

DATE IN 2.15.11	SUSPENSE	ENGINEER TW	LOGGED IN 2.15.11	TYPE PMX	APP NO. 1104654423
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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



OXY 157984

NORTH Hobbs G/SA 11431

ADMINISTRATIVE APPLICATION CHECKLIST

30-075-05492

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]

PMX-260

- [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.**

Lea
State

R-6199

Hobbs; GSA
Pool

(31920)

1250 PSI Water
1700 PSI CO₂

[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

2/14/11
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

February 14, 2010

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

RE: Expansion of Pressure Maintenance Project (R-6199-B, 10/22/01)
North Hobbs (Grayburg/San Andres) Unit
Hobbs; Grayburg – San Andres Pool
Well No. 431 (30-025-05492)
Letter I, Section 25, T-18-S, R-37-E
Lea County, NM

Gentlemen:

Occidental Permian Ltd. respectfully requests administrative approval to commence injection (water, CO₂, and produced gas) at the maximum injection rates and maximum surface injection pressures as authorized by Order No. R-6199-B dated October 22, 2001. In support of this request, please find the following documentation:

- Administrative Application Checklist
- Form C-108 with miscellaneous data attached
- An Injection Well Data Sheet
- Form C-102
- Maps (2 ea.) showing the location of the subject well. One map identifies all wells located within a two-mile radius of Well No. 431. The other map has a one-half mile radius circle drawn around the subject well which identifies the well's Area of Review
- Exhibit 1.0 – Area of Review Data
- Exhibit 2.0 – Showing the location of the well in the Phase 1 Gas Reinjection Area
- A list of Offset Operators and Surface Owners (these parties have been notified of this application by certified mail)

RECEIVED OOD
201 FEB 15 A 11:03



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

- An Affidavit of Publication and copy of the legal advertisement that was published in the county in which the well is located

Your favorable consideration of our request will be appreciated. If you have any questions or need additional information, please call me at (713) 366-5158.

Very truly yours,

Mark Stephens

Mark Stephens
Regulatory Compliance Analyst

CC: Oil Conservation Division
Hobbs District Office
1625 N. French Drive
Hobbs, NM 88240

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

Offset Operators (see attached list)

Surface Owners (see attached list)

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery ☒ Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? ☒ Yes No
- II. OPERATOR: Occidental Permian Ltd.
ADDRESS: P.O. Box 4294, Houston, TX 77210-4294
CONTACT PARTY: Mark Stephens, Rm. 20.099, GRWY 5 PHONE: (713) 366-5158
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☒ Yes No
If yes, give the Division order number authorizing the project: R-6199-B (10/22/01)
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: Mark Stephens TITLE: Reg. Comp. Analyst
SIGNATURE: Mark Stephen DATE: February 14, 2011
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. 431
API No. 30-025-05492
Letter I, Section 25, 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/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 after sidetrack work and new perfs are added (treatment design will be based on results of new log)

X. Fresh Water Sample Analysis

Laboratory Services, Inc. analysis attached -- 2 ea., for nearby North Hobbs G/SA Unit Well No. 121 (API No. 30-025-07464) in Section 30

- XII. Occidental Permian Ltd. 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.

2638 Faudree
Odessa, Texas 79765-8538
561-5579

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

		Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulfide (H ₂ S)		137.00	16.00	8.56
Carbon Dioxide (CO ₂)	NOT ANALYZED			
Dissolved Oxygen (O ₂)	NOT ANALYZED			

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

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
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CaSO4 Solubility @ 80 F.	39.63	MEq/L,	CaSO4 scale is unlikely
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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 30-121

SAMPLED BY _____

DATE TAKEN 5/10/00

REMARKS T18S-R38E-Sec.30, Qtr Sec. 1,2,3

Barium as Ba	0
Carbonate alkalinity PPM	0
Bicarbonate alkalinity PPM	224
pH at Lab	7.4
Specific Gravity @ 60°F	1.001
Magnesium as Mg	167
Total Hardness as CaCO ₃	288
Chlorides as Cl	76
Sulfate as SO ₄	110
Iron as Fe	0
Potassium	0.08
Hydrogen Sulfide	0
Rw	8
Total Dissolved Solids	717
Calcium as Ca	121
Nitrate	10.6

Results reported as Parts per Million unless stated

Langelier Saturation Index 0

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 30-121

SAMPLED BY

DATE TAKEN 5/10/00

REMARKS T18S-R38E-Sec 30, Qtr Sec 1,4,2

Barium as Ba 0

Carbonate alkalinity PPM 0

Bicarbonate alkalinity PPM 184

pH at Lab 7.42

Specific Gravity @ 60°F 1.001

Magnesium as Mg 128

Total Hardness as CaCO3 220

Chlorides as Cl 42

Sulfate as SO4 75

Iron as Fe 0

Potassium 0.08

Hydrogen Sulfide 0

Rw 12.1 23.0 C

Total Dissolved Solids 544

Calcium as Ca 92

Nitrate 11

Results reported as Parts per Million unless stated

Langelier Saturation Index - 0.33

Analysis by: Rolland Perry

Date: 5/14/00

Injection Well Data Sheet

North Hobbs (Grayburg/San Andres) Unit

Well No. 431

2310' FSL & 330' FEL, Letter I, Section 25, T-18-S, R-37-E (SHL)

2451' FSL & 1097' FEL, Letter I, Section 25, T-18-S, R-37-E (PBHL)

Lea County, New Mexico

Produced Water

Maximum Injection Rate	9000 BWPD*
Average Injection Rate	N/A
Maximum Surface Injection Pressure	1100 PSI* (will not exceed 2400 psi bottom hole pressure)
Average Surface Injection Pressure	N/A

(* In accordance with Order No. R-6199-B, effective 10/22/01)

CO2 & Produced Gas

Maximum Injection Rate	15,000 MCFGPD*
Average Injection Rate	N/A
Maximum Surface Injection Pressure	CO2 – 1250 PSI* (will not exceed 2400 psi bottom hole pressure) CO2 w/produced gas – 1770 PSI* (will not exceed 2400 psi bottom hole pressure)
Average Surface Injection Pressure	N/A

(* In accordance with Order No. R-6199-B, effective 10/22/01)

Source Water - San Andres produced water

Injection Interval: Approximately 4300' – 4567'
(Injection packer to be set within 100 feet of the top perf)

Next higher oil zone - Byers (Queen) @ +/- 3680'

Next lower oil zone - Glorieta @ +/- 5300'

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.

Current Well Conditions

NHU 25-431
API # 30-025-05492
SURFACE: 2310' FSL & 330' FEL
SEC. 25, T-18-S, R-37-E, UL 'I'
Hobbs GSA Field
LEA COUNTY, NM

TD: 4215'
PBTD: 3850' (Bridge Plug)

CASING DETAIL:

SIZE (IN)	WT (LB/FT)	DEPTH (FT)	CMT (SX)	TOC (FT)
12-1/2"	50	215'	260	Surface (circ)
9-5/8"	36	2750'	650	365' (calc)
7"	26	3977'	300	2163' (calc)

Future Well Conditions

NHU 25-431
API # 30-025-05492
SURFACE: 2310' FSL & 330' FEL
SEC. 25, T-18-S, R-37-E, UL 'I'
BOTTOM: 2540' FSL & 1090 FEL
SEC. 25 T-18-S R-37-E, UL 'I'
Hobbs GSA Field
LEA COUNTY, NM

MD: 4568'
TVD: 4247'

CASING DETAIL:

SIZE (IN)	WT (LB/FT)	DEPTH (FT)	CMT (SX)	TOC (FT)
12-1/2"	50	215'	260	Surface (circ)
9-5/8"	36	2750'	650	365' (calc)
7"	26	3977'	300	2163' (calc)
5 1/2"	15.5 FJ	3000-4568'	110	3000' TOL

Anticipated

Tubing: 2 7/8" Duoline (Fiberglass Liner)
Packer: Guiberson – Uni VI within 100' of perf
Injection Formation: San Andres
Old well previously used for Injection
None
Overlying and underlying zones: Base of Byers (Queen) -115 TVDSS
Top of Glorietta -1725 TVDSS

12-1/2", 50 #/ft @ 215' w/ 260 sks, circulated to surface

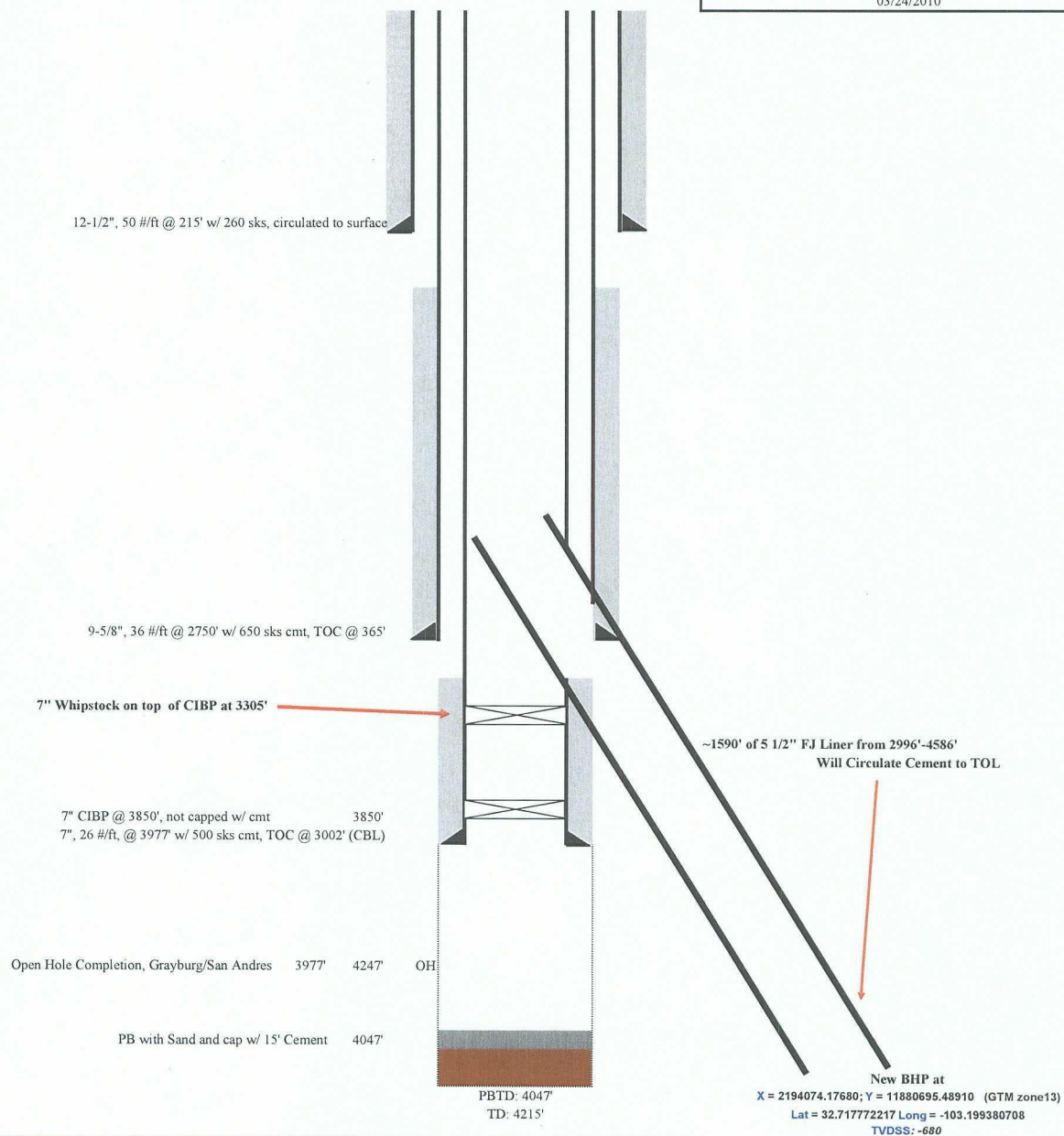
9-5/8", 36 #/ft @ 2750' w/ 650 sks cmt, TOC @ 365'

7" CIBP @ 3850', not capped w/ cmt 3850'
7", 26 #/ft, @ 3977' w/ 500 sks cmt, TOC @ 3002' (CBL)

Open Hole Completion, Grayburg/San Andres 3977' 4247' OH

PB with Sand and cap w/ 15' Cement 4047'

PBTD: 4047'
TD: 4215'



District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease- 4 Copies
Fee Lease- 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-05492	Pool Code 31920	Pool Name Hobbs; Grayburg-San Andres
Property Code 19520	Property Name NORTH HOBBS G/SA UNIT	Well Number 431
OGRID No. 157984	Operator Name OCCIDENTAL PERMIAN LTD.	Elevation 3658.6'

Surface Location

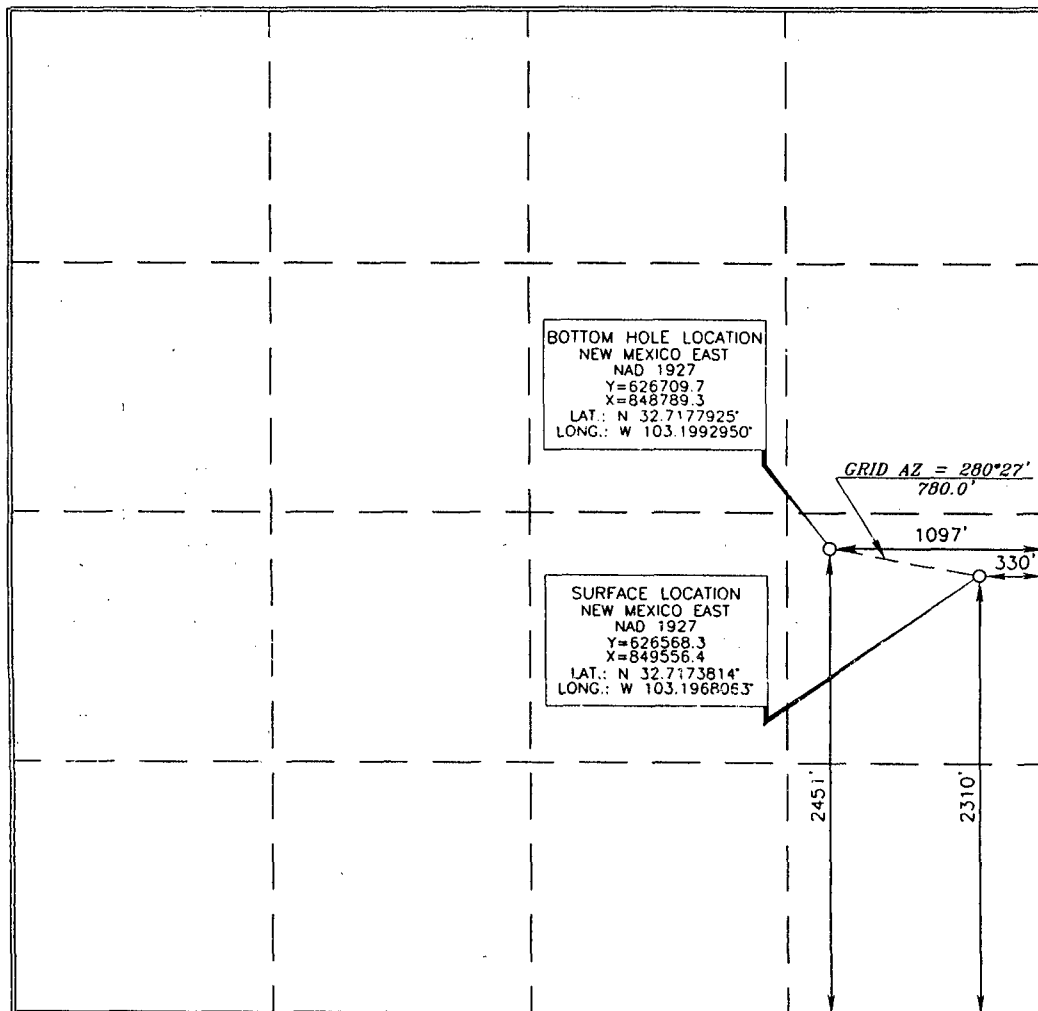
UL or lot no. I	Section 25	Township 18 SOUTH	Range 37 EAST, N.M.P.M.	Lot Idn	Feet from the 2310'	North/South line SOUTH	Feet from the 330'	East/West line EAST	County LEA
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Bottom Hole Location If Different From Surface

UL or lot no. I	Section 25	Township 18 SOUTH	Range 37 EAST, N.M.P.M.	Lot Idn	Feet from the 2451'	North/South line SOUTH	Feet from the 1097'	East/West line EAST	County LEA
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Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
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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.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Mark Stephens 10/21/10
Signature Date

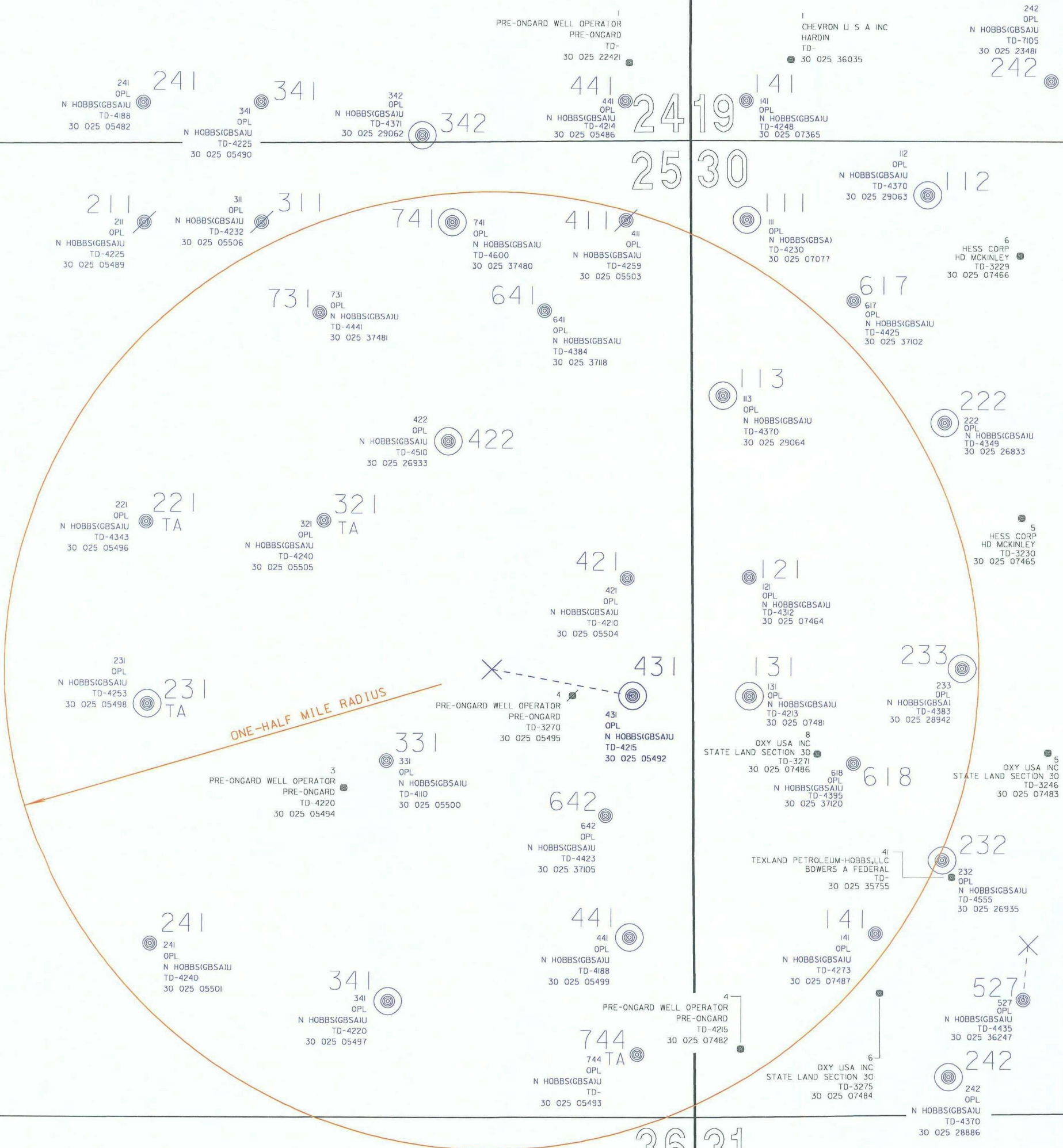
Mark Stephens
Printed Name

SURVEYOR CERTIFICATION

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.

15079
OCTOBER 4, 2010
Date of Survey
Signature and Seal of Professional Surveyor
Terry J. Paul 10/8/2010
Certificate Number 15079

WO# 101004WL (KA)



T18S-R37E

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



OXY Occidental Permian Ltd.

Area of Review Plat
**NORTH HOBBS (GRAYBURG
SAN ANDRES) UNIT**
WELL NO. 25-431
T-18-S, R-37-E
Lea County, New Mexico

Scale: 1" = 600' 12-1-2010 NORTH_HOBBS_API.dgn
Plat prepared by BWB
For Horizon Survey, Inc.

Exhibit 1.0 – Area of Review Data

Active Wells (includes SI and TxA'd wells) – 22:

Section 30, T-18-S, R-37-E

North Hobbs G/SA Unit No. 113 (30-025-29064)
North Hobbs G/SA Unit No. 121 (30-025-07464)
North Hobbs G/SA Unit No. 131 (30-025-07481)
North Hobbs G/SA Unit No. 141 (30-025-07487)
North Hobbs G/SA Unit No. 232 (30-025-26935)
North Hobbs G/SA Unit No. 233 (30-025-28942)
North Hobbs G/SA Unit No. 618 (30-025-37120)
State Land Section 30 No. 8 (30-025-07486)

Section 25, T-18-S, R-37-E

North Hobbs G/SA Unit No. 221 (30-025-05496)
North Hobbs G/SA Unit No. 231 (30-025-05498)
North Hobbs G/SA Unit No. 241 (30-025-05501)
North Hobbs G/SA Unit No. 321 (30-025-05505)
North Hobbs G/SA Unit No. 331 (30-025-05500)
North Hobbs G/SA Unit No. 341 (30-025-05497)
North Hobbs G/SA Unit No. 421 (30-025-05504)
North Hobbs G/SA Unit No. 422 (30-025-26933)
North Hobbs G/SA Unit No. 441 (30-025-05499)
North Hobbs G/SA Unit No. 641 (30-025-37118)
North Hobbs G/SA Unit No. 642 (30-025-37105)
North Hobbs G/SA Unit No. 731 (30-025-37481)
North Hobbs G/SA Unit No. 741 (30-025-37480)
North Hobbs G/SA Unit No. 744 (30-025-05493)

Plugged and Abandoned Wells – 4:

North Hobbs G/SA Unit No. 411 (30-025-05503) – Sec. 25, T-18-S, R-37-E
N.M. State “A” No. 3 (30-025-05494) – Sec. 25, T-18-S, R-37-E
N.M. State “A” No. 4 (30-025-05495) – Sec. 25, T-18-S, R-37-E
State Land Sec. 30 No. 4 (30-025-07482)) – Sec. 30, T-18-S, R-38-E

*Documentation for these 4 wells is attached

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 5-27-2004

FILE IN TRIPLICATE

OIL CONSERVATION DIVISION

DISTRICT I
1625 N French Dr, Hobbs, NM 88240

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

DISTRICT II
1301 W Grand Ave, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

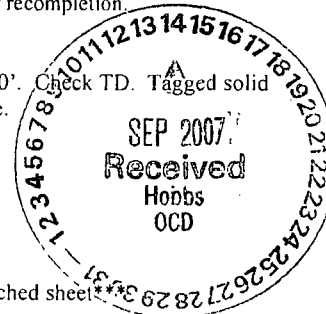
WELL API NO 30-025-05503
5 Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6 State Oil & Gas Lease No
7 Lease Name or Unit Agreement Name North Hobbs (G/SA) Unit Section 25
8 Well No 411
9 OGRID No 157984
10 Pool name or Wildcat Hobbs (G/SA)

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 Occidental Permian Ltd.	
3 Address of Operator HCR 1 Box 90 Denver City, TX 79323	
4 Well Location Unit Letter A 330 Feet From The North 330 Feet From The East Line Section 25 Township 18-S Range 37-E NMPM Lea County	
11 Elevation (Show whether DF, RKB, RT GR, etc) 3660' GL	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/> Pit Type _____ Depth of Ground Water _____ 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:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG & ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/> Multiple Completion <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
OTHER: _____ <input type="checkbox"/>	OTHER: _____ <input type="checkbox"/>

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

1 RUPU ND wellhead/NU BOP.
2. POOH w/RBP set @1250'.
3. RU wireline. Verify top depth of liner @2869'. Dump bail 8 sacks of cement on top of existing cement @3910'. Check TD. Tagged solid @3868'. Dump bail 2 sacks of cement on top of existing cement @3854'. (Estimated TOC @3843' RD wireline.
4. RIH w/CIBP set @1250'.
5. ND BOP/NU wellhead.
6. RDPU. Decision made to PA wellbore. PA procedure approved by Gary Wink at the NMOCDD.
7. RUPU & RU NU BOP/ND wellhead.
8. RIH w/bit & drill collars. Tag CIBP @1250'. RU power swivel & drill out CIBP @1413'. RD power swivel.
9. RIH w/bit. Tag PBTB @3833'. Pull bit to 3754'. POOH w/bit & drill collars.



see additional data on attached sheet

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 NMOCDD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Mendy A. Johnson TITLE Administrative Associate DATE 09/10/2007
TYPE OR PRINT NAME Mendy A. Johnson E-mail address: mendy_johnson@oxv.com TELEPHONE NO 806-592-6280

For State Use Only
APPROVED BY Gary W. Wink TITLE CC FIELD REPRESENTATIVE TO STAFF MANAGER DATE SEP 17 2007
CONDITIONS OF APPROVAL IF ANY _____

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

NHU 25-411

10. RU wireline. Run in collar & log from 3000' up to surface. Shoot 6 squeeze holes in 6-5/8" casing @2700'. RD wireline.
11. RIH w/open ended tubing to 2753'. RU HES & spot cement @2753'. Pumped 30 sxs premium plus w/.4 CFR 3. POOH w/tubing. RD HES.
12. RIH w/open ended tubing. Tag cement plug @2597'. RU HES & spot 10.5 sxs of cement @1901'. Estimated TOC @1794'. POOH w/tubing. RD HES.
13. RU wireline & perforate 6-5/8" casing @270'. (Buddy Hill w/NMOCD changed depth of squeeze from 200' to 270') RD wireline.
14. ND BOP/NU wellhead flange.
15. RU HES & pump cement down 6-5/8" casing. Circulate cement to surface out of 12.5" casing. (339 sxs). RD HES.
16. RDPU & RU.
17. Cut off wellhead & install labeled well marker. Remove anchors & clean location.

Verbal agreement was obtained from the District Supervisor to change the procedure in step #3 of the Notice of Intention C-103.

RUPU 06/22/07 RDPU 06/27/07

RUPU 08/14/07 RDPU 08/20/07

TOS 1900'

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

FILE IN TRIPLICATE

OIL CONSERVATION DIVISION

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

2040 Pacheco St.
Santa Fe, NM 87505

DISTRICT II
811 S 1st Street, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

WELL API NO. 30-025-05503	
5 Indicate Type of Lease FED <input type="checkbox"/> 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.	411
9 Pool name or Wildcat	HOBBS (G/SA)

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 Oxy Permian LTD.	
3. Address of Operator 1017 W. Stanolind Rd., HOBBS, NM 88240 505/397-8200	
4. Well Location Unit Letter <u>A</u> : <u>330</u> Feet From The <u>NORTH</u> Line and <u>330</u> Feet From The <u>EAST</u> Line Section <u>25</u> Township <u>18S</u> Range <u>37E</u> NMPM LEA County	
10. Elevation (Show whether DF, RKB, RT GR, etc.) 3660 GL	

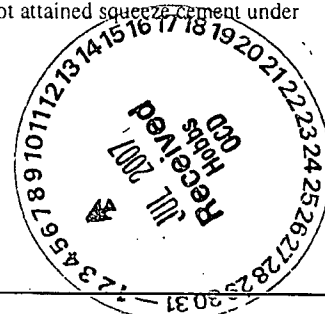
11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	PLUG & ABANDONMENT <input type="checkbox"/>
	OTHER: <input type="checkbox"/>

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

- DO CIBP at 1250.
- Verify cement PBTD at 3843.
- Perforate 6-1/4 casing at 2700 and squeeze cement under cement retainer, cap retainer with cement.
- Perforate 6-1/4 casing at 200 and attempt to establish circulation to surface, circulate cement. If circulation not attained squeeze cement under cement retainer and fill 6-1/4 casing to surface with cement.
- Cut off wellhead and install labeled well marker.
- Clean up location, remove anchors.

SPOT 160 PLUG F/1900'-1800' TOS

THE OIL CONSERVATION DIVISION MUST
BE NOTIFIED 24 HOURS PRIOR TO THE
BEGINNING OF PLUGGING OPERATIONS.



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

SIGNATURE	<u>D. Nelson</u>	TITLE	<u>PROD ENGR</u>	DATE	<u>7/3/07</u>
TYPE OR PRINT NAME	<u>D. NELSON</u>	TELEPHONE NO	<u>505/397-8200</u>		

(This space for State Use)

APPROVED BY	<u>Harry W. Wink</u>	TITLE	<u>OC FIELD REPRESENTATIVE II/STAFF MANAGER</u>	DATE	
CONDITIONS OF APPROVAL IF ANY.					

JUL 06 2007

WELL SCHEMATIC - NHU 25-411 (API 30-025-05503)
330 FNL & 330 FEL, Sec 25, T-18-S, R-37-E Unit Ltr A

SPUD: 8/30

Datum: 3660' GL

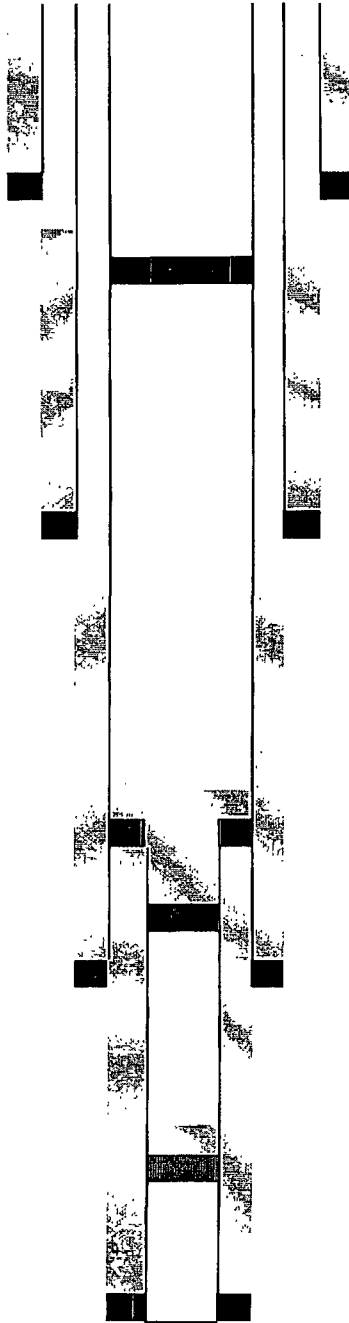
12-1/2" @ 220'
200 sxs
TOC= Surf (Circ)

8-1/4" @ 2750'
600 sxs
TOC= 1067' (Calc)

TOL @ 3869

6-1/4" @ 3969'
200 sxs
TOC= 2926' (CBL)

4-1/2" Lnr
3869 - 4257'
50 sxs
TOC= TOL (CBL)



11/06-
CIBP @ 1250'

6/07- Capped CIBP with cement to 3843

5/75- Deepen well to 4259 ran liner, Pumped
50 sxs and ran TS. Sqz'd liner top with 40 sxs

CIBP @ 3930 + 20' cmt

Open Perfs-
3954-64, 4001-8, 24-27, 78, 80-84,
86-4101, 6, 8, 29-32, 38-44

CIBP @ 4160 + 10' cmt

Open Perfs-
4180, 84, 91, 4203, 6, 10, 19, 23, 33

TD 4259

MAR 20 1947

DUPLICATE MISCELLANEOUS REPORTS ON WELLS

HOBBS OFFICE

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut-off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	<input checked="" type="checkbox"/>		

Midland, Texas

March 18, 1947

Place

Date

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO.

Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the

Humble Oil & Refining Co. N.M. State "A" Well No. 3 in the
Company or Operator Lease
3/2 of Sec. 25, T. 18-S, R. 37-E, N. M. P. M.,
Hobbs Field, Lee County.

The dates of this work were as follows: March 13-18, 1947

Notice of intention to do the work was (~~submitted~~) submitted on Form C-102 on February 25 1947
and approval of the proposed plan was (~~submitted~~) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Pulled 2½" tubing, ran Gamma Ray survey, and ran tubing to bottom of hole. Circulated hole with mud and plugged back from 4220' to 4000' with 100 sacks of cement. Pulled tubing and shot 7" casing at 1600', 1300', and 1200'. Pulled 34 joints of 7" casing and cemented hole from 1000' to 800' with 50 sacks of cement. Laid down 34 joints of 9-5/8" casing and plugged well from 190' to 160' with 25 sacks of cement. Put 25 sa plug at surface and installed regulation manlyer.

Witnessed by _____ Name _____ Company _____ Title _____

Subscribed and sworn before me this _____

18th day of March, 1947

Willie Mae Ferguson Notary Public

My commission expires 6-1-47

I hereby swear or affirm that the information given above is true and correct.

Name [Signature]

Position Asst. Division Superintendent

Representing Humble Oil & Refining Co.
Company or Operator

Address Box 1600 - Midland, Texas

Remarks:

APPROVED
MAR 20 1947
Date: _____

Ray. Garbary
Oil & Gas Inspector
Name
Title

Humble
Staet A "3"
Section 25-18s-37e

API Number: 30025 05494
P&A: 3/18/47
Datum:

Casing Size: 12 1/2"
Depth: 207
Sxs cmt: 250

Casing Size: 9 5/8"
Depth: 2823
Sxs cmt: 650

Casing Size: 7"
Depth: 4116
Sxs cmt: 350

TD: 4220



Cmt Plug: Surface 25 sx

Cmt Plug 190-160 25 sx

Cut and pulled 34 jts of 7" casing at 1000'
Cut and pulled 34 jts of 9 5/8" casing at 1000'

Cmt Plug 1000-800 50 sx

Cmt Plug 4220-4000 100 sx

FORMATION RECORD

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

AUG 26 1948
HOBBS

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	X		

August 24, 1948

Midland, Texas

Date

Place

OIL CONSERVATION COMMISSION,
SANTA FE, NEW MEXICO.

Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the
Humble Oil & Refining Co. **N. M. State "A"** Well No. **4** in the

NE/4 of SE/4 of Sec. **25**, T. **18-S**, R. **37-E**, N. M. P. M.,
Bowers Field, **Lea** County.

The dates of this work were as follows:

August 22, 1948

Notice of intention to do the work was ~~xxxx~~ (was not) submitted on Form C-102 on **August 21,** 19 **48**
and approval of the proposed plan was ~~xxxx~~ (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Spotted 15 sacks of regular cement at bottom of hole. Pulled tubing up and spotted a plug of 40 sacks regular cement from 1500' to 1800'. Pulled tubing and plugged hole from 100' to surface with 25 sacks of regular cement. Regulation marker was installed.

Witnessed by _____ Name _____ Company _____ Title _____

Subscribed and sworn before me this _____

I hereby swear or affirm that the information given above is true and correct.

24th day of **August**, 19 **48**

Name **[Signature]**
Position **Division Superintendent**

[Signature]
Notary Public

Representing **Humble Oil & Refining Company**

ALMA D. ROBERTS
6-1449

Company or Operator
Box 1600, Midland, Texas

My commission expires _____

Address _____

Remarks:

APPROVED

AUG 26 1948

Date _____

[Signature]
Name
OIL & GAS INSPECTOR
Title

**Humble
NM State A #4
Section 25-18s-37e**

API Number: 30025 05495

P&A: 8/22/48

Datum:

Casing Size: 8 5/8"

Depth: 252

Sxs cmt: 150

Cmt Plug: 0-100 25 sx

Casing Size: 5 1/2"

Depth: 3189

Sxs cmt: 1325

Cmt Plug 1500-1800 40 sx

TD: 4270

Cmt Plug 4240 25 sx

DUPLICATE



30-023-01482 (6)

Form C-103
(Revised 3-55)

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

COMPANY THE OHIO OIL COMPANY Box 2107 Hobbs, New Mexico
(Address)

LEASE State Land Sec.30 WELL NO. 4 UNIT M S 30 T 18S R 38E
DATE WORK PERFORMED 1/14 to 1/25/57 POOL Hobbs - Byers

This is a Report of: (Check appropriate block) ☐ Results of Test of Casing Shut-off
☐ Beginning Drilling Operations ☐ Remedial Work
☒ Plugging ☐ Other _____

Detailed account of work done, nature and quantity of materials used and results obtained.

4215' TD, 3914' PB: 16" @ 260' with 225 sx, 9-5/8" @ 2750' with 500 sx, 7" @ 3946' with 350 sx. Cast iron bridge plug @ 3940' with 26' cement plug from 3940-14; 7" csg perfs opposite Byers gas section from 3758-3850'.
Plugged and abandoned well as follows:
Loaded hole with Jel base mud, spotted 312' cement plug from 3602-3914', cut 7" csg @ 3060' & pulled same. Set 9-5/8" cast iron cement retainer in 9-5/8" casing at 2703' & squeezed 50 sx cement below same, following cement with bridging ball; max. P 1400#, min. P. 1200#. Spotted 125' cement plug on top of retainer from 2703' to 2578'. Perf 9-5/8" casing with 4 - 1/2" holes @ 255'. Mixed 300 sx cement & circ. cement to surface 9-5/8" x 16" casing annulus leaving 255' cement plug in top of 9-5/8" casing & 16" surface pipe. Installed permanent well marker.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. _____ TD _____ PBD _____ Prod. Int. _____ Compl Date _____
Tbng. Dia _____ Tbng Depth _____ Oil String Dia _____ Oil String Depth _____
Perf Interval (s) _____
Open Hole Interval _____ Producing Formation (s) _____

RESULTS OF WORKOVER:

	BEFORE	AFTER
Date of Test	_____	_____
Oil Production, bbls. per day	_____	_____
Gas Production, Mcf per day	_____	_____
Water Production, bbls. per day	_____	_____
Gas-Oil Ratio, cu. ft. per bbl.	_____	_____
Gas Well Potential, Mcf per day	_____	_____
Witnessed by	_____	_____

WELL SCHEMATIC:
MARATHON STATE #4

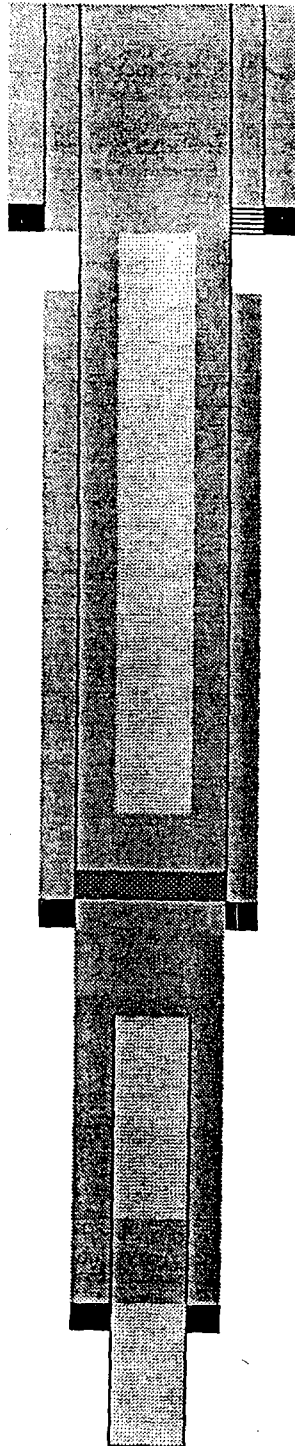
WELL PLUGGED:
3/14/57

16"
260'
225 SX
TOC: SURF (C)

9 5/8"
2750'
500 SX
TOC: NA

7"
3946'
350 SX
TOC: NA

TD: 4215'



Perfd 9 5/8" csg at 255'. Circ
300 sx cmt to surf 9 5/8" x
16" csg annulus leaving 255'
Cmt plug in top of 9 5/8" csg
And 16" surf pipe.

Hole loaded with gel based
Mud.

Spotted 125' cmt plug from
2703' to 2578'.
Set cast iron cmt ret in 9 5/8"
Csg at 2703' and sqzd 50 sx
Cmt below cmt ret.

Cut 7" csg at 3060' and
Pulled same.

Spotted 312' cmt plug from
3602' to 3914'.

07482

6

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS(Submit to appropriate District Office ^{1957 FEB} per Commission Rule 1106)COMPANY THE OHIO OIL COMPANY Box 2107 Hobbs, New Mexico
(Address)LEASE State Land Sec.30 WELL NO. 4 UNIT M S 30 T 18S R 38EDATE WORK PERFORMED 1/14 to 1/25/57 POOL Hobbs - Byers

This is a Report of: (Check appropriate block)

☐ Results of Test of Casing Shut-off

☐ Beginning Drilling Operations ☐ Remedial Work

☒ Plugging ☐ Other

Detailed account of work done, nature and quantity of materials used and results obtained.

4215' TD, 3914' PB: 16" @ 260' with 225 sx, 9-5/8" @ 2750' with 500 sx, 7" @ 3946' with 350 sx. Cast iron bridge plug @ 3940' with 26' cement plug from 3940-14; 7" csg perfs opposite Byers gas section from 3758-3850'.

Plugged and abandoned well as follows:

Loaded hole with Jel base mud, spotted 312' cement plug from 3602-3914', cut 7" csg @ 3060' & pulled same. Set 9-5/8" cast iron cement retainer in 9-5/8" casing at 2703' & squeezed 50 sx cement below same, following cement with bridging ball; max. P 1400#, min. P. 1200#. Spotted 125' cement plug on top of retainer from 2703' to 2578'. Perf 9-5/8" casing with 4 - 1/2" holes @ 255'. Mixed 300 sx cement & circ. cement to surface 9-5/8" x 16" casing annulus leaving 255' cement plug in top of 9-5/8" casing & 16" surface pipe. Installed permanent well marker.

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

Original Well Data:

DF Elev. _____ TD _____ PBD _____ Prod. Int. _____ Compl Date _____

Tbng. Dia _____ Tbng Depth _____ Oil String Dia _____ Oil String Depth _____

Perf Interval (s) _____

Open Hole Interval _____ Producing Formation (s) _____

RESULTS OF WORKOVER:

BEFORE

AFTER

Date of Test

Oil Production, bbls. per day

Gas Production, Mcf per day

Water Production, bbls. per day

Gas-Oil Ratio, cu. ft. per bbl.

Gas Well Potential, Mcf per day

Witnessed by

WELL SCHEMATIC:
MARATHON STATE #4

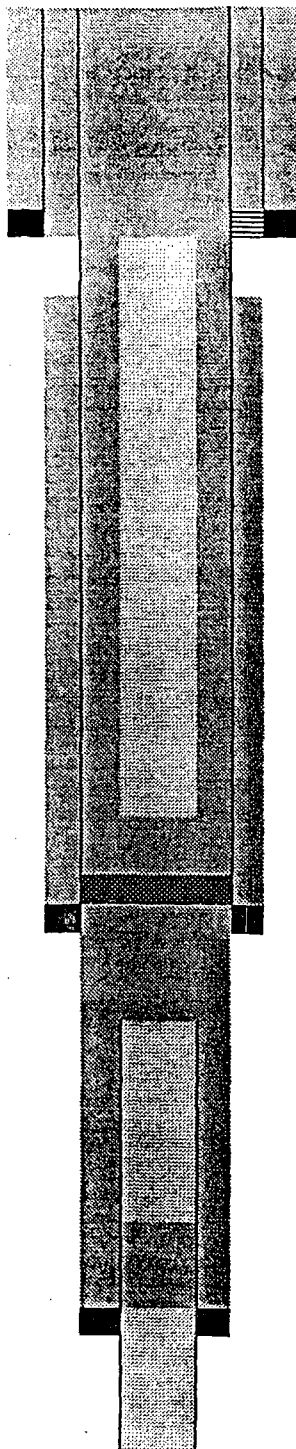
WELL PLUGGED:
3/14/57

16"
260'
225 SX
TOC: SURF (C)

9 5/8"
2750'
500 SX
TOC: NA

7"
3946'
350 SX
TOC: NA

TD: 4215'



Perfd 9 5/8" csg at 255'. Circ
300 sx cmt to surf 9 5/8" x
16" csg annulus leaving 255'
Cmt plug in top of 9 5/8" csg
And 16" surf pipe.

Hole loaded with gel based
Mud.

Spotted 125' cmt plug from
2703' to 2578'.
Set cast iron cmt ret in 9 5/8"
Csg at 2703' and sqzd 50 sx
Cmt below cmt ret.

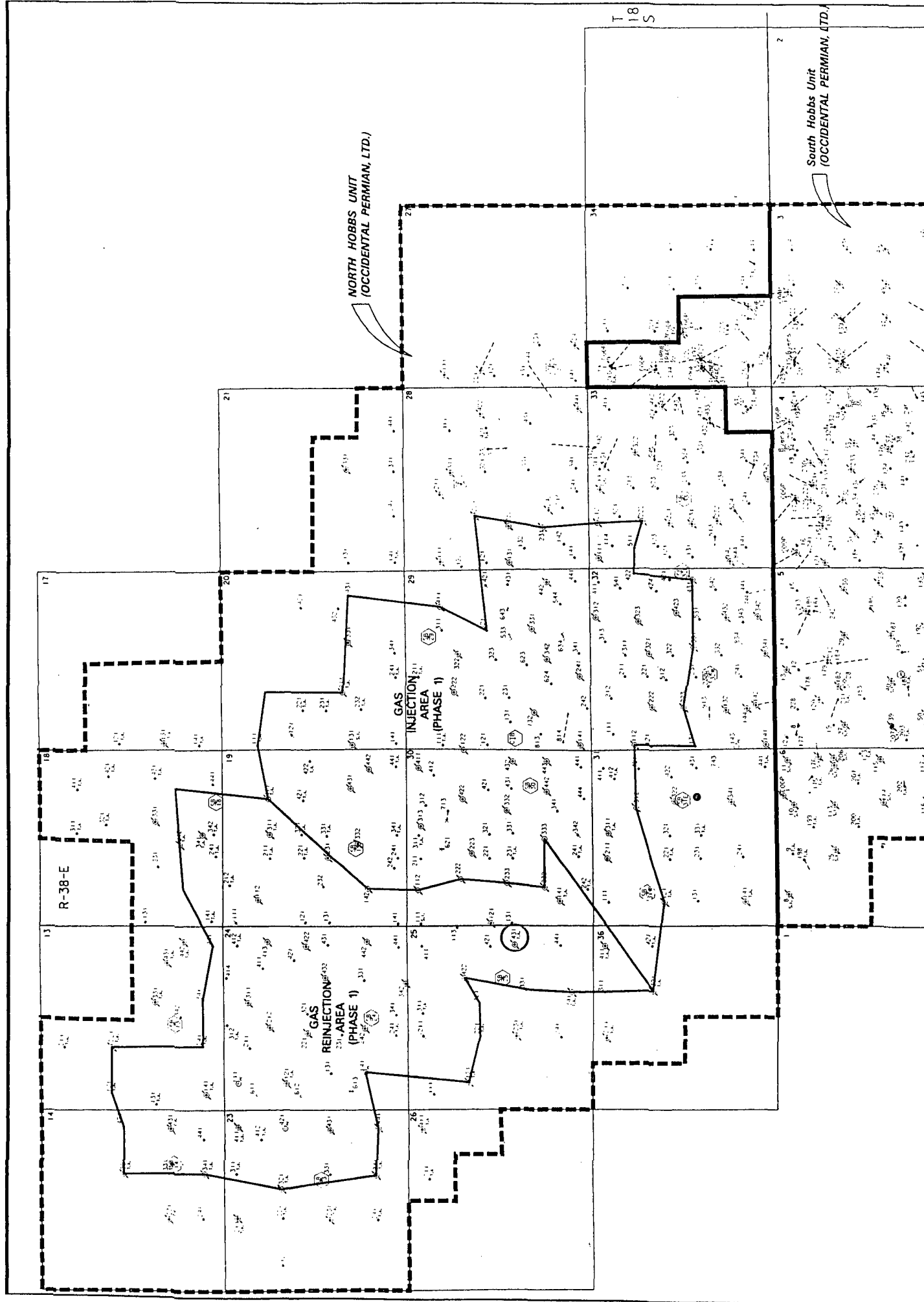
Cut 7" csg at 3060' and
Pulled same.

Spotted 312' cmt plug from
3602' to 3914'.

07482

6

Exhibit 2.0 - Showing the location of Well No. 431 in the Phase 1 Gas Reinjection Area



LIST OF OFFSET OPERATORS & SURFACE OWNERS

North Hobbs (Grayburg/San Andres) Unit

Well No. 431

API No. 30-025-05492

2310' FSL & 330' FEL, UL I, Sec. 25, T-18-S, R-37-E (SHL)

2451' FSL & 1097' FEL, UL I, Sec. 25, T-18-S, R-37-E (PBHL)

Lea County, NM

Offset Operators

Occidental Permian Limited Partnership

P.O. Box 4294

Houston, TX 77210-4294

OXY USA INC.

P.O. Box 4294

Houston, TX 77210-4294

Conoco Phillips

505 N. Big Spring #600

Midland, TX 79701-4396

Surface Owners

State of New Mexico

Commissioner of Public Lands

P.O. Box 1148

Santa Fe, NM 87504-1148

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>		<p>A. Received by (Please Print Clearly) B. Date of Delivery</p>	
<p>1. Article Addressed to:</p> <p>ConocoPhillips 505 N. Big Spring #600 Midland, TX 79701-4396</p>		<p>C. Signature</p> <p>X <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>	
		<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes</p> <p>If YES, enter delivery address below: <input type="checkbox"/> No</p>	
		<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail</p> <p><input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>	
<p>2. Article Number</p> <p>(Transfer from service label) 7007 0710 0002 7572 5952</p>		<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	

PS Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>		<p>A. Received by (Please Print Clearly) B. Date of Delivery</p>	
<p>1. Article Addressed to:</p> <p>State of New Mexico Commissioner of Public Lands P.O. Box 1148 Santa Fe, NM 87504-1148</p>		<p>C. Signature</p> <p>X <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>	
		<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes</p> <p>If YES, enter delivery address below: <input type="checkbox"/> No</p>	
		<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail</p> <p><input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>	
<p>2. Article Number</p> <p>(Transfer from service label) 7007 0710 0002 7572 5969</p>		<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>	

PS Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424

Affidavit of Publication

State of New Mexico,
County of Lea.

I, JUDY HANNA
PUBLISHER

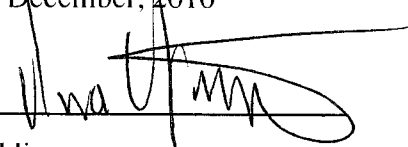
of the Hobbs News-Sun, a
newspaper published at Hobbs, New
Mexico, do solemnly swear that the
clipping attached hereto was
published in the regular and entire
issue of said newspaper, and not a
supplement thereof for a period

of 1 issue(s).

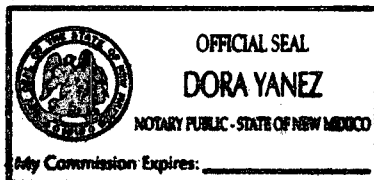
Beginning with the issue dated
December 01, 2010
and ending with the issue dated
December 01, 2010


PUBLISHER

Sworn and subscribed to before me
this 29th day of
December, 2010


Notary Public

My commission expires
February 09, 2013
(Seal)



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	LEGAL
LEGAL NOTICE DECEMBER 1, 2010	
Notice is hereby given of the application of Occidental Permian Limited Partnership, Attn: Mark Stephens, P.O. Box 4294, Rm 20.099, 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 well for the purpose of tertiary recovery:	
Pool Name: Hobbs-Grayburg-San Andres Lease/Unit Name: North Hobbs G/SA Unit Well No. 431 (proposed sidetrack) Location: 2310' FSL & 330' FEL, Unit Letter I, Sec. 25, T-18-S, R-37-E (SHL) 2451' FSL & 1097' FEL, Unit Letter I, Sec. 25, T-18-S, R-37-E (PBHL)	
The injection formation is the Hobbs-Grayburg-San Andres Pool between the intervals of ± 3680 and $\pm 5300'$ below the surface of the ground. Expected maximum injection rate is 9000 B/D (water)/15,000 MCF/D (CO ₂ & produced gas); and the expected maximum injection pressure is approximately 1100 psi (water)/1250 psi (CO ₂)/1770 psi (CO ₂ & produced gas). Interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 S. St Francis Dr., Santa Fe NM 87504 (505/476-3440) within fifteen (15) days. #26223	

02101173 00063969
MARK STEPHENS-RM.22.099
OCCIDENTAL PERMIAN LIMITED
PARTNERSHIP
P. O. BOX 4294 RM. 20.009, GRWY 5
HOUSTON, TX 77210-4294