

DATE IN 12/10/12	SUSPENSE	ENGINEER WJD	LOGGED IN	TYPE PMX 266	APP NO. PWT 1301051125
---------------------	----------	-----------------	-----------	--------------------	---------------------------

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

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



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.

David Catanach
 Print or Type Name

Signature

Date

David Catanach
12/10/12

Agent-Occidental Permian Ltd.
 Title

drcatanach@netscape.com
 E-Mail Address

Occidental Permian LTD
 NAGSA UNIT # 945
 30-025-40839
 SW: H/19/185/38E/LEA

December 10, 2012

Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Attention: Ms. Jami Bailey, CPG
Division Director

Re: Form C-108
North Hobbs G/SA Unit No. 945 (API No. 30-025-40859)
Surface Location: 2361' FNL & 1064' FEL (H), Section 19, T-18S, R-38E
Bottomhole Location: 1201' FSL & 1167' FEL (P), Section 19, T-18S, R-38E
Lea County, New Mexico

Dear Ms. Bailey,

By Order No. R-6199-B dated 10/22/2001, the Division authorized Occidental Permian Ltd. ("Occidental") to institute a CO2 tertiary recovery project within a portion of the North Hobbs Grayburg San Andres Unit ("Unit") by the injection of water, CO2 and produced gas into the Grayburg and San Andres formations, Hobbs Grayburg-San Andres Pool. The area within the Unit designated for tertiary recovery operations was defined by this order and designated the "Phase I Area" (see attached map).

By this application, Occidental is seeking authority to inject water, CO2 and produced gas within the North Hobbs G/SA Unit Well No. 945 which is to be drilled in January, 2013. Approval of the application will allow Occidental to complete an efficient injection/production pattern within the Phase I Area.

I believe that all the information necessary to approve the application is enclosed. If additional information is needed, please contact me at (505) 690-9453.

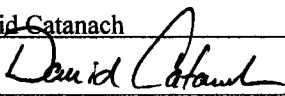
Sincerely,



David Catanach-Agent
Occidental Permian Ltd.
P.O. Box 4294
Houston, Texas 77210

Xc: OCD-Hobbs

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. (157984) _____
ADDRESS: _____ P.O. Box 4294, Houston, Texas 77210 _____
CONTACT PARTY: _____ David Catanach _____ PHONE: (505) 690-9453
- 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 dated 10/22/2001.
- 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: _____ David Catanach _____ TITLE: Agent for Occidental Permian, Ltd. _____
SIGNATURE: _____  _____ DATE: 12/10/12
- E-MAIL ADDRESS: drcatanach@netscape.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: OCD Hearing in Case No. 12722 presented on 9/6/2001.
- 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.

C-108 Application
Occidental Permian Ltd.
North Hobbs G/SA Unit Well No. 945
Section 19, T-18S, R-38E, NMPM
Lea County, New Mexico

- I. The purpose of the application is to request approval to inject water, CO₂ and produced gas within the North Hobbs G/SA Unit Well No. 945 which is to be drilled as a new injection well in January, 2013 within the Phase I Area of the North Hobbs Grayburg San Andres Unit Tertiary Recovery Project:

North Hobbs G/SA Unit No. 945 (API No. 30-025-40859)

Surface Location: 2361' FNL & 1064' FEL (Unit H) Section 19, T-18S, R-38E

Bottomhole Location: 1201' FSL & 1167' FEL (Unit P) Section 19, T-18S, R-38E

- II. Occidental Permian Ltd. (157984)
P.O. Box 4294
Houston, Texas 77210
Contact Party: David Catanach-Agent (505) 690-9453
- III. Injection well data sheet/wellbore schematic diagram is attached.
- IV. This is an expansion of the North Hobbs Grayburg San Andres Unit Tertiary Recovery Project approved by Division Order No. R-6199-B dated 10/22/2001.
- V. A map showing all wells/leases within a 2-mile radius of the North Hobbs G/SA Unit Well No. 945 is attached. Also attached is a more detailed map showing the ½-mile Area of Review ("AOR") for the North Hobbs G/SA Unit Well No. 945.
- VI. Most of the AOR well data relative to this well was presented to the Division in Case No. 12722 on September 6, 2001 or in subsequent administrative applications. The attached AOR well list shows: i) a list of wells that were presented in Case No. 12722 or in subsequent administrative applications. Since well construction data was previously submitted for these wells, it is not presented in this application; ii) a list of wells and well construction data for those wells that were drilled subsequent to 2001; and iii) a list of wells and plugging schematics for AOR wells that were presented in Case No. 12722, but have since been plugged. This well data indicates that all subsequently drilled wells and all subsequently plugged wells within the AOR are constructed and/or plugged so as to preclude migration of fluid from the proposed injection interval.
- VII. 1. The Average Injection Rate: N/A.
The maximum injection rate is anticipated to be approximately 9,000 BWPD/15,000 MCFGPD*. (* In accordance with Order No. R-6199-B)
2. This will be a closed system.

3. The Average Surface Injection Pressure: N/A
Maximum Surface Injection Pressures:
Produced Water: 1100 psi **
CO2: 1250 psi **
CO2 / Produced Gas: 1770 psi **
<will not exceed 2400 psi bottomhole pressure>
(** In accordance with Order No. R-6199-B)
 4. Source Water: San Andres Produced Water.
(Mitchell Analytical Laboratory analysis attached)
 5. Injection is to occur into the Grayburg and San Andres formations, Hobbs
Grayburg-San Andres Pool.
- VIII. Extensive Grayburg-San Andres geologic data and extensive information regarding underground sources of drinking water has previously been presented to the Division.
- IX. Acid treatment of injection interval may be performed subsequent to completion of drilling operations (approximately 2000 gal. of 15% HCL).
- X. Logs will be filed subsequent to completion of drilling operations
- XI. Attached is a water analysis from a fresh water well located in Section 19, T-18 South, Range 38 East.
- XII. Affirmative statement is attached.
- XIII. Proof of notice is attached.

District I
625 N. French Dr., Hobbs, NM 88240
District II
301 W. Grand Avenue, Artesia, NM 88210
District III
000 Rio Brazos Rd.: Aztec, NM 87410
District IV
220 S. St. Francis Dr., Santa Fe, NM 87505

Energy, Minerals & Natural Resources
HOBBS OCD

June 16, 2008

Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505
NOV 08 2012

Submit to appropriate District Office

☒ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPE
PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Occidental Permian Ltd. P.O. Box 4294, Houston, TX 77210-4294		² OGRID Number 157984
⁴ Property Code 19520	³ Property Name North Hobbs G/SA Unit	⁶ Well No. 945
⁹ Proposed Pool 1 Hobbs; Grayburg - San Andres		¹⁰ Proposed Pool 2

Surface Location

UL or lot no	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
H	19	18-S	38-E		2361	North	1064	East	Lea

Proposed 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
P	19	18-S	38-E		1201	South	1167	East	Lea

Additional Well Location

¹¹ Work Type Code New Well	¹² Well Type Code I	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3581.1'
¹⁶ Multiple No	¹⁷ Proposed Depth 4500' TVD/5000' TMD	¹⁸ Formation San Andres	¹⁹ Contractor Savanna 413	²⁰ Spud Date January, 2013

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4	9-5/8	36	1600	630	Surface
8-3/4	7	26	5000	770	Surface

² Describe the proposed program. If this application is to DEEPEEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

**Permit Expires 2 Years From Approval
Date Unless Drilling Underway**

See Attached

²¹ I hereby certify that the information given above is true and complete to the best of my knowledge and belief

Signature: Mark Stephens

Printed name: Mark Stephens

Title: Regulatory Compliance Analyst

E-mail Address: Mark.Stephens@oxy.com

Date: 11/7/12

Phone: (713) 366-5158

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval Attached ☐

NOV 14 2012

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-9720
District III
1000 Rio Brazos Road, Artesia, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87503
Phone: (505) 476-3460 Fax: (505) 476-3462

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

HOBBS OCD

Form C-102

Revised August 1, 2011

NOV 02 2012

Submit one copy to appropriate

District Office

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-40859		Pool Code 31920	Pool Name Hobbs; Grayburg-San Andres
Property Code 19520	Property Name NORTH HOBBS G/SA UNIT		Well Number 945
OGRID No. 157984	Operator Name OCCIDENTAL PERMIAN LTD.		Elevation 3581.1'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	19	18 SOUTH	38 EAST, N.M.P.M.		2361'	NORTH	1064'	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
P	19	18 SOUTH	38 EAST, N.M.P.M.		1201'	SOUTH	1167'	EAST	LEA
Dedicated Acres 40	Joint or Infill I	Consolidation Code	Order No.						

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>SURFACE LOCATION NEW MEXICO EAST NAD 1927 Y=832523.0 X=853867.8 LAT.: N 32.7336154° LONG.: W 103.1822553°</p> <p>BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 Y=830785.4 X=853885.9 LAT.: N 32.7288698° LONG.: W 103.1825828°</p> <p>GRID AB = 185°43' 1729.6'</p>	<p>OPERATOR CERTIFICATION</p> <p>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 undivided 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.</p> <p><i>Mark Stephens</i> 10/30/12 Signature Date</p> <p>Mark Stephens Printed Name Mark Stephens@oxy.com E-mail Address</p>
	<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of a legal survey made by me or under my supervision and that the same is true and correct to the best of my belief.</p> <p>TERRY JASE 15079 SEPTEMBER 24, 2012 Date of Survey</p> <p><i>Terry J. Jase</i> 10/4/2012 Signature Certificate Number</p> <p>15079</p>

WO# 120924WL (KA)

ECG 11-13-2012

NOV 14 2012

Occidental Permian Ltd.

API: 30-025-40859

North Hobbs G/SA Unit

Lea. County

Well No. 945

Surface Hole Location:

Footage Location: 2361' FNL & 1064' FEL

Township: 18-S

Range: 38-E

Section 19 Unit Letter: H

Bottom Hole Location

Footage Location: 1201' FSL & 1167' FEL

Township: 18-S

Range: 38-E

Section 19 Unit Letter: P

14" @ 40'
Cemented w/ 4 yds Redimix
TOC: surf. (circulated)

Hole Size: 12 1/4"
9 5/8" @ 1600'
Cemented w/ 630 sx
TOC: surf. (circulated)

Hole Size: 8 3/4"
7" @ 5000'
Cemented w/ 770 sx.
TOC: surface (circulated)

Total Depth: 4500' TVD/ 5000' MD

Injector Interval: 4,200 feet to 5,000 feet

Completion type: Perforated casing

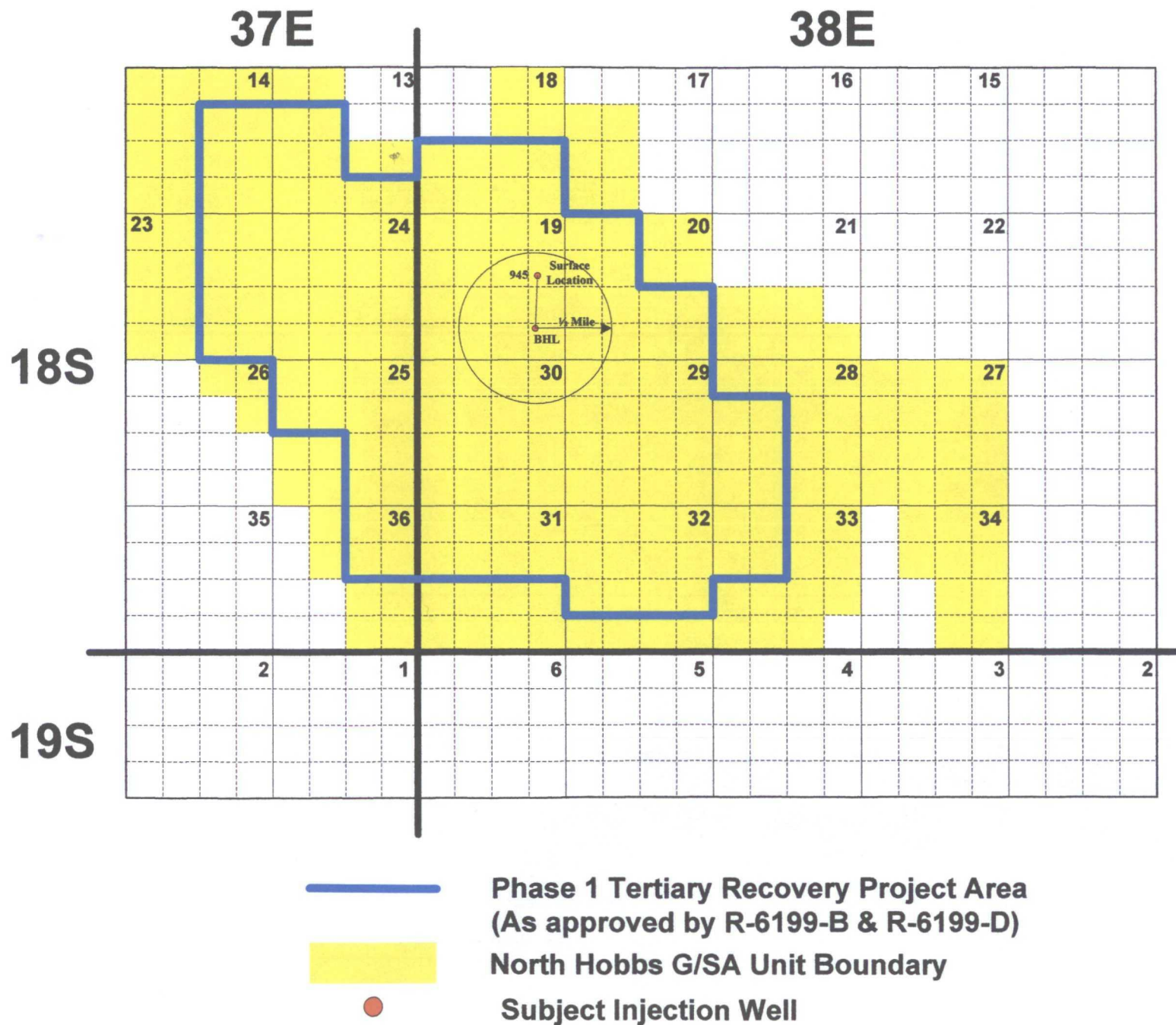
Tubing size: 2 7/8" lined with Duoline set in a Guiberson Uni VI pkr. @ within 100 ft. ft of top perf.

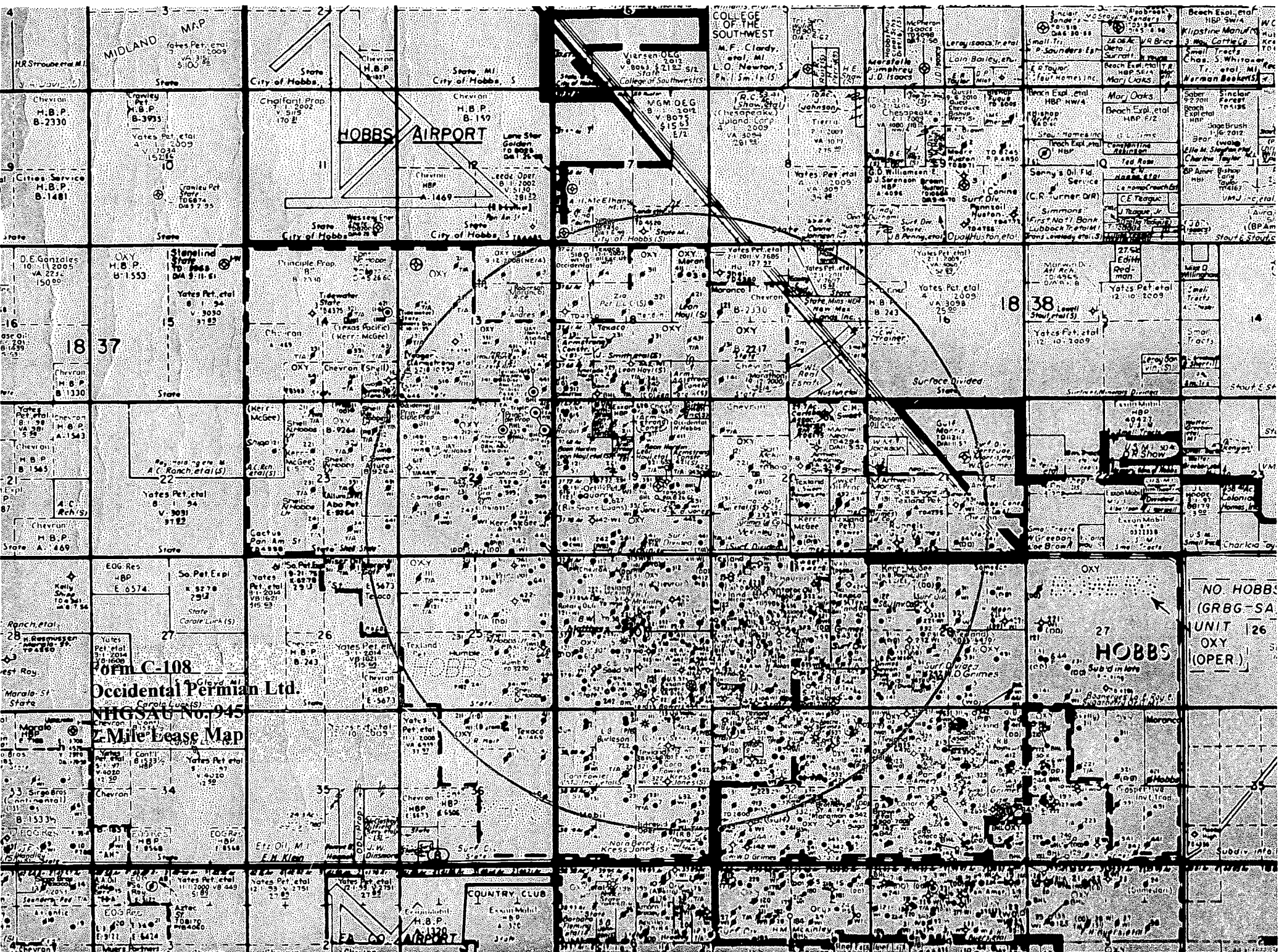
Other Data:

1. Name of the injection formation: **San Andres**
2. Name of field or pool: **Hobbs; Grayburg-San Andres (31920)**
3. Is this a new well drilled for injector? If no, for what purpose was well originally drilled? **YES**
4. Has the well ever been perforated in any other zone(s)? **None.**
List all such perforated intervals and give plugging details (sacks of cmt. or bridge plug(s) used)
5. Give the depth to and name of any overlying and/or underlying oil and gas zones (pools) in this area.
Bowers (Queen), +/- 3290'; Glorieta, +/- 5405'

Occidental Permian Ltd.

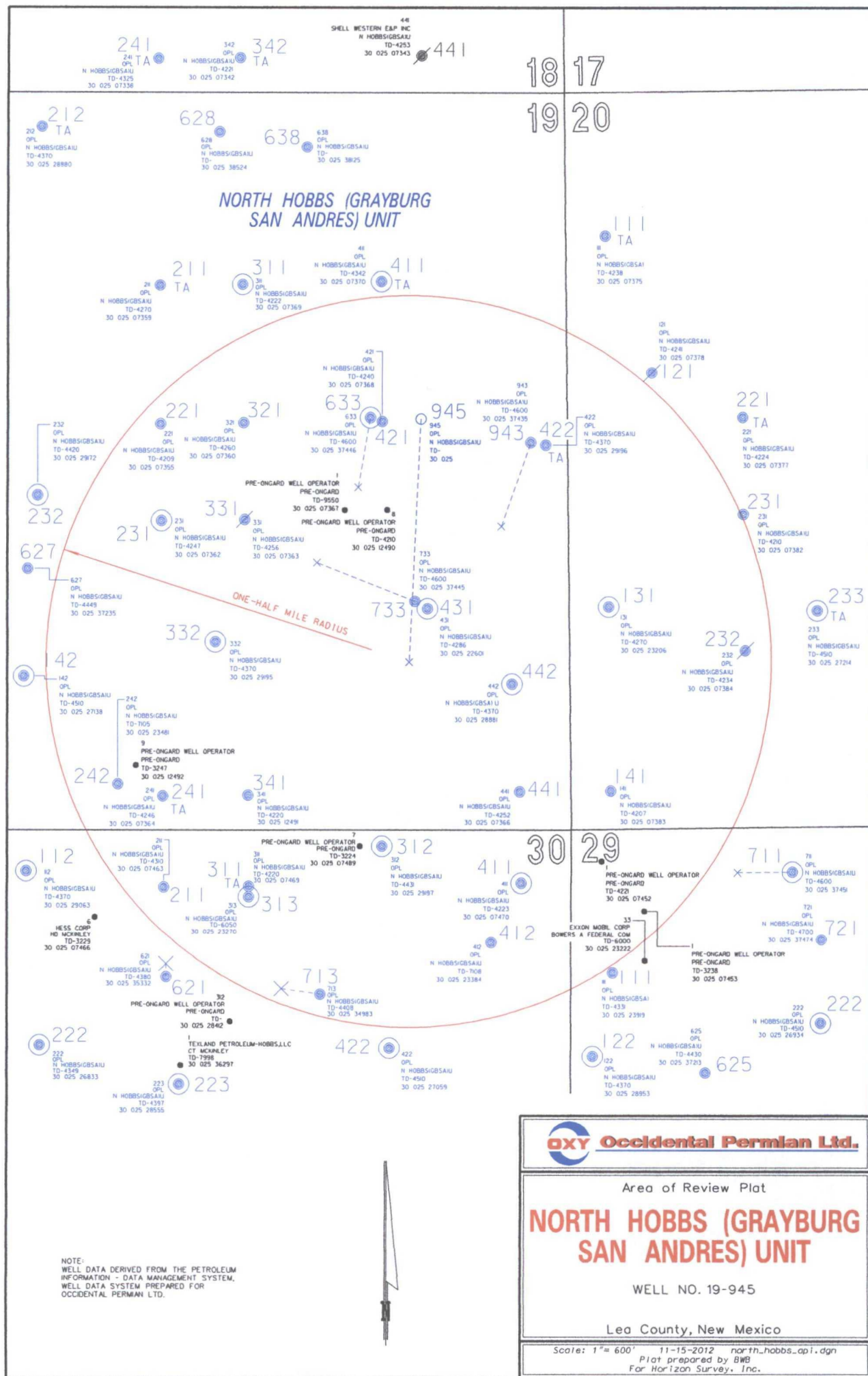
Form C-108 Application: North Hobbs G/SA Unit Well No. 945





Form C-108
Occidental Petroleum Ltd.
NHGSA No. 945
2-Mile Lease Map

NO HOBBS
(GRBG-SA
UNIT 126
OXY
(OPER)



OCCIDENTAL PERMIAN LTD.
FORM C-108: UPDATED AREA OF REVIEW WELL LIST
NORTH HOBBS G/SA UNIT NO. 945

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHF.	RNG.	DATE DRILLED	TOTAL DEPTH	HOLE SIZE	CSG. SIZE	SET AT	SX. CMT.	CMT. TOP	MTD.	HOLE SIZE	CSG. SIZE	SET AT	SX. CMT.	CMT. TOP	MTD.	COMPLETION	REMARKS
30-025-07382	Occidental Permian Ltd.	NHGS AU	231	P	Active	2310'	S	1320'	W	K	20	18S	38E																
30-025-29196	Occidental Permian Ltd.	NHGS AU	422	P	TA	2495'	N	119'	E	H	19	18S	38E																
30-025-07368	Occidental Permian Ltd.	NHGS AU	421	P	Active	2310'	N	1305'	E	H	19	18S	38E																
30-025-12490	Shell Oil Company	HD McKinley A	8	P	PA	2310'	S	1320'	E	I	19	18S	38E																
30-025-07367	Shell Oil Company	McKinley A-19	1	P	PA	2310'	S	1650'	E	J	19	18S	38E																
30-025-07360	Occidental Permian Ltd.	NHGS AU	321	P	Active	2310'	N	2310'	E	G	19	18S	38E																
30-025-07355	Occidental Permian Ltd.	NHGS AU	221	P	Active	2310'	N	2310'	W	F	19	18S	38E																
30-025-07362	Occidental Permian Ltd.	NHGS AU	231	I	Active	2310'	S	2310'	W	K	19	18S	38E																
30-025-29195	Occidental Permian Ltd.	NHGS AU	332	I	Active	1430'	S	2535'	E	J	19	18S	38E																
30-025-23481	Occidental Permian Ltd.	NHGS AU	242	P	Active	420'	S	1980'	W	N	19	18S	38E																
30-025-07364	Occidental Permian Ltd.	NHGS AU	241	P	TA	330'	S	2310'	W	N	19	18S	38E																
30-025-12491	Occidental Permian Ltd.	NHGS AU	341	P	Active	330'	S	2310'	E	O	19	18S	38E																
30-025-28881	Occidental Permian Ltd.	NHGS AU	442	I	Active	1100'	S	380'	E	P	19	18S	38E																
30-025-07366	Occidental Permian Ltd.	NHGS AU	441	P	Active	330'	S	330'	E	P	19	18S	38E																
30-025-23206	Occidental Permian Ltd.	NHGS AU	131	I	Active	1650'	S	330'	W	L	20	18S	38E																
30-025-07383	Occidental Permian Ltd.	NHGS AU	141	P	Active	330'	S	330'	W	M	20	18S	38E																
30-025-07463	Occidental Permian Ltd.	NHGS AU	211	P	Active	330'	N	2310'	W	C	30	18S	38E																
30-025-23270	Occidental Permian Ltd.	NHGS AU	313	I	Active	405'	N	2272'	E	B	30	18S	38E																
30-025-07469	Occidental Permian Ltd.	NHGS AU	311	P	TA	330'	N	2310'	E	B	30	18S	38E																
30-025-07489	Getty Oil Company	H D McKinley	7	P	PA	330'	N	1650'	E	B	30	18S	38E																
30-025-29197	Occidental Permian Ltd.	NHGS AU	312	I	Active	530'	N	1448'	E	B	30	18S	38E																
30-025-34983	Occidental Permian Ltd.	NHGS AU	713	P	Active	1196'	N	1823'	E	B	30	18S	38E																
30-025-07470	Occidental Permian Ltd.	NHGS AU	411	I	Active	330'	N	330'	E	A	30	18S	38E																
30-025-23384	Occidental Permian Ltd.	NHGS AU	412	P	Active	760'	N	550'	E	A	30	18S	38E																
30-025-07452	Humble Oil & Refining	Bowers A Federal	1	P	PA	330'	N	330'	W	D	29	18S	38E																
30-025-07453	Exxon Corporation	Bowers AB Fed	1	P	PA	660'	N	660'	W	D	29	18S	38E																
30-025-12492	Shell Oil Company	McKinley A	9	P	PA	660'	S	1980'	W	N	19	18S	38E																
30-025-37435	Occidental Permian Ltd.	NHGS AU	943	P	Active	2470'	N	225'	E	H	19	18S	38E	Sep-05	4,458'	26"	16"	40'	100	Surface	Circ.	12 1/4"	8 5/8"	1,508'	648	Surface	Circ.	4,262'-4,397' Perf.	5 1/2" csg. stage cemented. 1st-250 sx.
						BHL 3115'	N	453'	E	I	19	18S	38E									7 7/8"	5 1/2"	4,458'	950	Surface	Circ.		2nd-700 sx. DV Tool @ 3,507'
30-025-37446	Occidental Permian Ltd.	NHGS AU	633	I	Active	2290'	N	1410'	E	G	19	18S	38E	Oct-05	4,488'	26"	16"	40'	100	Surface	Circ.	12 1/4"	8 5/8"	1,514'	750	Surface	Circ.	4,364'-4,397' Perf.	5 1/2" csg. stage cemented. 1st-300 sx.
						BHL 2844'	N	1495'	E	J	19	18S	38E									7 7/8"	5 1/2"	4,485'	1000	Surface	Circ.		2nd-700 sx. DV Tool @ 3,498'
30-025-37445	Occidental Permian Ltd.	NHGS AU	733	P	Active	1690'	S	1080'	E	I	19	18S	38E	Nov-05	4,520'	26"	16"	40'	100	Surface	Circ.	12 1/4"	8 5/8"	1,550'	750	Surface	Circ.	4,315'-4,484' Perf.	5 1/2" csg. stage cemented. 1st-250 sx.
						BHL 2001'	S	1865'	E	J	19	18S	38E									7 7/8"	5 1/2"	4,520'	800	Surface	Circ.		2nd-550 sx. DV Tool @ 3,528'
30-025-07363	Occidental Permian Ltd.	NHGS AU	331	P	PA	2310'	S	2310'	E	J	19	18S	38E	Sep-30	4,256'	15"	12 1/2"	253'	200	Surface	Calc.	11 5/8"	9 5/8"	2,750'	600	359'	Calc.	4,033'-4,252' Perf.	PA'd 7/2006. Schematic Attached
																9"	7"	3,975'	225	2,784'	Calc.	6 3/4"	5 1/2"	3,923'-4,255'	100	Liner Top	Calc.		Hole sizes assumed
30-025-22601	Occidental Permian Ltd.	NHGS AU	431	I	PA	1650'	S	990'	E	I	19	18S	38E	Jun-68	4,286'	12 1/4"	7 5/8"	277'	200	Surface	Circ.	7 7/8"	4 1/2"	4,285'	435	2,537'	Well File	4,151'-4,266' Perf.	PA'd 8/2012. Schematic Attached
30-025-07384	Occidental Permian Ltd.	NHGS AU	232	P	PA	1325'	S	1325'	W	K	20	18S	38E	Jun-33	4,330'	18"	15 1/2"	243'	150	Surface	Circ.	12"	9 5/8"	1,615'	75	1,400'	Well File	4,158'-4,252' Perf.	PA'd 11/2003. Schematic Attached
																8 3/4"	7"	4,089'	250	2,600'	File	6 3/4"	5"	3,843'-4,329'	55	Liner Top	Calc.		Hole sizes assumed

Well construction data and/or plugging diagrams for wells in this section was previously submitted to the NMOCD in Case No. 12722 heard on September 6, 2001, or in subsequent administrative applications. NMOCD required no remedial work on these wells.

**Occidental Permian Ltd. Partnership
North Hobbs G/SA Unit No. 331
API No. 30-025-07363
2310' FSL & 2310' FEL, Unit J
Section 19, T-18S, R-38E
Type Well: Producer**

15" Hole; 12 1/2" csg. set @ 253'
Cemented w/200 sx.
TOC @ surface by calc.

**Date Drilled: 9/30
Date PA'd: 7/06**

TOC @ 359' by calc.

11 5/8" Hole; 9 5/8" csg set @ 2,750'
Cemented w/600 Sx.
TOC @ 359' by calc.

Perforate 7" csg. @ 2,728'. Pump 800 sx.
cmt. down 7" csg. & out 7"/9 5/8" annulus.
Circulate cement to surface. Tag cement 6'
from surface.

TOC @ 2,784' by calculation

CIBP @ 3,950 w/cmt. on top.
Tagged TOC @ 3,925'

9" Hole; 7" csg. set @ 3,975'
Cemented w/225 Sx. TOC @ 2,784' by calc.

Perforations: 4,033'-4,252'

6 3/4" Hole; 5 1/2" Liner set 3,923'-4,255'
Cemented w/100 Sx. TOC @ Liner top

T.D. 4,256'

**Form C-108
Occidental Permian Ltd.
NHGSAU No. 945
PA Diagram-NHGSAU 331**

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. 30-025-07363
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 331
9. OGRID Number 157984
10. Pool name or Wildcat Hobbs: Grayburg - San Andres

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 _____

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 Limited Partnership
3. Address of Operator P.O. Box 4294, Houston, TX 77210-4294	4. Well Location Unit Letter <u>J</u> <u>2310</u> feet from the <u>South</u> line and <u>2310</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>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3661' DF	

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 checked="" type="checkbox"/> CASING TEST AND CEMENT JOB <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.

permitted as to plugging of the Well Bore.
Ability under bond is retained until
surface restoration is completed. 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 8/31/06
Type or print name Mark Stephens E-mail address: Mark_Stephens@oxy.com Telephone No. (713) 366-5158

For State Use Only

APPROVED BY Larry W. Wink FIELD REPRESENTATIVE II/STAFF MANAGER DATE SEP 06 2006
Conditions of Approval, if any:

7/5/06 - 7/8/06:

MI x RU. NU BOP. RIH with 4-3/4" bit x 5-1/2" casing scraper on 2-7/8" tubing. Tag TOC at 3925' (CIBP set at 3950'). Run pressure test (held 500 psi x 30 min.). RU WL and perf 7" casing at 2728' (4 holes). RD WL. TIH with 2700' of 2-7/8" tubing. ND BOP x NU blind flange on top of wellhead. RU HES and pump 800 sx. PP cement down 7" casing and out 7"/9-5/8" annulus. Circulate cement to surface. Open well and tag cement at 6' from surface. Run pressure test and chart for the NMOCD. RD x MO.

7/14/06:

Cut off wellhead x cap well with marker plate. Remove caliche x haul in topsoil. Cut off anchors below plow depth.

Form C-108
Occidental Permian Ltd.
NHGS AU 945
PA Diagram-NHGS AU 431

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
June 19, 2008

HOBBS OCD

SEP 25 2012

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

WELL API NO.

30-025-22601

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

431

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 ☒ WIW

2. Name of Operator

Occidental Permian Ltd.

3. Address of Operator

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

4. Well Location

Unit Letter I : 1650 feet from the South line and 990 feet from the East line

Section 19 Township 18-S Range 38-E NMPM County Lea

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

3663' DF

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

NOTICE TO:

PERFORATION AND ABANDON ☐
TEMPORARILY PLUGGING ☐
WELL OR ALTER Casing ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☒
CASING/CEMENT JOB ☐

OTHER: ☐

OTHER: ☐

13. Describe proposed or completed operation. (Include all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1. Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

See Attached

Spud Date:

Rig Release Date:

8/29/12

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

SIGNATURE Mark Stephens TITLE Regulatory Compliance Analyst DATE 9/24/12

Mark.Stephens@oxy.com

Type or print name Mark Stephens

E-mail address: Mark.Stephens@oxy.com PHONE (713) 366-5158

For State Use Only

APPROVED BY [Signature] TITLE Dist. MGR DATE 9-26-2012

Conditions of Approval (if any):

SEP 26 2012

North Hobbs G/SA Unit No. 431
API No. 30-025-22601
Lea Co., NM

Subject well plugged and abandoned as follows -

8/27/12 - 8/29/12:

MI x RU pulling unit. Dig out cellar x remove wellhead. Unseat 4-1/2" injection packer. POOH with 2-7/8" tubing x on/off tool, but did not retrieve packer (Mark Whitaker of the NMOCD OK'd leaving the packer in the hole). Set 4-1/2" CIBP at 4072'. Circulate well with MLF x pressure test to 750 psi. Spot 25 sx. Cl. C from 4072' - 3704'. Spot 30 sx. Cl. C from 2716' - 2274' x tag at 2326'. Spot 50 sx. Cl. C from 1905' - 1168' x tag at 1140'. Perforate at 327'. Get pump rate of 1.5 BPM at 200 psi with no circulation to surface (notify Mark Whitaker and received approval to spot cement). Squeeze 35 sx. Cl. C from 327' to surface (visually confirmed). RD x MO x clean location.

Occidental Permian Ltd.
North Hobbs G/SA Unit No. 232
API No. 30-025-07384
1325' FSL & 1325' FWL, Unit K
Section 20, T-18S, R-38E
Type Well: Producer

Perforate 7" csg. @
 60'. Pump 75 sx. cmt.
 down 7" csg. & up
 annulus.

18" Hole; 15 1/2" csg. set @ 243'
 Cemented w/150 sx.
 Cement circulated to surface

Perforate 7" csg. @ 300'. Squeezed w/110
 Sx. cmt. No circulation. Tagged @ 159'

Date Drilled: 6/33
Date PA'd: 11/03

TOC @ 1,400'

12" Hole; 9 5/8" csg set @ 1,615'
 Cemented w/75 Sx.
 TOC @ 1,400' (Well File)

Perforate 7" csg. @ 1,665'.
 Set 25 sx. cmt. plug 1,388'-1,695' (Tagged)

Perforate 7" csg. @ 2,440'. Set 25 sx. cmt.
 plug 2,280'-2,490' (Tagged)

TOC @ 2,600'

CIBP @ 3,957'. Set 35 Sx. cmt. 3,725'-3,957'
 Tagged @ 3,725'

8 3/4" Hole; 7" csg. set @ 4,089'
 Cemented w/250 Sx. TOC @ 2,600' (Well File)

Perforations: 4,158'-4,252'

6 3/4" Hole; 5" Liner set 3,843'-4,329'
 Cemented w/55 Sx. TOC @ Liner top

T.D. 4,330'

Form C-108
Occidental Permian Ltd.
NHGS AU 945
PA Diagram-NHGS AU 232

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

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

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

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO. 30-025-07384
Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE
State Oil & Gas Lease No.
Lease Name or Unit Agreement Name North Hobbs (G/Sa) Unit
Well No. 232
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.)	
Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	
Name of Operator Occidental Permian, LTD	
Address of Operator 1017 Stanoliad Rd. Hobbs New Mexico 88240	
Well Location Unit Letter <u>K</u> : <u>1325</u> Feet From The <u>South</u> Line and <u>1325</u> Feet From The <u>West</u> Line Section <u>20</u> Township <u>18 S</u> Range <u>38 E</u> NMPM <u>Lea</u> County	
Elevation (Show whether DF, RKB, RT, GR, etc.) 3656' GR	

11

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ANBANDONMENT ☒
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

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.

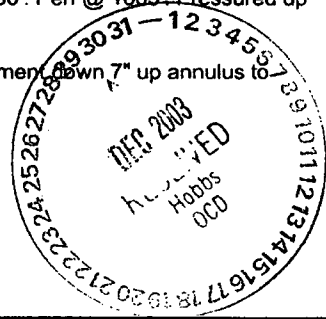
11/25/03 Tagged existing CIBP @ 3957'. Spot 35 sks of cement @ 3957'. Tagged @ 3725'. Circ. well w/ plugging mud.

11/26/03 Perf @ 2440'. Pressured up on perms to 1000 psi. Spot 25 sks of cement @ 2490'. Tagged @ 2280'. Perf @ 1665'. Pressured up on perms to 1000 psi. Spot 25 sks of cement @ 1695'. Tagged @ 1388'

11/27/03 Perf @ 300' Squeezed 110 sks of cement, no circ. Tagged @ 159' Perf @ 60' Circ. 75 sks of cement down 7" up annulus to surface. Close in under 550 psi pressure.

Cut off wellhead and anchors 3' BGL. Capped well. Installed dry hole marker.

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



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

SIGNATURE Robert Gilbert TITLE SR Enge Tech DATE 12-24-03
TYPE OR PRINT NAME ROBERT GILBERT TELEPHONE NO. 397-8206

(This space for State Use)

APPROVED BY May W. Wink OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE JAN 02 2004
CONDITIONS OF APPROVAL, IF ANY:

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 (H ₂ S)		137.00	16.00	8.56
Carbon Dioxide (CO ₂)	NOT ANALYZED			
Dissolved Oxygen (O ₂)	NOT ANALYZED			

Cations

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

Hydroxyl (OH-)	.00	17.00	.00
Carbonate (CO ₃ =)	.00	30.00	.00
BiCarbonate (HCO ₃ -)	2,028.52	61.10	33.20
Sulfate (SO ₄ =)	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 CaCO ₃	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

Form C-108
Occidental Permian Ltd.
NHGSAU-945
Produced Water Analysis



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

Form C-108

Occidental Permian Ltd.

NHGS AU 945

Fresh Water Analysis

Form C-108
Affirmative Statement
Occidental Permian Ltd.
North Hobbs G/SA Unit Well No. 945
Section 19, T-18 South, R-38 East, NMPM,
Lea County, New Mexico

Available geologic and engineering data has been examined and no evidence of open faults or hydrological connection between the injection zone and any underground sources of drinking water has been found.



David Catanach
Agent-Occidental Permian Ltd.

12/10/12

Date

Form C-108
Occidental Permian, Ltd.
North Hobbs G/SA Unit Well No. 945
Section 19, T-18S, R-38E
Lea County, New Mexico-

Legal notice will be published in the:

*Hobbs News Sun
201 N. Thorp
Hobbs, New Mexico 88240*

A copy of the legal advertisement will be forwarded to the Division upon publication.

Occidental Permian, Ltd. P.O. Box 4294, Houston, Texas 77210 has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division seeking administrative approval to utilize its proposed North Hobbs G/SA Unit Well No. 945 located at a surface location 2361' FNL & 1064' FEL (Unit H) and a bottomhole location 1201' FSL & 1167' FEL (Unit P), both in Section 19, Township 18 South, Range 38 East, NMPM, Lea County, New Mexico, as an injection well within the North Hobbs Grayburg San Andres Unit Tertiary Recovery Project. Injection will occur into the Grayburg/San Andres formation through the perforated interval from approximately 4,200 feet to 5,000 feet.

Produced water from the Hobbs Grayburg-San Andres Pool, CO2 and produced gas will be injected into the well at a maximum rate of 9,000 barrels of water per day and 15,000 MCF gas per day. The maximum surface injection pressure is anticipated to be 1100 psi for water injection, 1250 psi for CO2 injection and 1770 psi for produced gas injection.

Interested parties must file objections with the New Mexico Oil Conservation Division, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505, within 15 days of the date of this publication.

Additional information can be obtained by contacting Mr. David Catanach, Agent-Occidental Permian, Ltd. at (505) 690-9453.

Affidavit of Publication

State of New Mexico.

County of Lea.

I, JUDY HANNA

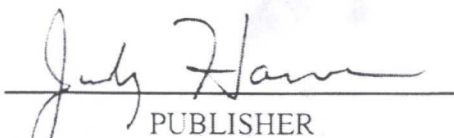
PUBLISHER

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 08, 2012

and ending with the issue dated
December 08, 2012


PUBLISHER

Sworn and subscribed to before me
this 10th day of
December, 2012

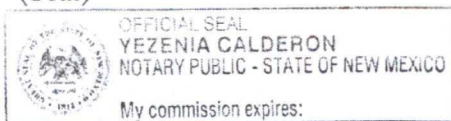


Notary Public

My commission expires

February 28, 2016

(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 8, 2012

Occidental Permian, Ltd. P.O. Box 4294, Houston, Texas 77210 has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division seeking administrative approval to utilize its proposed North Hobbs G/SA Unit Well No. 945 located at a surface location 2361' FNL & 1064' FEL (Unit H) and a bottomhole location 1201' FSL & 1167' FEL (Unit P), both in Section 19, Township 18 South, Range 38 East, NMPM, Lea County, New Mexico, as an injection well within the North Hobbs Grayburg San Andres Unit Tertiary Recovery Project. Injection will occur into the Grayburg/San Andres formation through the perforated interval from approximately 4,200 feet to 5,000 feet.

Produced water from the Hobbs Grayburg-San Andres Pool, CO2 and produced gas will be injected into the well at a maximum rate of 9,000 barrels of water per day and 15,000 MCF gas per day. The maximum surface injection pressure is anticipated to be 1100 psi for water injection, 1250 psi for CO2 injection and 1770 psi for produced gas injection.

Interested parties must file objections with the New Mexico Oil Conservation Division, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505, within 15 days of the date of this publication.

Additional information can be obtained by contacting Mr. David Catanach, Agent-Occidental Permian, Ltd. at (505) 690-9453.
#27755

67109591

00105730

DAVID CATANACH
REGULATORY CONSULTANT
1142 VUELTA DE LAS ACEQUIAS
SANTA FE, NM 87507

Occidental Permian, Ltd.
Form C-108:
North Hobbs G/SA Unit Well No. 945
Section 19, T-18S, R-38E, NMPM,
Lea County, New Mexico
Notification List

All acreage within the ½ mile notice area for the North Hobbs G/SA Unit Well No. 945 is located within Occidental Permian Ltd's North Hobbs Grayburg San Andres Unit. Texland Petroleum-Hobbs, LLC is currently the only operator within the ½ mile notice area that operates wells that penetrate the Grayburg-San Andres formation. Consequently, notice of this application is being provided to the surface owner and to Texland Petroleum-Hobbs, LLC.

Offset Operator (S/2 NE/4 of Section 30-18S-38E)

Texland Petroleum-Hobbs, LLC
777 Main Street, Suite 3200
Fort Worth, Texas 76102

Surface Owner at North Hobbs G/SA Unit No. 945 Wellsite

Armstrong Industries, LLC
P.O. Box 2106
Roswell, New Mexico 88202

Additional Notice

Oil Conservation Division
1625 N. French Drive
Hobbs, New Mexico 88240

December 10, 2012

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

TO: Armstrong Industries, LLC Texland Petroleum-Hobbs, LLC
 P.O. Box 2106 777 Main Street, Suite 3200
 Roswell, New Mexico 88202 Fort Worth, Texas 76102

Re: Occidental Permian Ltd.
 Form C-108 (Application for Authorization to Inject)
 North Hobbs G/SA Unit Well No. 945
 Section 19, T-18S, R-38E, NMPM,
 Lea County, New Mexico

Dear Sir:

Enclosed please find a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for the Occidental Permian Ltd. ("Occidental") North Hobbs G/SA Unit Well No. 945 located at a surface location in Unit H, and a bottomhole location in Unit P of Section 19, both in Township 18 South, Range 38 East, NMPM, Lea County, New Mexico. Occidental is seeking authority to inject water, CO₂ and produced gas within this well in order to complete an efficient injection/production pattern within the North Hobbs Grayburg San Andres Unit Tertiary Recovery Project previously approved by Division Order No. R-6199-B.

You are being provided a copy of the application as an offset operator or the surface owner of the land on which the injection well is located.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

If you should have any questions, please contact me at (505) 690-9453.

Sincerely,



David Catanach-Agent
Occidental Permian Ltd.
P.O. Box 4294
Houston, Texas 77210

7012 0470 0001 5936 1679

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

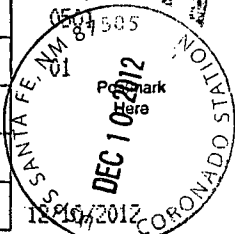
For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	\$1.70
Certified Fee		\$2.95
Return Receipt Fee (Endorsement Required)		\$2.35
Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	\$	\$7.00

Sent To: **Texland Petroleum-Hobbs, LLC**
 Street, Apt. No. or PO Box No. **777 Main Street, Suite 3200**
 City, State, ZIP+4 **Fort Worth, Texas 76102**

PS Form 3800, August 2006 See Reverse for Instructions



7012 0470 0001 5936 1662

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

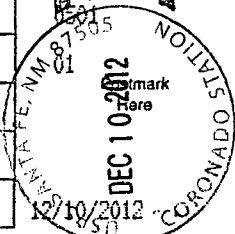
For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	\$1.70
Certified Fee		\$2.95
Return Receipt Fee (Endorsement Required)		\$2.35
Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	\$	\$7.00

Sent To: **Armstrong Industries, LLC**
 Street, Apt. No. or PO Box No. **P.O. Box 2106**
 City, State, ZIP+4 **Roswell, New Mexico 88202**

PS Form 3800, August 2006 See Reverse for Instructions



in 12/10/12

Injection Permit Checklist

First Email Date:

Final Reply Date:

Final Notice Date:

12/10/12

Issued Permit: Type: WFX/PMX/SWD, Number:

(266)

Permit Date

1/16/13

(Legacy Permit:)

R-0199-B(12022)

Wells 1 Well Name(s):

N H G / SA UNIT 945

API Num: 30-025-40859

Spud Date:

12/23/12

New/Old: N

(UIC CI II Primacy March 7, 1982)

Footages

SHL: 2361 FNL/1064 FEL

Lot

Unit

Sec

19

Tsp

18S

Rge

38E

County

LEA

BHL: 1201 FSL/1167 FEL

UNIT P

General Location or Pool Area:

HOBBS; GSA POOL (31920)

Operator:

OCCIDENTAL PERMIAN LTD

Contact

DAVID CATANACH, AGENT

OGRID:

157984

RULE 5.9 Compliance (Wells)

638

(Finan Assur)

OK

IS 5.9 OK?

OK

Well File Reviewed

Current Status:

drilled/cased (not completed)

Planned Work to Well:

Complete / PROJECT

Diagrams: Before Conversion

After Conversion

Are Elogs in Imaging?:

will be Filed

Well Details:

SIZES

Setting

Stage

Cement

Cement Top and

Hole.....Pipe

Depths

Tool

Sx or Ct

Determination Method

Planned ___ or Existing ___ Surface

12 1/4 - 9 5/8

1620'

1101350

CIRC

Planned ___ or Existing ___ Interm

(2736)

240/420100

CIRC/CIRC

Planned ___ or Existing ___ LongSt

8 3/4 - 7

5040' MD

(3475)

CIRC/CIRC

Surf.

Planned ___ or Existing ___ Liner

Planned ___ or Existing ___ OpenHole

Depths/Formations:

Depths, Ft.

Formation

Tops?

Above

4005 TMD

Basal GBG

✓

Above

4105 TMD

SA

✓

Proposed Interval TOP:

4200 MD

GBG

Max. PSI

Open Hole

Perfs

✓

Proposed Interval BOTTOM:

5000 MD

SA

Tubing Size

Packer Depth

width

Below

5400

GBG

✓

Below

Capitan Reef? (in thru)

Potash?

Noticed?

(WIPP?)

Noticed?

Salado Top

1635

Bot

2710

Cliff House?

Fresh Water:

Max Depth:

250'

FW Formation

Wells?

yes

Analysis?

Affirmative Statement

✓

Disposal Fluid: Formation Source(s)

SA RECYCLED WASTE

On Lease

Only from Operator

or Commercial

Disposal Interval:

Protectable Waters?

NO

H/C Potential:

Log

/Mudlog

/DST

/Tested

/Depleted

Other

PMX

Notice: Newspaper Post Date

12/8/12

Surface Owner

ARMSTRONG

N. Date

12/10/12

RULE 26.7(A) Identified Tracts?

Affected Persons:

TEXLond Pat. - Hobb

N. Date

12/10/12

AOR: Maps?

Well List?

Producing in Interval?

yes

Formerly Produced in Interval?

NO

Penetrating.....No. Active Wells

24

Num Repairs?

0

on which well(s)?

Penetrating.....No. P&Aed Wells

9

Num Repairs?

0

on which well(s)?

Diagrams?

✓

Permit Conditions:

OK per PG (8) of R-0199-B

Issues:

Issues:

Issues: