

DATE IN 1/5/06	SUSPENSE 1/20/06	ENGINEER DRC	LOGGED IN 1/10/06	TYPE PMX	APP NO. PDC0601026515
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



243

ADMINISTRATIVE APPLICATION CHECKLIST

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

Application Acronyms:

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

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
 [A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
 [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☒ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☐ Does Not Apply
- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
 [B] ☒ Offset Operators, Leaseholders or Surface Owner
 [C] ☒ Application is One Which Requires Published Legal Notice
 [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
 [E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,
 [F] ☐ Waivers are Attached

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

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

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

Mark Stephens
Print or Type Name

Mark Stephens
Signature

Reg. Comp. Analyst
Title

1/4/06
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 4, 2006

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

RECEIVED
JAN 2006

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

RE: North Hobbs (Grayburg/San Andres) Unit
Pressure Maintenance Project (R-6199-B, 10/22/01)
Hobbs; Grayburg-San Andres Pool
Well No. 633 (30-025-37446)
Letter G, Section 19, T-18-S, R-38-E
Lea County, NM

Gentlemen:

Occidental Permian Limited Partnership respectfully requests administrative approval for expansion of the subject pressure maintenance project by the drilling and completion of the subject well as an injection well. In accordance with the provisions of Division Order No. R-6199-B (10/22/01), the following data is submitted in support of this request:

- Administrative Application Checklist
- Form C-108 with miscellaneous data attached
- Form C-101, C-102, & C-103 (2 ea.)
- An injection well data sheet
- A map reflecting the location of the proposed injection well. The map identifies all wells located within a two-mile radius of the proposed injector and has a one-half mile radius circle drawn around the proposed injection well which identifies the well's Area of Review
- 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 subject well and nearby wells previously approved for similar injectants/rates
- A list of Offset Operators and Surface Owners (these parties have been notified of this application by certified mail)
- An Affidavit of Publication and copy of the legal advertisement that was published in the county in which the well is located

Your favorable consideration in this matter will be appreciated. If you have any questions or need additional information, please contact me at (713) 366-5158.

Very truly yours,

Mark Stephens
Regulatory Compliance Analyst

CC: Oil Conservation Division
Hobbs District Office
1625 N. French Dr.
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 Stephens DATE: January 4, 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.

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. 633
API No. 30-025-37446
Letter G, Sec. 19, T-18-S, R-38-E (SHL)
Lea County, NM

III. Well Data

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

VII. Proposed Operation

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

IX. Stimulation Program

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

- XI. Fresh Water Sample Analysis
(Laboratory Services, Inc. analysis attached – 2 ea., for nearby Well No. 231 in
Section 19)

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

MITCHELL ANALYTICAL LABORATORY

2638 Faudree
Odessa, Texas 79765-8538
561-5579

Company: **Nalco Energy Services**

Well Number: WIB Pump Dis. #3
Lease: OXY
Location:
Date Run: 1/25/2005
Lab Ref #: 05-jan-n23830

Sample Temp: 70
Date Sampled: 1/19/2005
Sampled by: Mike Athey
Employee #: 27-008
Analyzed by: DOM

Dissolved Gases

		Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulfide (H2S)		137.00	16.00	8.56
Carbon Dioxide (CO2)	NOT ANALYZED			
Dissolved Oxygen (O2)	NOT ANALYZED			

Cations

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

Anions

		Mg/L	Eq. Wt.	MEq/L
Hydroxyl (OH-)		.00	17.00	.00
Carbonate (CO3=)		.00	30.00	.00
BiCarbonate (HCO3-)		2,028.52	61.10	33.20
Sulfate (SO4=)		1,700.00	48.80	34.84
Chloride (Cl-)		6,006.60	35.50	169.20
Total Iron (Fe)		0.28	18.60	.02
Total Dissolved Solids		14,863.70		
Total Hardness as CaCO3		4,214.56		
Conductivity MICROMHOS/CM		26,250		

pH 6.350 Specific Gravity 60/60 F. 1.010

CaSO4 Solubility @ 80 F. 39.63 MEq/L, CaSO4 scale is unlikely

CaCO3 Scale Index

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

Nalco Energy Services



Laboratory Services, Inc.

4016 Fiesta Drive
Hobbs, New Mexico 88240
Telephone: (505) 397-3713

Water Analysis

COMPANY Altura Energy Ltd,

SAMPLE Fresh Water Well For Well 19-231

SAMPLED BY

DATE TAKEN 5/10/00

REMARKS T18S-R38E Sec. 19, Qtr Sec 4,3,2

Barium as Ba	0	
Carbonate alkalinity PPM	0	
Bicarbonate alkalinity PPM	180	
pH at Lab	7.58	
Specific Gravity @ 60°F	1.001	
Magnesium as Mg	158	
Total Hardness as CaCO3	272	
Chlorides as Cl	60	
Sulfate as SO4	80	
Iron as Fe	0.02	
Potassium	0.09	
Hydrogen Sulfide	0	
Rw	11.8	23.0 C
Total Dissolved Solids	615	
Calcium as Ca	114	
Nitrate	11.9	

Results reported as Parts per Million unless stated

Langelier Saturation Index - 0.07

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

**Laboratory Services, Inc.**

4016 Fiesta Drive
Hobbs, New Mexico 88240
Telephone: (505) 397-3713

Water Analysis

COMPANY Altura Energy Ltd,

SAMPLE Fresh Water Well For Well 19-231

SAMPLED BY

DATE TAKEN 5/10/00

REMARKS T18S-R38E-Sec 19, Qtr Sec. 4,3,2

Barium as Ba	0
Carbonate alkalinity PPM	0
Bicarbonate alkalinity PPM	228
pH at Lab	7.3
Specific Gravity @ 60°F	1.001
Magnesium as Mg	169
Total Hardness as CaCO ₃	292
Chlorides as Cl	64
Sulfate as SO ₄	100
Iron as Fe	0
Potassium	0.09
Hydrogen Sulfide	0
Rw	11.8
Total Dissolved Solids	715
Calcium as Ca	123
Nitrate	12.8

Results reported as Parts per Million unless stated

Langelier Saturation Index - 0.25

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

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV1220 S. St Francis Dr., Santa Fe, NM
87505

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

Form C-101

Permit 15479

APPLICATION FOR PERMIT TO DRILL

Operator Name and Address OCCIDENTAL PERMIAN LTD PO Box 4294 Houston, TX 77210-4294		OGRID Number 157984
		API Number 30-025-37446
Property Code 19520	Property Name NORTH HOBBS G/SA UNIT	Well No. 633

Surface Location

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
G	19	18S	38E	G	2290	N	1410	E	Lea

Bottom Holes

Pool: HOBBS;GRAYBURG-SAN ANDRES 31920									
UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
J	19	18S	38E	J	2503	S	1503	E	Lea

Work Type New Well	Well Type OIL	Cable/Rotary	Lease Type Private	Ground Level Elevation 3655
Multiple N	Proposed Depth 4600	Formation San Andres	Contractor	Spud Date 10/08/2005

Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	24	1550	850	0
Prod	7.875	5.5	15.5	4600	1000	0

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	1100	
Double Ram	3000	1100	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Electronically Signed By: Elizabeth Bush-Ivie		Electronically Approved By: Paul Kautz	
Title: Regulatory Team Leader		Title: Geologist	
Date: 09/09/2005		Approval Date: 09/09/2005	Expiration Date: 09/09/2006
Phone: 713-366-5305		Conditions of Approval: There are conditions. See Attached.	

State of New Mexico

DISTRICT I

1626 N. FRENCH DR., HOBBBS, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION

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

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

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-37446	Pool Code 31920	Pool Name Hobbs; Grayburg-San Andres
Property Code 19520	Property Name NORTH HOBBS G/SA UNIT	Well Number 633
OGRID No. 157984	Operator Name OCCIDENTAL PERMIAN, LTD	Elevation 3655'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	19	18-S	38-E		2290	NORTH	1410	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	19	18-S	38-E		2503	SOUTH	1503	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

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

<p>GEODETIC COORDINATES NAD 27 NME SURF. Y=632591.1 N X=853621.3 E</p> <p>LAT.=32°44'01.73" N LONG.=103°11'00.17" W</p> <p>GR.AZ.=189°54'37" GR.DIST.=505.4'</p> <p>B.H. Y=632093.2 N X=853534.3 E</p>	<p>2290'</p> <p>3656.9'</p> <p>3653.1'</p> <p>1410'</p> <p>3650.1'</p> <p>3646.1'</p> <p>1503'</p> <p>2503'</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Mark Stephens</i> Signature Mark Stephens Printed Name Reg. Comp. Analyst Title January 3, 2006 Date</p> <p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>JULY 27, 2005</p> <p>Date Surveyed JR</p> <p>Signature <i>Gary E. Edson</i> Professional Surveyor GARY E. EDSON NEW MEXICO 08641.1079 Certificate No. 12841</p>
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Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

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

WELL API NO. 30-025-37446
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: North Hobbs G/SA Unit
8. Well Number 633
9. OGRID Number 157984
10. Pool name or Wildcat Hobbs; Grayburg - San Andres

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	7. Lease Name or Unit Agreement Name: North Hobbs G/SA Unit
2. Name of Operator Occidental Permian Limited Partnership	8. Well Number 633
3. Address of Operator P.O. Box 4294, Houston, TX 77210-4294	9. OGRID Number 157984
4. Well Location Unit Letter <u>G</u> : <u>2290</u> feet from the <u>North</u> line and <u>1410</u> feet from the <u>East</u> line Section <u>19</u> Township <u>18-S</u> Range <u>38-E</u> NMPM County <u>Lea</u>	10. Pool name or Wildcat Hobbs; Grayburg - San Andres
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3655' GR	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>	
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____	
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____	

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>
OTHER: <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: Spud & Run Surface Casing <input checked="" type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

See Attachment

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

SIGNATURE Mark Stephens TITLE Regulatory Compliance Analyst DATE 10/7/05
Type or print name Mark Stephens E-mail address: Mark_Stephens@oxy.com Telephone No. (713) 366-5158

For State Use Only

APPROVED BY _____ TITLE ORIGINAL SIGNED BY DATE OCT 14 2005
Conditions of Approval, if any: PAUL F. KAUF
PETROLEUM ENGINEER

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

10/2/05 -

10/3/05: Run 35 jts. 8-5/8", 24#, J-55, ST&C casing with 10 centralizers and set at 1514'.
RU Halliburton and cement with 450 sx. Premium Plus (lead) and 300 sx. Premium Plus (tail). Displace with 94 bbls FW. Bump plug with 1400 psi, float held. Circulated 108 sx. to surface. WOC 4 hours. Cut off casing x weld on casing flange. NU BOP x test blind rams and pipe rams. Drill out cement and resume drilling operations.

Submit 3 Copies To Appropriate District
Office

District I

1625 N. French Dr., Hobbs, NM 87240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103

May 27, 2004

WELL API NO.

30-025-37446

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 Number

633

9. OGRID Number

157984

10. Pool name or Wildcat

Hobbs: Grayburg - San Andres

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH
PROPOSALS.)

1. Type of Well:

Oil Well ☒

Gas Well ☐

Other

2. Name of Operator

Occidental Permian Limited Partnership

3. Address of Operator

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

4. Well Location

SHL: Unit Letter G : 2290 feet from the North line and 1410 feet from the East line
BHL: J 2503 South 1503 East
Section 19 Township 18-S Range 38-E NMPM County Lea

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

3655' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

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

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

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Run 5-1/2" Production Casing ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

See Attachment

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

SIGNATURE Mark Stephens TITLE Regulatory Compliance Analyst DATE 10/12/05

Type or print name Mark Stephens

E-mail address: Mark_Stephens@oxy.com

Telephone No. (713) 366-5158

For State Use Only

APPROVED BY _____ TITLE _____ DATE OCT 26 2005

Conditions of Approval, if any:

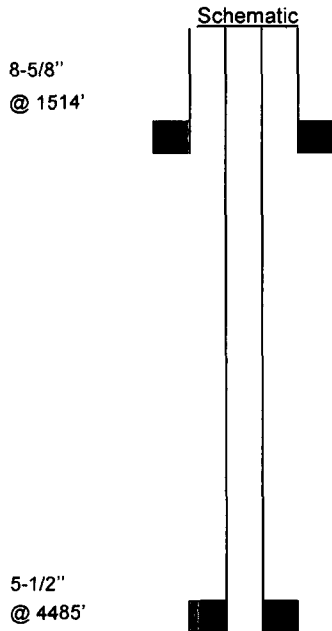
10/7/05 -

10/9/05: Drill to TD at 4488'. RU casing crew and run 105 jts. 5-1/2", 15.5#, J-55, LT&C casing with 10 centralizers and set at 4485'. RU Halliburton and cement first stage with 300 sx. Premium Plus. Bump plug, drop bomb, and open DV tool. Circulate through DV tool for 4 hours and circulate 180 sx. off top of DV tool. Cement second stage with 600 sx. Interfill 'C' (lead) and 100 sx. Premium Plus (tail). Circulate 115 sx. to surface off second stage. ND BOP x set casing slips. Cut off casing x NU tubing spool. Jet and clean pits x RD.

Release drilling rig at 11:30 p.m., 10/9/05.

INJECTION WELL DATA SHEET

Operator Occidental Permian Limited Partnership		Lease North Hobbs G/SA Unit			County Lea
Well No. 633	Footage Location 2290' FNL & 1410' FEL	Section 19	Township 18-S	Range 38-E	Unit Letter G



Tubular Data

Surface Casing
 Size 8- 5/8" Cemented with 750 sxs.
 TOC SURF Determined by CIRC
 Hole size _____

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

Long string Casing
 Size 5-1/2" Cemented with 1000 sxs.
 TOC SURF Determined by CIRC
 Hole size _____

Liner
 Size _____ Cemented with _____ sxs.
 TOC _____ Determined by _____
 Hole size _____

Total depth 4488'

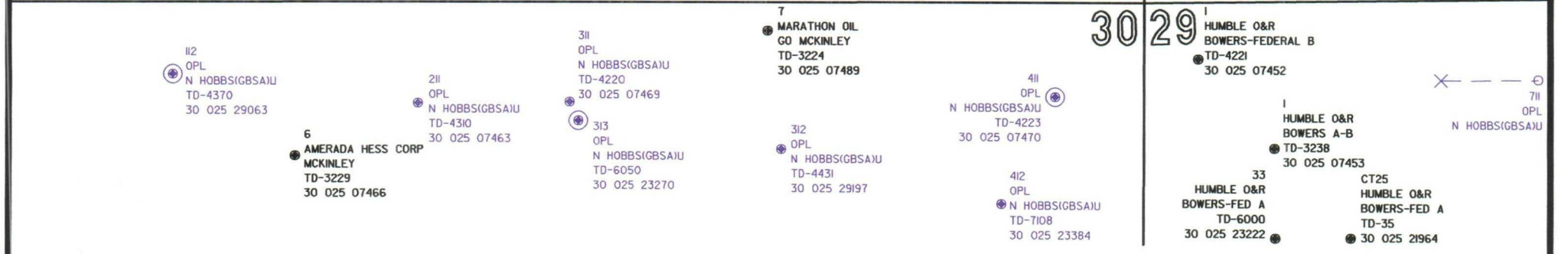
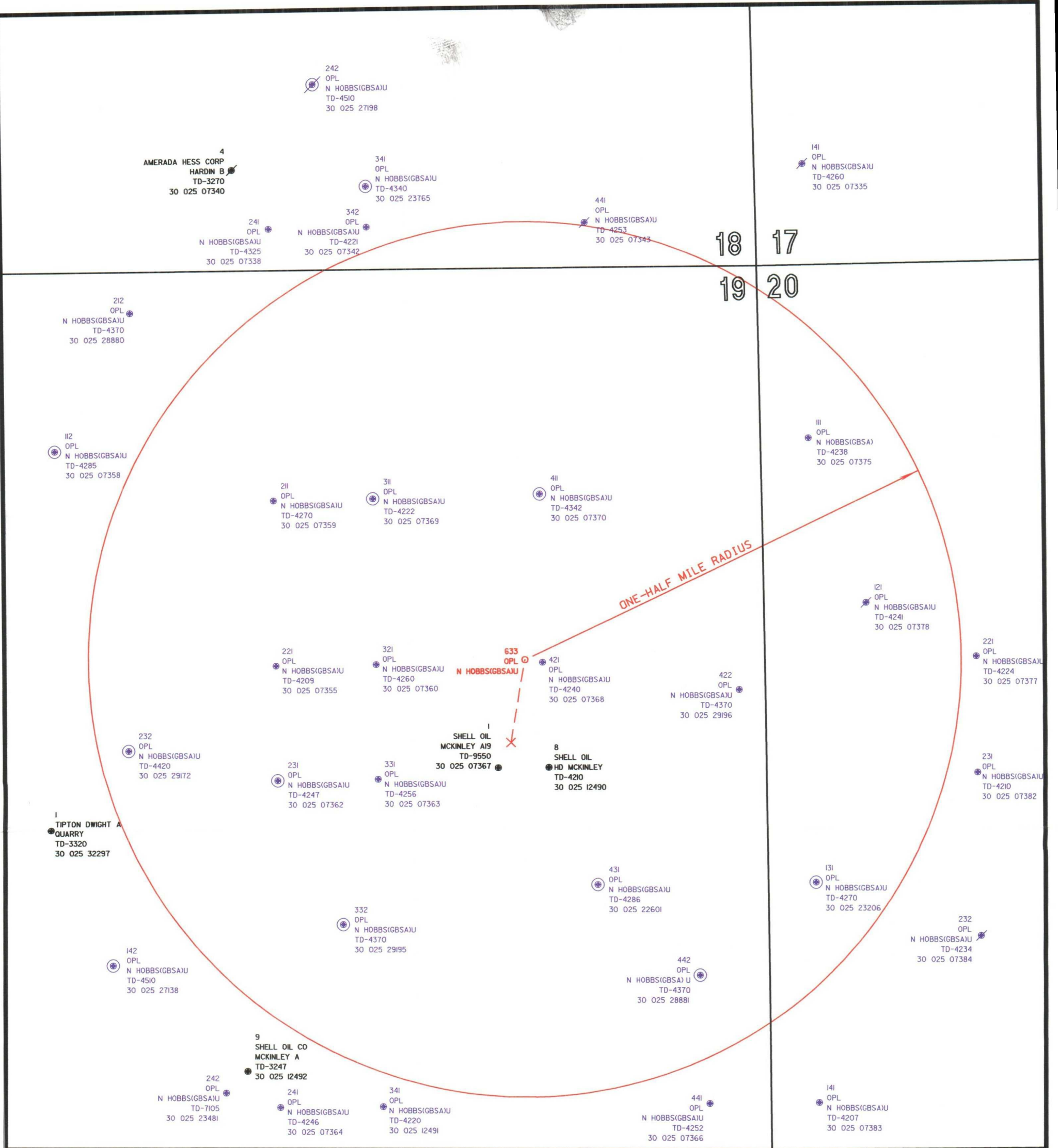
Injection interval
Approx. 4000 feet to TD

Completion type Perforated Casing

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

Other Data

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



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. 19-633

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

Scale: 1" = 600' 10-04-2005 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 No. 633

Active Wells (includes SI and TxA'd wells) – 15

Section 19, T-18-S, R-38-E

North Hobbs G/SA Unit No. 211 (30-025-07359)
North Hobbs G/SA Unit No. 221 (30-025-07355)
North Hobbs G/SA Unit No. 231 (30-025-07362)
North Hobbs G/SA Unit No. 232 (30-025-29172)
North Hobbs G/SA Unit No. 311 (30-025-07369)
North Hobbs G/SA Unit No. 321 (30-025-07360)
North Hobbs G/SA Unit No. 331 (30-025-07363)
North Hobbs G/SA Unit No. 332 (30-025-29195)
North Hobbs G/SA Unit No. 411 (30-025-07370)
North Hobbs G/SA Unit No. 421 (30-025-07368)
North Hobbs G/SA Unit No. 422 (30-025-29196)
North Hobbs G/SA Unit No. 431 (30-025-22601)
North Hobbs G/SA Unit No. 442 (30-025-28881)

Section 20, T-18-S, R-38-E

North Hobbs G/SA Unit No. 111 (30-025-07375)
North Hobbs G/SA Unit No. 131 (30-025-23206)

Plugged and Abandoned Wells – 4

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

North Hobbs G/SA Unit No. 441 (30-025-07343)

Section 19, T-18-S, R-38-E

McKinley 'A-19' No. 1 (30-025-07367)
H.D. McKinley No. 8 (30-025-12490)

Section 20, T-18-S, R-38-E

North Hobbs G/SA Unit No. 121 (30-025-07378)

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

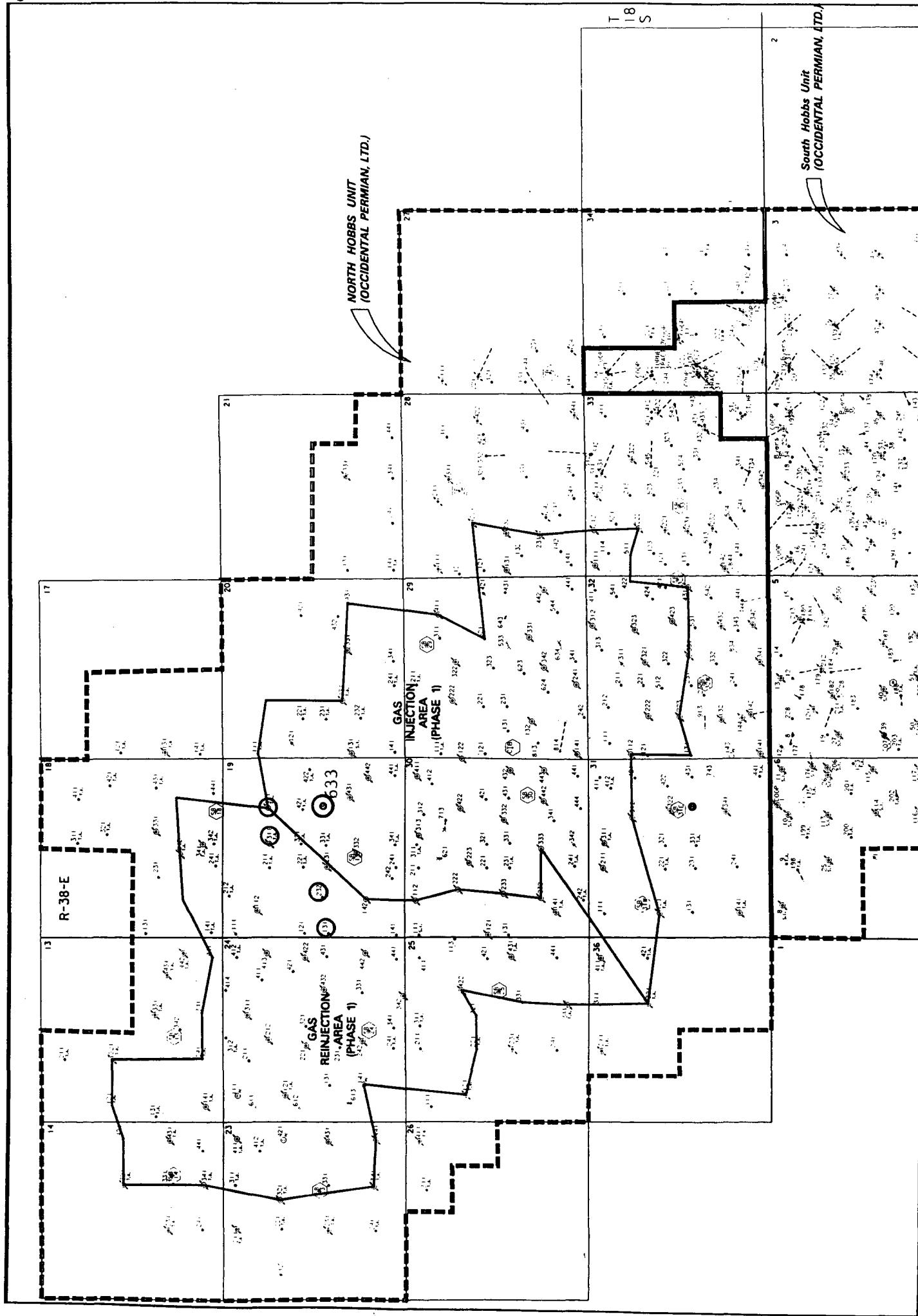
North Hobbs G/SA Unit No. 633

A review of the subject well's AOR shows that there have been no changes (other than the drilling of Well No. 633) since the previous review occurred, done as a part of Oxy's August, 2001 application to amend Order No. R-6199.

Mark Stephens 1/4/06

Mark Stephens
Regulatory Compliance Analyst
Occidental Permian Limited Partnership

Exhibit 2.0 - Well No. 633 circled in red; wells approved for similar injectants/rates under Order R-6199-B circled in blue (Copy of Oxy correspondence dated 2/19/03 is also attached)





Occidental Permian Ltd.

580 WestLake Park Blvd.
Houston, TX 77079
PO Box 4294
Houston, TX 77210-4294
281-552-1000

February 19, 2003

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Attention: Mr. David Catanach

Re: Form C-108 for North Hobbs GBSA Unit Well No. 442
Unit P, Section 30, Township 18 South, Range 38 East
Lea County New Mexico

Dear David:

To follow-up on our phone conversation today, Occidental Permian LTD. is continuing to refine the CO₂ injection plan in the North Hobbs Unit to maximize the economical recovery of hydrocarbons. From time to time, this may require us to seek NMOCD approval to adjust the original list of wells authorized for produced gas/CO₂/water (the "Gas Re-injection Area") and CO₂/water (the "Gas Injection Area") by filing additional C-108 applications as we go forward. Confining the produced gas injection to the northwest part of the unit is still the plan, but the exact boundaries of the "Gas Re-injection Area" and the "Gas Injection Area" may shift a little as the flood design matures. This was the reason for the referenced C-108 filing. I have contacted Roger Anderson regarding any issues with the H₂S Contingency Plan and await his feedback on the need to immediately amend the plan that was filed at the hearing or file a revision of the plan before produced gas injection operations start.

Thank you for your consideration of our application, and please call me at 281-552-1303 if you have any additional questions.

Sincerely,

Richard E. Foppiano
Senior Advisor - Regulatory Affairs

REF:ref

CC: Mark Stephens

LIST OF OFFSET OPERATORS & SURFACE OWNERS

North Hobbs (Grayburg/San Andres) Unit
Well No. 633
API No. 30-025-37446
Letter G, Sec. 24, T-18-S, R-38-E (SHL)
Lea County, New Mexico

Offset Operators

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

Surface Owners

Armstrong Construction Co.
P.O. Box 1873
Roswell, NM 88201

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:

Armstrong Construction Co.
P.O. Box 1873
Roswell, NM 88201

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

2. Article Number

(Transfer from service label)

7004 1160 0007 0743 4026

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

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

November 4 2005
and ending with the issue dated

November 4 2005

Kathi Bearden

Publisher

Sworn and subscribed to before

me this 4th day of

November 2005

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
November 4, 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 well for the purpose of
tertiary recovery:

Pool Name: Hobbs; Grayburg - San Andres
Lease/Unit Name: North Hobbs G/SA Unit
Well No. 633 (new drill)
Location:
2290' FNL & 1410' FEL, Unit Letter G, Sec. 19, T-18-S,
R-38-E (SHL)
2503' FSL & 1503' FEL, Unit Letter J, Sec. 19, T-18-S,
R-38-E (BHL)

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 B/D (water)/15,000 MCF/D (CO2 & pro-
duced gas) and the expected maximum injection pressure
is approximately 1100 psi (water)/1250 psi (CO2)/1770 psi
(CO2 & produced gas). Interested parties must file objec-
tions or requests for hearing with the Oil Conservation Divi-
sion, 1220 S. St. Francis Dr., Santa Fe, NM 87504 within fif-
teen (15) days.
#21870a

02101173000 02579852
OCCIDENTAL PERMIAN LIMITED
P. O. BOX 4294
HOUSTON, TX 77210-4294