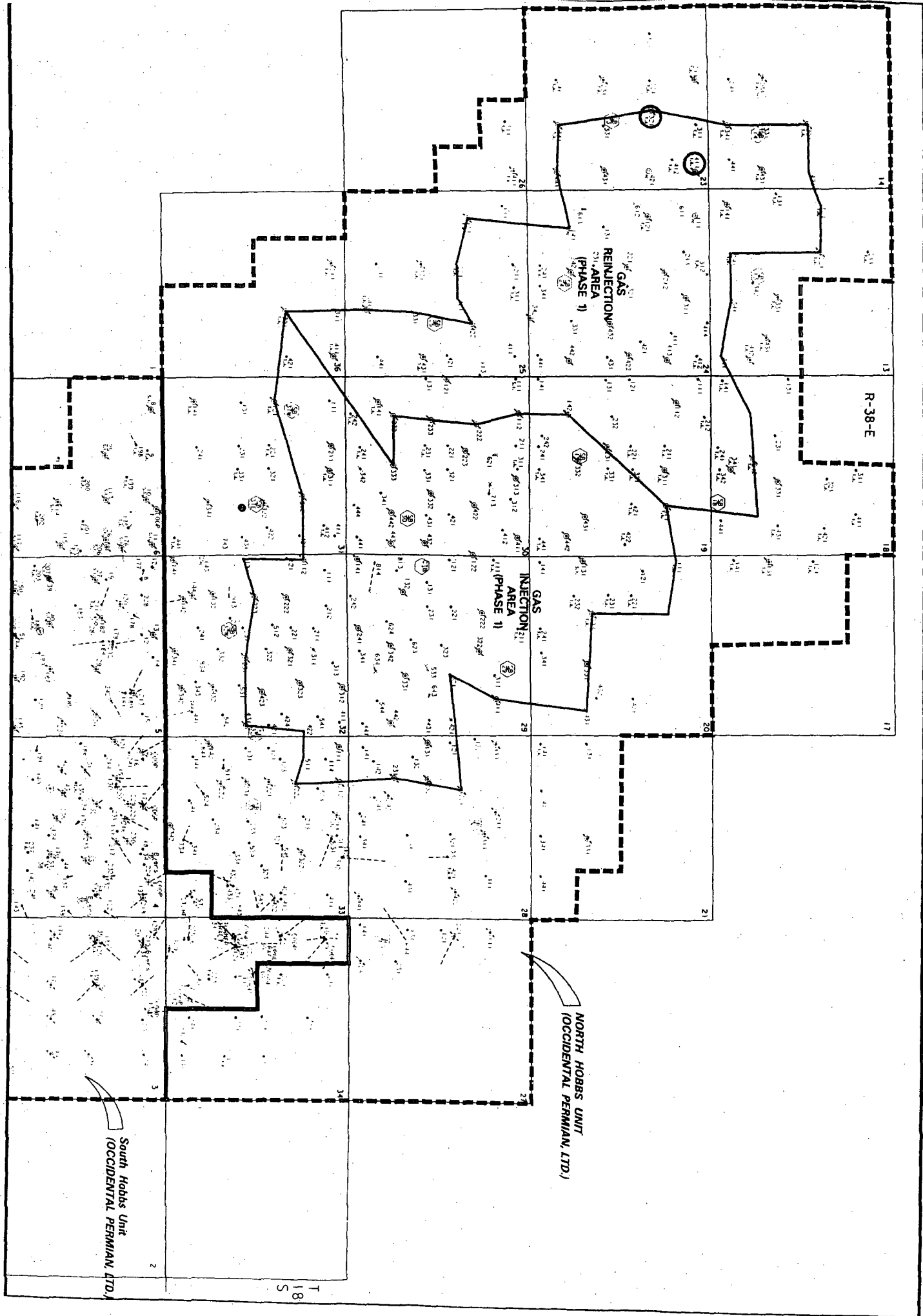
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

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)

APPROVED BY \_\_\_\_\_ TITLE PAUL F. KAUTZ DATE DEC 18 2001  
CONDITIONS OF APPROVAL, IF ANY: PETROLEUM ENGINEER

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

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

**X**☐ Agent☐ AddresseeB. Received by (*Printed Name*)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☒ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.4. Restricted Delivery? (*Extra Fee*)☐ Yes

2. Article Number

*(Transfer from service label)*

7004 1160 0007 0743 4033

# 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 adver-  
tisements 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 Per-  
mian 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 Mex-  
ico 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 An-  
dres Pool Between the intervals of +/-3680' and +/-5300'  
below the surface of the ground. Expected maximum injec-  
tion rate is 9000 BWPD, and the expected maximum injec-  
tion pressure is approximately 1100 psi. Interested parties  
must file objections or requests for hearing with the Oil Con-  
servation 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