

Initial Application Part I

Received 4/29/21

This application is placed in file for record. It MAY or MAY NOT have been reviewed to be determined Administratively Complete



Occidental Permian LTD.

A subsidiary of Occidental Petroleum Corporation

5 Greenway Plaza, Suite 110, Houston, Texas 77046-0521
P.O. Box 27570, Houston, Texas 77227-7570
Phone 713.215.7000

April 21, 2021

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

RE: Pressure Maintenance Project
North Hobbs Unit
Well No. 311
API 30-025-07555
Letter B, Section 33, T-18S, R-38E
Lea County, NM

To Mr. Richard Ezeanyim, Chief Engineer:

Occidental Permian Ltd. respectfully request administrative approval, without hearing, to commence injection (water, CO₂, and produced gas) per the authorized Order No. R-6199-F. 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 with Wellbore Schematic
- Form C-102
- Map

*** Per Order No. R-6199-F, this application is eligible for administrative approval without notice or hearing ***

If you have any questions regarding this application, please contact me at 832-646-4450 or email Jose_Gago@oxy.com.

Sincerely,

Jose Gago
Regulatory Engineer

DATE IN 4/29/21	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO. pBL2111949987
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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



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 _____

PMX-301

[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.

Print or Type Name

Signature

Title

Date

e-mail Address

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance _____ Disposal _____ Storage
Application qualifies for administrative approval? _____ Yes _____ No
- II. OPERATOR: _____
ADDRESS: _____
CONTACT PARTY: _____ PHONE: _____
- 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: _____
- 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: _____ TITLE: _____
SIGNATURE: David L. Gogol DATE: _____
E-MAIL ADDRESS: _____
- * 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: _____

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 Attachment
Occidental Permian Ltd.
North Hobbs Unit No. 311
Lea County, New Mexico

- I. This is a pressure maintenance project. The project qualifies for administrative approval.
- II. OCCIDENTAL PERMIAN Ltd.
P.O. Box 4294 Houston, TX 77210-4294
Contact Party: Jose Gago, 832-646-4450
- III. Injection well data sheet and wellbore schematic has been attached for NORTH HOBBS UNIT NO. 311
- IV. This is an expansion of an existing project authorized under Order No. R-6199-F.
- V. The map with a two mile radius surrounding the injection well and a one half mile radius for area of review is attached.
- VI. In accordance to Order No. R-6199-F Section 4 OCCIDENTAL PERMIAN Ltd certifies that:
The area of review for well "NORTH HOBBS G/SA UNIT #311" (API: 30-25-07555) shows no substantive changes in the information furnished in support of Order No. R-6199-F concerning the status of construction of any well that penetrates the injection interval within the one-half (1/2) mile around the injection well, with the exemption of the wells below:

API	Well Name	Operator	Status after Jan 2014
30-025-07548	NORTH HOBBS G/SA UNIT 321	OCCIDENTAL PERMIAN LTD	P & A
30-025-07556	NORTH HOBBS G/SA UNIT 411	OCCIDENTAL PERMIAN LTD	P & A
30-025-23759	CONOCO STATE 001	OXY USA INC	P & A
30-025-28951	NORTH HOBBS G/SA UNIT 323	OCCIDENTAL PERMIAN LTD	P & A
30-025-34416	NORTH HOBBS G/SA UNIT 545	OCCIDENTAL PERMIAN LTD	P & A
30-025-41578	NORTH HOBBS G/SA UNIT 948	OCCIDENTAL PERMIAN LTD	New Well
30-025-41643	NORTH HOBBS G/SA UNIT 949	OCCIDENTAL PERMIAN LTD	New Well
30-025-44718	NORTH HOBBS G/SA UNIT 694	OCCIDENTAL PERMIAN LTD	New Well
30-025-44719	NORTH HOBBS G/SA UNIT 695	OCCIDENTAL PERMIAN LTD	New Well

The wellbore diagrams and tabulated well data is attached.

- VII. The area of review is attached.
 - 1. Average Injection Rate 4,000 BWPD / 15,000 MCFGPD
Maximum Injection Rate 9,000 BWPD / 20,000 MCFGPD
 - 2 This will be a closed system.
 - 3. Average Surface Injection Pressure 1,100 PSIG
Maximum Surface Injection Pressure
Produced Water 1,100 PSIG
CO2 1,250 PSIG
CO2 w/produced gas 1,770 PSIG
(In accordance with Order No. R-6199-G, effective 7/18/13)
 - 4. Source Water – San Andres Produced Water
(Analysis previously provided at hearing, Case No. 14981)
- VIII. The information was previously submitted as part of Order No. R-6199-F application

- IX. 15% HCL Acid stimulation using straddle packer assembly (PPI – tool) or salt rock as divertor. Approximately 0.5 to 1.5 bbls per net pay
- X. Logs were filed at the time of drilling.
- XI. Per our field personnel, no fresh water wells were found within 1 mile of this well.
- XII. N/A. This is a pressure maintenance project, not a disposal well.
- XIII. Section 3 of Order No. R-6199-F allows the administrative approval, from the Division Director, of additional injection wells without notice and hearing. Notices to producers and surface owners for the water/CO2 flood area were provided at the time of the application and hearing for Order No. R-6199-F.

INJECTION WELL DATA SHEET

OPERATOR: Occidental Permian LTD.WELL NAME & NUMBER: NORTH HOBBS G/SA UNIT #311

WELL LOCATION: <u>330' FNL & 2310' FEL</u>	<u>B</u>	<u>33</u>	<u>18S</u>	<u>38E</u>
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC**WELL CONSTRUCTION DATA**Surface CasingHole Size: 17-1/2" Casing Size: 13-3/8"Cemented with: 200 sx. **or** ft³Top of Cement: Surface Method Determined: CirculatedIntermediate CasingHole Size: 13" Casing Size: 9-5/8"Cemented with: 350 sx. **or** ft³Top of Cement: Surface Method Determined: CirculatedProduction CasingHole Size: 12-1/4" Casing Size: 7"Cemented with: 250 sx. **or** ft³Top of Cement: Surface Method Determined: CirculatedTotal Depth: 3930' MDInjection Interval

SEE NEXT PAGE

 feet to

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

OPERATOR: Occidental Permian LTD.

WELL NAME & NUMBER: NORTH HOBBS G/SA UNIT #311

WELL LOCATION:	330' FNL & 2310' FEL	B	33	18S	38E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. **or** _____ ft³

Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. **or** _____ ft³Top of Cement: _____ Method Determined: CalcProduction Casing LinerHole Size: 7-7/8" Casing Size: 5-1/2"Cemented with: 75 sx. **or** _____ ft³Top of Cement: Surface Method Determined: CirculatedTotal Depth: 4086' MDInjection Interval3900' feet to 4500' - OPEN HOLE

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEETTubing Size: 2 - 7/8" Lining Material: DuolineType of Packer: 5-1/2" x 2 3/8" 14-20# AS1-X Double Grip injection PackerPacker Setting Depth: 3850' MDOther Type of Tubing/Casing Seal (if applicable): Additional Data

1. Is this a new well drilled for injection? Yes X No

If no, for what purpose was the well originally drilled? Producer

2. Name of the Injection Formation: San Andres

3. Name of Field or Pool (if applicable): Hobbs; Grayburg - San Andres

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Byers (Queen) @ +/- 3680'

Glorieta @ +/- 5300'

WELLBORE DIAGRAM

(updated: 03/04/2021 CER)

Revision 0

WELL# NORTH HOBBS G/SA UNIT #3

API# 30-025-07555

Zone: San Andres

Spud: 7/7/1934

GL elev

3645'

NORTH HOBBS G/SA UNIT #311

CEMENT

DEVIATION SURVEYS

DEPTH

DEGREE

17-1/2" hole

13-3/8" 48# set at 351'

13" hole

9-5/8" 24, 32# set at 2746'

12-1/4" Hole

6-1/8" Hole

7" 24# set at 3930'

5-1/2" 15.5# set at

OH 4086' - 4221'

Surface Casing

Cement with 200 sx

CIRCULATED TO SURFACE

Remediated with 500 sxs from 13-3/8" bradenhead

Cement at surface

Intermediate Casing

Cement with 350 sx

Original TOC 1880' (Calc)

Remediated with 750 sx of cement

Circulate 70 sxs to surface

Production Casing

Cemented with 250 sx

Original TOC AT 2559' (Calc)

Remediated with 750 sx of cement

Circulate 50 sxs to surface

Production Liner

Cemented with 75 sx

TOC AT 2700' (Temp Survey)

Remediated with 70sx of cement

Circulate 20 sxs to surface

W. D. Grimes (East) No. 3

Repaired 5-1/2" and 7" casing leaks as follows:

1. Set bridge plug in base of 5-1/2" casing.
2. Using retrievable cementer found bottom leak in 5-1/2" casing between 3589' and 3775'. Top leak between 489' and 499'.
3. Ran cement retainer set at 3562'. Had circulation on 5-1/2", 7", and 9-5/8" casing. Displaced water with mud. Pumped approximately 750 sacks cement thru tubing. Circulated estimated 70 sacks out 9-5/8" casing then shut in. Circulated estimated 50 sacks out 7" casing then shut in and performed bradenhead squeeze. Tubing pressure 1250#. casing pressure 1000#. Displaced tubing with 9 barrels water. Pulled tubing. Connected to 13-3/8" bradenhead and cemented with 500 sacks. All casings and bradenheads shut in.
4. Waited on cement.
5. Ran bit to top cement at 683'. Pressured 5-1/2" casing. Would not hold 1000#. Drilled cement in 5-1/2" casing 25'. Pressured up on 5-1/2" casing. Found leak at 653' with circulation out 5-1/2" - 7" annulus.
6. Cemented 5-1/2" - 7" annulus with 70 sacks. Pumped 5-1/2" plug to 480'. Circulated approximately 20 sacks cement out of 5-1/2" - 7" annulus.
7. Waited on cement.
8. Tested 7" casing with 1000 psi for 30 minutes. No drop in pressure.
9. Drilled out cement and retainer.
10. Tested 5-1/2" casing with 1000 psi for 30 minutes. No drop in pressure.
11. Returned well to production.

WELLBORE DIAGRAM

(updated: 03/04/2021 CER)

Revision 0

WELL# NORTH HOBBS G/SA UNIT #3

API# 30-025-07555

Zone: San Andres

Spud: 7/7/1934

GL elev

3645'

NORTH HOBBS G/SA UNIT #311

CEMENT

DEVIATION SURVEYS

Surface Casing

Cement with 200 sx

CIRCULATED TO SURFACE

Remediated with 500 sxs from 13-3/8" bradenhead

Cement at surface

17-1/2" hole

13-3/8" 48# set at 351'

13" hole

9-5/8" 24, 32# set at 2746'

Intermediate Casing

Cement with 350 sx

Original TOC 1880' (Calc)

Remediated with 750 sx of cement

Circulate 70 sxs to surface

Production Casing

Cemented with 250 sx

Original TOC AT 2559' (Calc)

Remediated with 750 sx of cement

Circulate 50 sxs to surface

12-1/4" Hole

Production Liner

Cemented with 75 sx

TOC AT 2700' (Temp Survey)

Remediated with 70sx of cement

Circulate 20 sxs to surface

6-1/8" Hole

7" 24# set at 3930'

Packer set at ~ 3850'

Perf Interval: 3900' to 4076'

5-1/2" 15.5# set at 4076'

OH 4086' - 4221'

W. D. Grimes (East) No. 3

Repaired 5-1/2" and 7" casing leaks as follows:

1. Set bridge plug in base of 5-1/2" casing.
2. Using retrievable cementer found bottom leak in 5-1/2" casing between 3589' and 3775'. Top leak between 489' and 499'.
3. Ran cement retainer set at 3562'. Had circulation on 5-1/2", 7", and 9-5/8" casing. Displaced water with mud. Pumped approximately 750 sacks cement thru tubing. Circulated estimated 70 sacks out 9-5/8" casing then shut in. Circulated estimated 50 sacks out 7" casing then shut in and performed bradenhead squeeze. Tubing pressure 1250#. casing pressure 1000#. Displaced tubing with 9 barrels water. Pulled tubing. Connected to 13-3/8" bradenhead and cemented with 500 sacks. All casings and bradenheads shut in.
4. Waited on cement.
5. Ran bit to top cement at 663'. Pressured 5-1/2" casing. Would not hold 1000#. Drilled cement in 5-1/2" casing 25'. Pressured up on 5-1/2" casing. Found leak at 653' with circulation out 5-1/2" - 7" annulus.
6. Cemented 5-1/2" - 7" annulus with 70 sacks. Pumped 5-1/2" plug to 480'. Circulated approximately 20 sacks cement out of 5-1/2" - 7" annulus.
7. Waited on cement.
8. Tested 7" casing with 1000 psi for 30 minutes. No drop in pressure.
9. Drilled out cement and retainer.
10. Tested 5-1/2" casing with 1000 psi for 30 minutes. No drop in pressure.
11. Returned well to production.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-9720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
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

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
Property Code	Property Name NORTH HOBBS G/SA UNIT	Well Number 311
OGRID No.	Operator Name OCCIDENTAL PERMIAN LTD.	Elevation 3643.7'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	33	18 SOUTH	38 EAST, N.M.P.M.		328'	NORTH	2316'	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								
<table border="1"> <tr> <td>Dedicated Acres</td> <td>Joint or Infill</td> <td>Consolidation Code</td> <td>Order No.</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>										Dedicated Acres	Joint or Infill	Consolidation Code	Order No.				
Dedicated Acres	Joint or Infill	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.

SURFACE LOCATION NEW MEXICO EAST NAD 1927 Y=624082.16 US FT X=863407.69 US FT LAT.: N 32.7101327° LONG.: W 103.1518691° NAD 1983 Y=624141.74 US FT X=904587.58 US FT LAT.: N 32.7102450° LONG.: W 103.1523543°	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. <i>Jose L. Gago</i> 4/26/2021 Signature Date Jose L. Gago Printed Name E-mail Address
	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. APRIL 23 2021 Date of Survey Signature and Seal of Professional Surveyor <i>Terry J. As...</i> Certificate Number 15079 WO# 210423WL (KA)

★ NHSAU 311

30-025-07555

AOR

2 Mile Radius

0.5 Mile Radius

Oil and Gas Wells

Wells - Large Scale

- Miscellaneous
- ★ CO2, Active
- ★ CO2, Cancelled
- ★ CO2, New
- ★ CO2, Plugged
- ★ CO2, Temporarily Abandoned
- ★ Gas, Active
- ★ Gas, Cancelled
- ★ Gas, New
- ★ Gas, Plugged
- ★ Gas, Temporarily Abandoned
- ★ Injection, Active
- ★ Injection, Cancelled
- ★ Injection, New
- ★ Injection, Plugged
- ★ Injection, Temporarily Abandoned
- Oil, Active
- Oil, Cancelled
- Oil, New
- Oil, Plugged
- Oil, Temporarily Abandoned
- △ Salt Water Injection, Active
- △ Salt Water Injection, Cancelled
- △ Salt Water Injection, New
- △ Salt Water Injection, Plugged
- △ Salt Water Injection, Temporarily Abandoned
- Water, Active
- Water, Cancelled
- Water, New
- Water, Plugged
- Water, Temporarily Abandoned
- undefined

OCD Districts and Offices

OCD District Offices

★

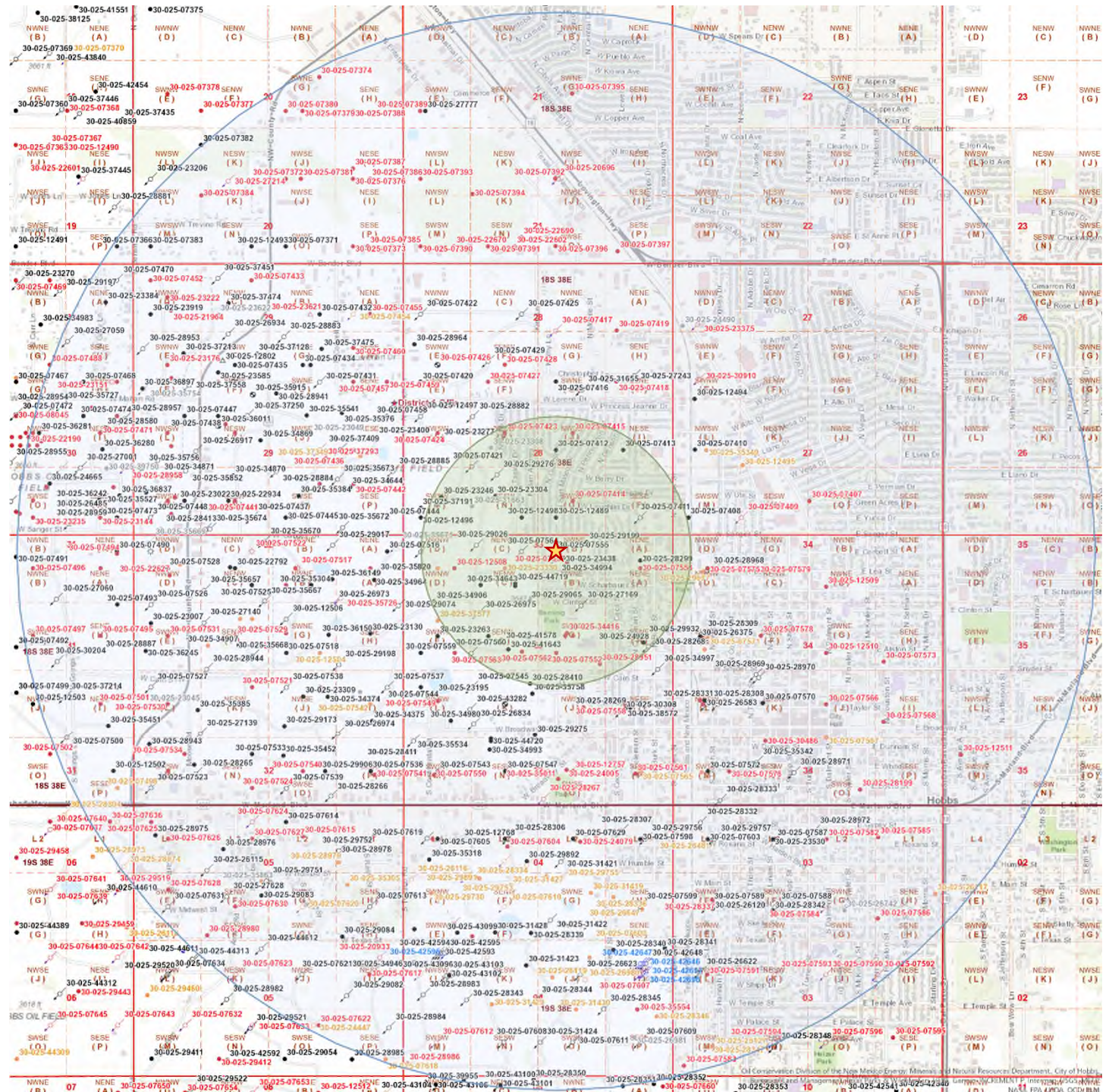
Public Land Survey System

PLSS Second Division

I

PLSS First Division

□



API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TVD (ft)	HOLE SIZE (in)	CSG. SIZE (in)	SET AT (ft)	SX. CMT.	CMT. TOP (ft)	MTD.	COMPLETION	REMARKS
30-025-23759	OXY USA INC	CONOCO STATE	001	Oil	Plugged, Site Released	1980	N	2130	E	G	33	18S	38E	26046	7075	17 12.25 8.75 0	13.375 9.625 7 4.5	418 3799 7075 7010	410 350 900 845	Surf 1089 3658 Surf	Circ Calc Calc Circ	6611'-6975' UPPER BLINEBRY 6585'-6600' TUBB (GAS) 5871'-6029' DRINKARD	Well Plugged on 05/29/2019

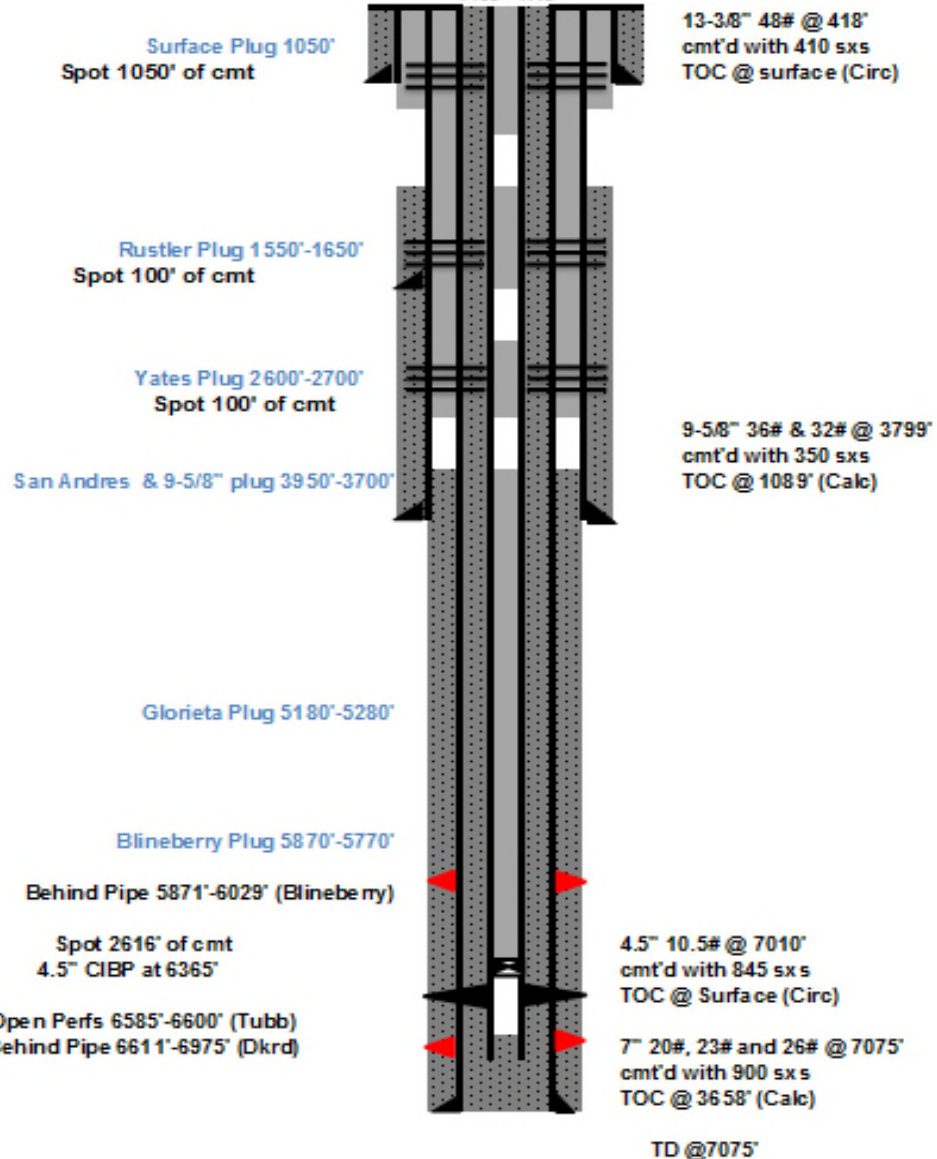


Conoco St 1

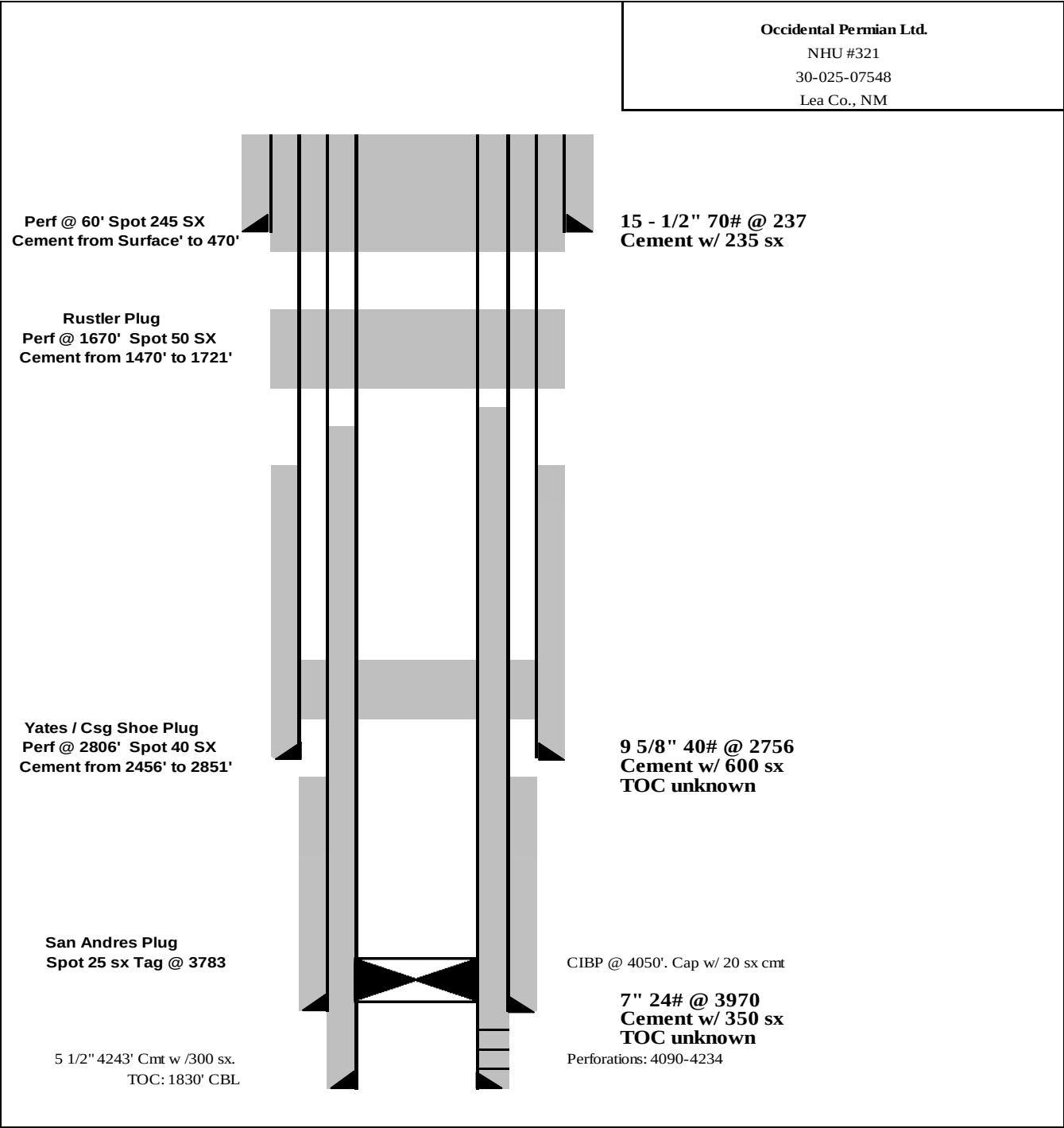
API# 30-025-23759

TWN 18-S; RNG 38-E

Prod - TAd



API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TVD (ft)	HOLE SIZE (in)	CSG. SIZE (in)	SET AT (ft)	SX. CMT.	CMT. TOP (ft)	MTD.	COMPLETION	REMARKS
30-025-07548	OCCIDENTAL PERMIAN LTD	NORTH HOBBS G/SA UNIT	321	Oil	Plugged, Site Released	1980	N	1980	E	G	33	18S	38E	11/18/1932	4244	0 0 0	15.5 9.625 7 5.5	237 2756 3970 4243	235 600 350 300	Surf 0 0 1830	Calc 0 0 CBL	4090'-4234' GRAYBURG-SAN ANDRES	There are no records of bit size or hole size. Cement tops for 9 5/8" and 7" casing could not be calculated. Well Plugged on 04/11/2014



API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TVD (ft)	HOLE SIZE (in)	CSG. SIZE (in)	SET AT (ft)	SX. CMT.	CMT. TOP (ft)	MTD.	COMPLETION	REMARKS	
30-025-28951	OCCIDENTAL PERMIAN LTD	NORTH HOBBS G/SA UNIT	323	Oil	Plugged, Site Released	2525	N	1453	E	G	33	18S	38E	6/5/1985	4370	0 0 0	13.375 9.625 7	40 1517 4370	0 650 925	Surf Surf 3012	Circ Circ CBL		4003'-4221' GRAYBURG-SAN ANDRES	Well Plugged on 04/11/2014

Occidental Permian Ltd.

NHSAU #323

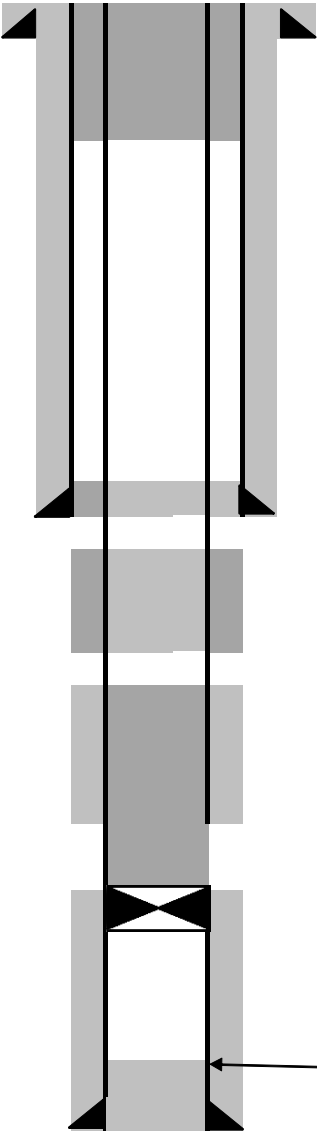
30-025-28951

Surface: 2525' FNL and 1453' FEL

Unit Letter 'G' Section 33 T18S, R38E

Lea County, New Mexico

13 3/8" 70# @ 40' with cmt to surface



Perf @ 94', Sqx 25 sx cmt to surface.

Perf @ 400', Sqx 100 sx cmt, tag TOC @ 96'.

9 5/8", 36#, K-55 at 1517
Cmt w/ 650 sx
Circulate.

Perf @ 1567', Spot 30 sx cmt @ 1623', tag TOC @ 1449'.

Perf @ 2655', Spot 35 sx cmt, tag TOC @ 2512'.

Tag Plug @ 3947', stop 25 sx cmt, Tag TOC @ 3802'.

CIBP at 3953' Cap w/20 sx cmt

San Andres Open Perforations
4003-4221' (gross)

7" 20#, K-55 @ 4370
cmt w/925 sx
TOC 3012' (CBL)
Returns seen at surface

PBSD at 4320 (cmt)

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TVD (ft)	HOLE SIZE (in)	CSG. SIZE (in)	SET AT (ft)	SX. CMT.	CMT. TOP (ft)	MTD.	COMPLETION	REMARKS
30-025-07556	OCCIDENTAL PERMIAN LTD	NORTH HOBBS G/SA UNIT	411	Oil	Plugged, Not Released	660	N	660	E	A	33	18S	38E	9/28/1934	4256	0 0 0 0	13.375 9.625 7 2.5	285 2739 3970 4175	200 350 150 40	Surf 1723 3260 3964	Circ Calc CBL Temp	4020'-4170' GRAYBURG-SAN ANDRES	Well Plugged on 03/28/2018



Occidental Petroleum Corporation

NHU 33-411

API# 30-025-07556

TWN 18-S; RNG 38-E

P&A'd Well

Perf at 350' and Sqz 210 sx (50 bbl)
Then spot 35 sx (8.2 bbls) down to 300'
Perf at 60' and sqz 36 sx to surface
(Surface Plug)

Perf at 1658 and 1598. Cemented under
a packer with 50 sx (11.7 bbls). Tag @
(Rustle Plug)

Perf and Sqz 100 sx from 2615' uncer
CICR
(Yates / Csg Shoe Plug)

Spot 25 sx on top of plug

TOC at 3915' (tagged)
(85' cement)
CIBP SA 4000'

SQZD Perfs 4020-4058'
Plugged Back: 4095-4170'

13-3/8" 54.5# @ 285'
cmt'd w/ 200 sxs
TOC @ Surf (Circ.)

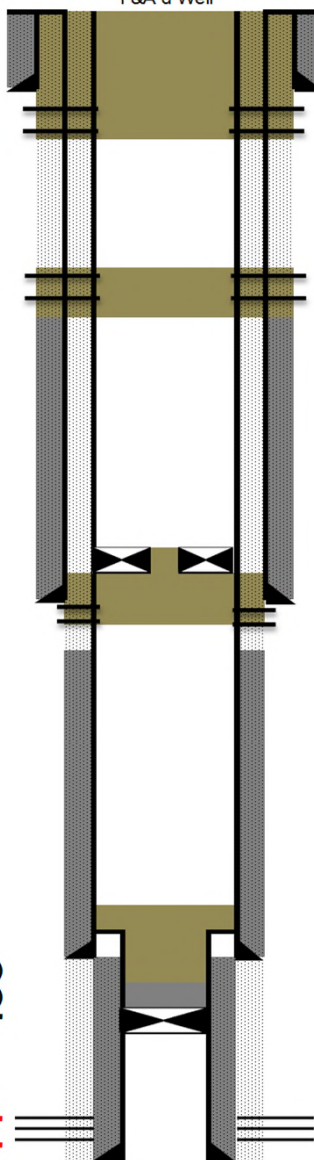
Tops:
Rustler: 1608'
Salt: 1690'
Yates: 2727'
B. Grayburg: 3915'
San Andres: 4017'

9-5/8" 36# @ 2739'
cmt'd w/350 sxs
TOC @ 1723' (Calc.)

7" 24# @ 3970'
cmt'd w/150 sxs
TOC @ 3260' (CBL)

5-1/2" 14# @ 3919-4175'
cmt'd w/40 sxs
TOC @ 3964 (TS)

PBTD @ 3915'
TD @ 4240'



API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TVD (ft)	HOLE SIZE (in)	CSG. SIZE (in)	SET AT (ft)	SX. CMT.	CMT. TOP (ft)	MTD.	COMPLETION	REMARKS	
30-025-34416	OCCIDENTAL PERMIAN LTD	NORTH HOBBS G/SA UNIT	545	Oil	Plugged, Site	1925	N	2100	E	G	33	18S	38E	7/19/1998	4404	8.625 5.500	8.625 5.500	1550 4558	800 1000	Surf Surf	Circ Circ		4275'-4354' GRAYBURG-SAN ANDRES	Well Plugged on 04/11/2014



Occidental Petroleum Corporation

NHU 33-545

API# 30-025-34416

TWN 18-S; RNG 38-E

Prod- Active

Surface Plug
Spot 300' of cmt @ 300'
Cement to surface

Rustler / Csg Shoe Plug
Spot 100' of cmt @ 1600'
TOC @ 1450

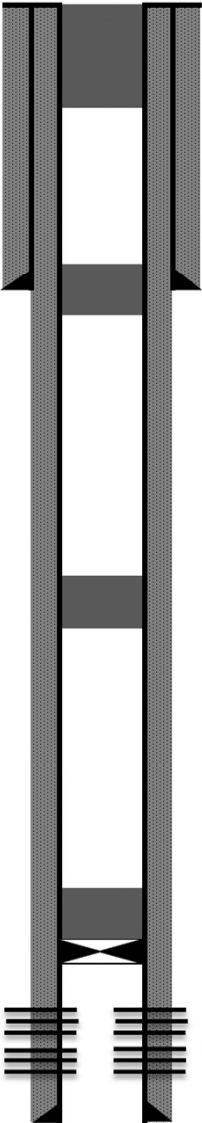
Yates Plug
Spot 100' of cmt from 2800'
TOC @ 2680'

San Andres Plug
CIBP @ 4110 and cap w/ 25 sx TOC @
4010'

Perfs 4160' to 4354'

8 5/8" 24# @ 1550'
cmt'd w/550 sxs
TOC @ Surface (Circ.)

5 1/2" 15.5# @ 4558'
cmt'd w/1000 sxs
TOC @ Surface (Circ.)

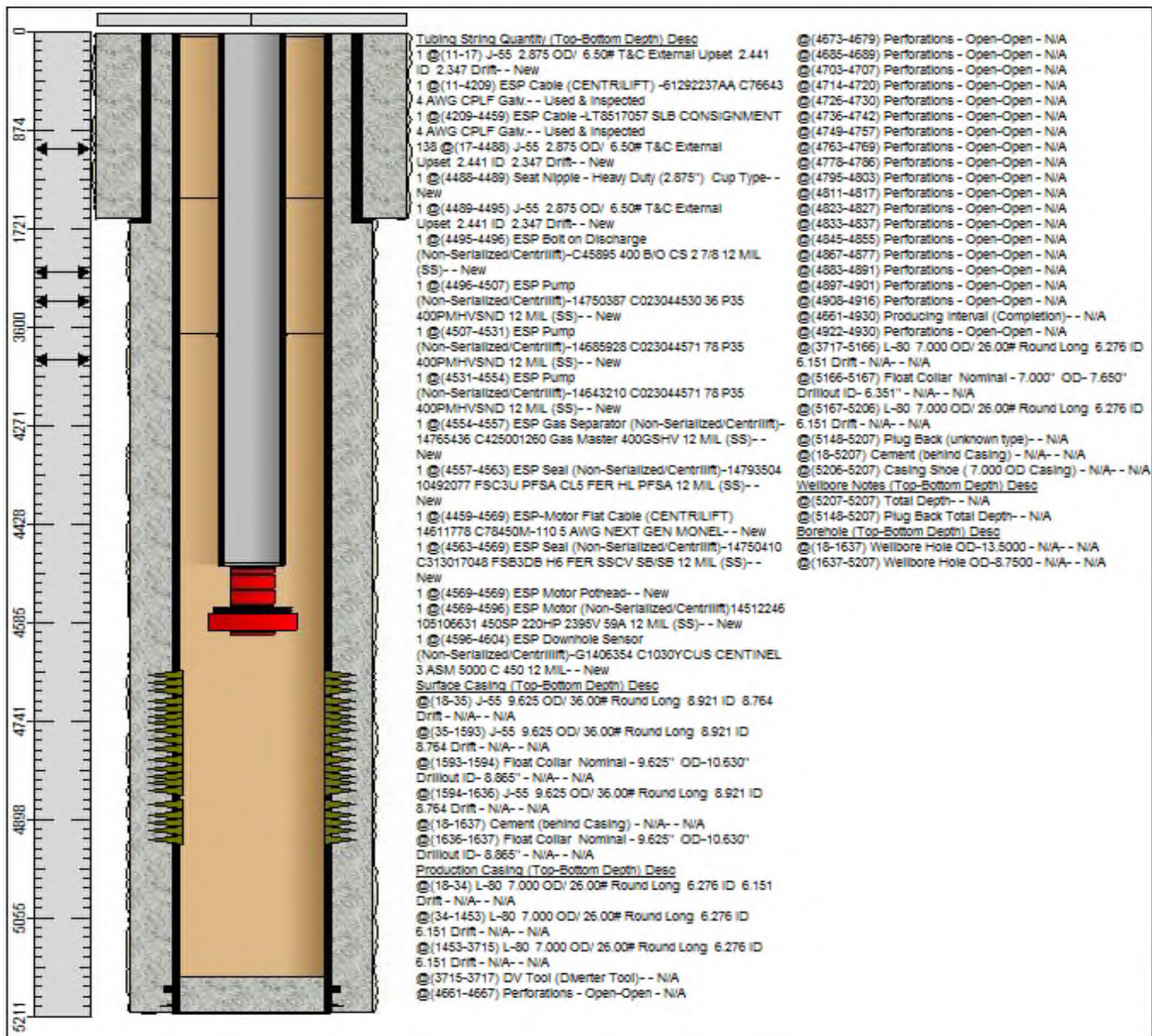


TD @ 4558
PBTD @ 4451

API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TVD (ft)	HOLE SIZE (in)	CSG. SIZE (in)	SET AT (ft)	SX. CMT.	CMT. TOP (ft)	MTD.	COMPLETION	REMARKS
30-025-44718	OCCIDENTAL PERMIAN LTD	NORTH HOBBS G/SA UNIT	694	Oil	Active	1000	N	2188	W	C	33	185	38E	12/22/2018	4541	13.500 8.750	9.625 7.000	1655 5207	820 1110	Surf 0	Circ Calc	4661'-4930' GRAYBURG-SAN ANDRES	DV tool at 3,717'



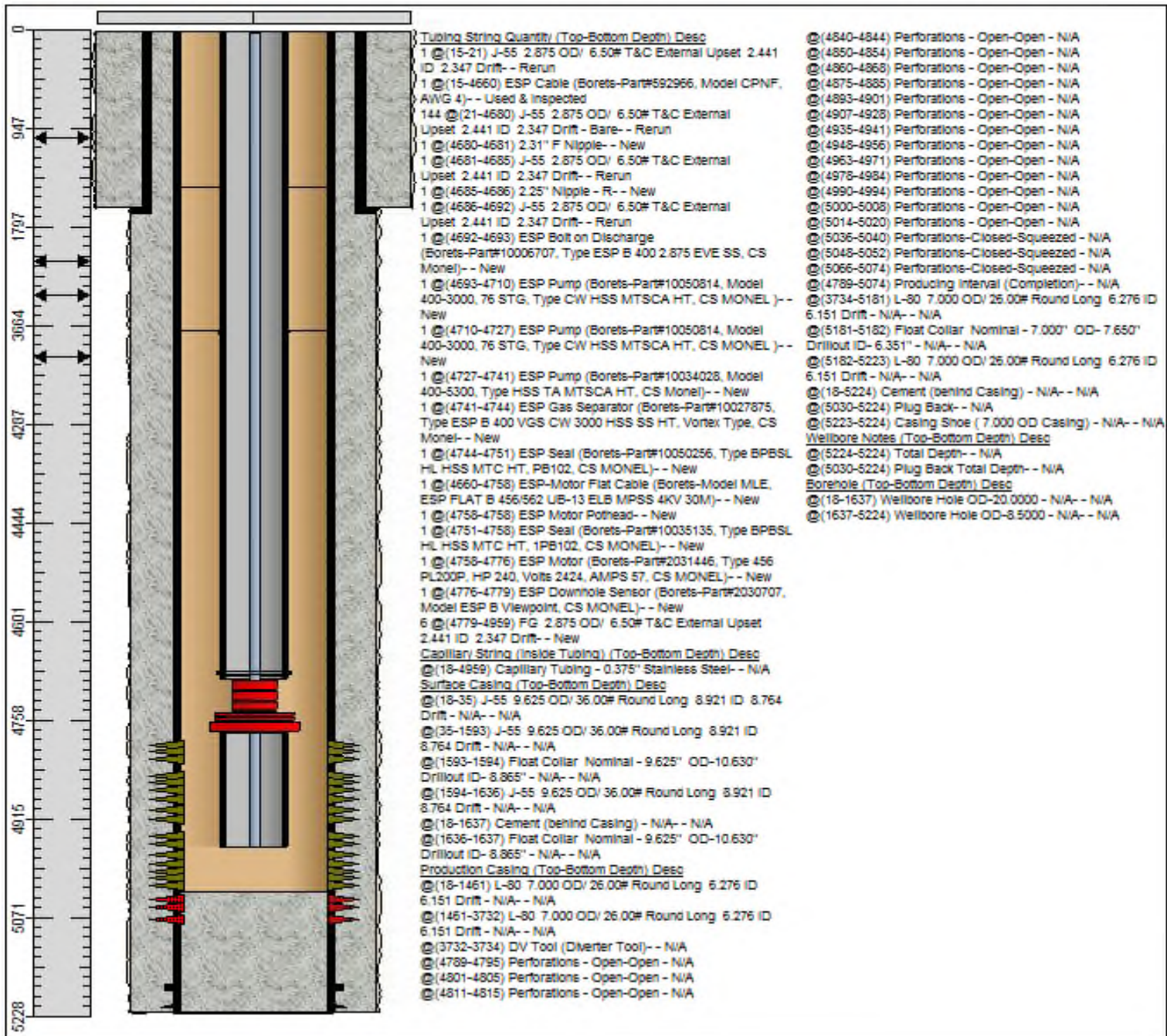
Wellbore Diagram : NHSAU 694-33



API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TVD (ft)	HOLE SIZE (in)	CSG. SIZE (in)	SET AT (ft)	SX. CMT.	CMT. TOP (ft)	MTD.	COMPLETION	REMARKS
30-025-44719	OCCIDENTAL PERMIAN LTD	NORTH HOBBS G/SA	695	Oil	Active	950	N	2188	W	C	33	185	38E	12/30/2018	4446	13.500 8.750	9.625 7.000	1637 5224	885 885	Surf 0	Circ Calc	4789'-5074' GRAYBURG-SAN ANDRES	DV tool at 3,735'



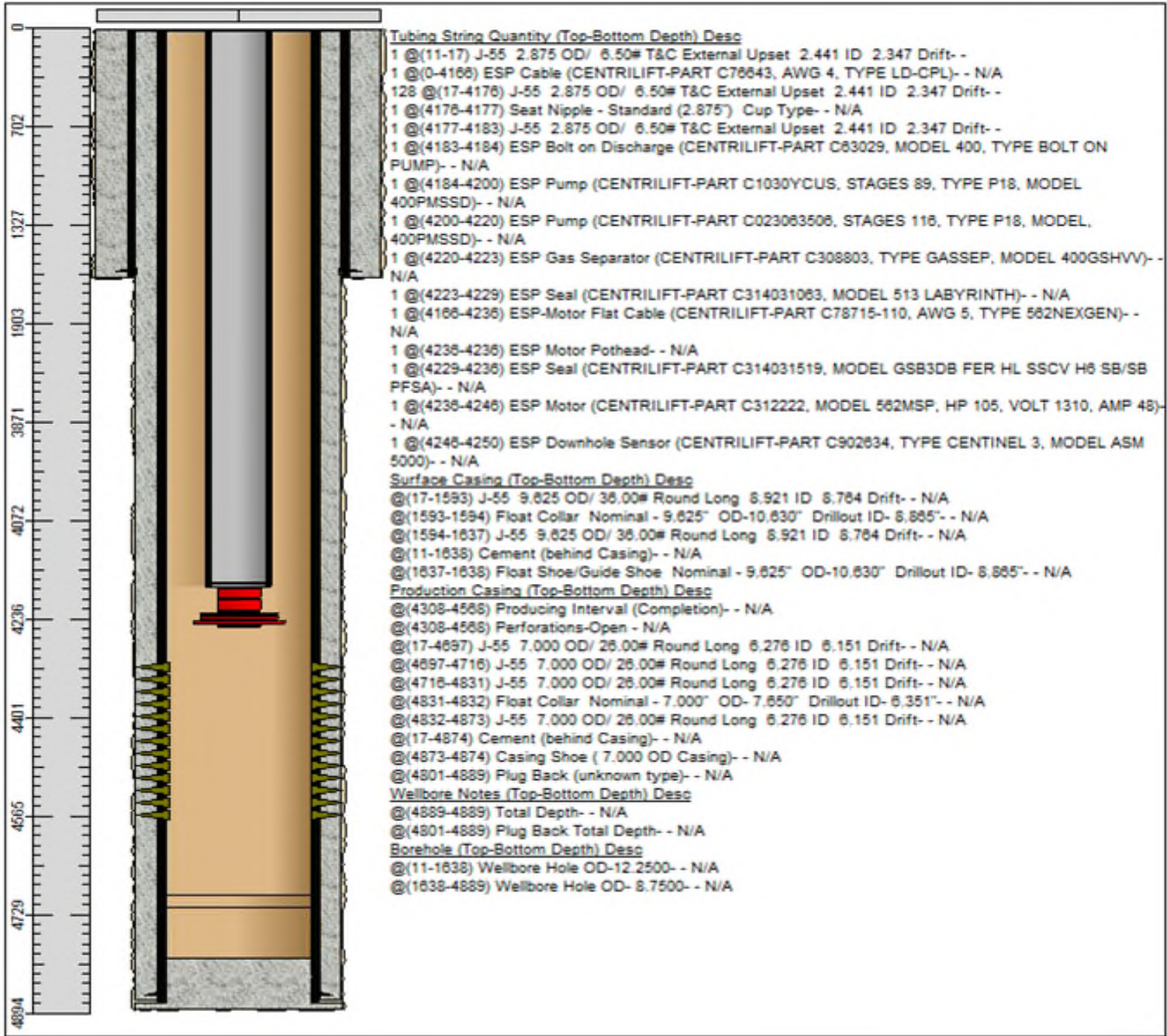
Wellbore Diagram : NHSAU 695-33



API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TVD (ft)	HOLE SIZE (in)	CSG. SIZE (in)	SET AT (ft)	SX. CMT.	CMT. TOP (ft)	MTD.	COMPLETION	REMARKS
30-025-41578	OCCIDENTAL PERMIAN LTD	NORTH HOBBS G/SA	948	Oil	Active	2094	N	1963	W	F	33	18S	38E	3/2/2014	4592	12.250 8.75	9.625 7.000	1638 4859	650 1010	Surf Circ	Circ	4308'-4568' GRAYBURG-SAN ANDRES	DV Tool at 3,779'



Wellbore Diagram : NHSAU 948-33



API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TVD (ft)	HOLE SIZE (in)	CSG. SIZE (in)	SET AT (ft)	SX. CMT.	CMT. TOP (ft)	MTD.	COMPLETION	REMARKS
30-025-41643	OCCIDENTAL PERMIAN LTD	NORTH HOBBS G/SA	949	Oil	Active	2243	N	2046	W	F	33	185	38E	3/16/2014	4548.6	12.250 8.750	9.625 7.000	1626 5228	650 940	Surf Surf	Circ Circ	4630'-4885' GRAYBURG-SAN ANDRES	DV tool at 4,020'



Wellbore Diagram : NHSAU 949-33

