



**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. 234  
API 30-025-29275  
Letter K, 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, CO<sub>2</sub>, 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,

A handwritten signature in blue ink that reads 'Jose Gago'.

Jose Gago  
Regulatory Engineer



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL  
RESOURCES DEPARTMENT

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

FORM C-108  
Revised June 10, 2003

**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: Jose L Gago PHONE: 832-646-4450

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-F

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).

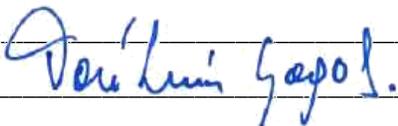
\*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

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: Jose L Gago TITLE: Engineer, Regulatory

SIGNATURE:  DATE: 04/21/2021

E-MAIL ADDRESS: Jose\_Gago@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: February 11, 2014 as part of Order No. R-6199-F application

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

Side 2

### 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.

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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. 234  
 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. 234
- 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 #234" (API: 30-25-29275) 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 |
|--------------|---------------------------|------------------------|-----------------------|
| 30-025-07546 | NORTH HOBBS G/SA UNIT 331 | OCCIDENTAL PERMIAN LTD | P & A                 |
| 30-025-07548 | NORTH HOBBS G/SA UNIT 321 | OCCIDENTAL PERMIAN LTD | P & A                 |
| 30-025-12757 | NORTH HOBBS G/SA UNIT 341 | OCCIDENTAL PERMIAN LTD | P & A                 |
| 30-025-23759 | CONOCO STATE 001          | OXY USA INC            | P & A                 |
| 30-025-24005 | CONOCO STATE 004          | OXY USA INC            | P & A                 |
| 30-025-28267 | NORTH HOBBS G/SA UNIT 342 | OCCIDENTAL PERMIAN LTD | 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                 |
| 30-025-35011 | NORTH HOBBS G/SA UNIT 734 | 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              |
| 30-025-43282 | NORTH HOBBS G/SA UNIT 693 | OCCIDENTAL PERMIAN LTD | New Well              |
| 30-025-44720 | NORTH HOBBS G/SA UNIT 697 | OCCIDENTAL PERMIAN LTD | New Well              |
| 30-025-44721 | NORTH HOBBS G/SA UNIT 696 | 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.



Side 2

**INJECTION WELL DATA SHEET**

Tubing Size: 2 - 7/8" Lining Material: Duoline

Type of Packer: 7" x 2 3/8" 14-20# AS1-X Double Grip injection Packer

Packer Setting Depth: 3850' MD

Other Type of Tubing/Casing Seal (if applicable): \_\_\_\_\_

Additional Data

1. Is this a new well drilled for injection? \_\_\_\_\_ Yes  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 #234**

API# **30-025-29275**

Zone: **San Andres**

Spud: **6/14/1985**

GL elev

**3633.0'**

### NORTH HOBBS G/SA UNIT #234

CEMENT

DEVIATION SURVEYS

DEPTH

DEGREE

**Surface Casing**

Cement with 450 sx lite wt HE III + 2% S-1 + 1/2#/sx D-29 lead, 200 sx HE II + 3% S-1 + 1/2#/sx D-29 tail

**CIRCULATED 140 sx TO SURFACE**

12-1/4" hole

**9-5/8" 36# set at 1503'**

**Production Casing**

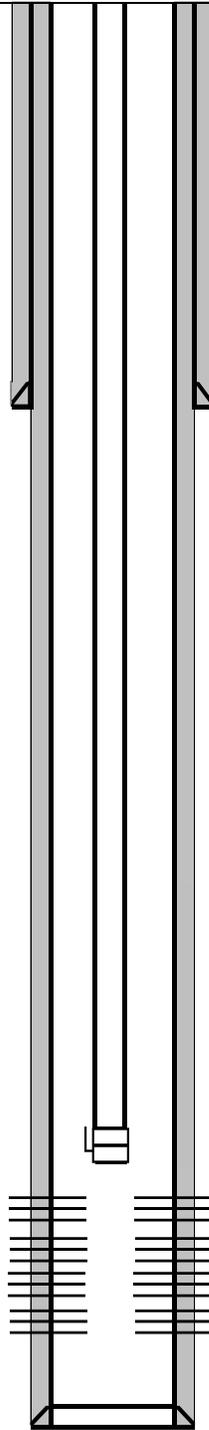
Cemented with 800 sxs Lite st IV "HE" w/2% D-20 + 8.43#/sx D-44 + 1/2#/sx D-29 lead, 325 sx HE II w/4.86#/sx D-44 + 1/2#/sx D-29

**Circulated 120 sx on the first stage**

8-3/4" Hole

**Perfs 4046, 4050, 4089- 4117, 4125-4146, 4159-4174, 4182, 4186-4195, 4209, 4214-4251**

**7" 20# set at 4372'**



### WELLBORE DIAGRAM

(updated: 03/04/2021 CER)

Revision 0

WELL# **NORTH HOBBS G/SA UNIT #234**

API# 30-025-29275

Zone: San Andres

Spud: 6/14/1985

GL elev

3633.0'

### NORTH HOBBS G/SA UNIT #234

CEMENT

DEVIATION SURVEYS

DEPTH

DEGREE

**Surface Casing**

Cement with 450 sx lite wt HE III + 2% S-1 + 1/2#/sx D-29 lead, 2000 sx HE II + 3% S-1 + 1/2#/sx D-29 tail

**CIRCULATED 140 sx TO SURFACE**

12-1/4" hole

**9-5/8" 36# set at 1503'**

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Cemented with 800 sxs Lite st IV "HE" w/2% D-20 + 8.43#/sx D-44 + 1/2#/sx D-29 lead, 325 sx HE II w/4.86#/sx D-44 + 1/2#/sx D-29

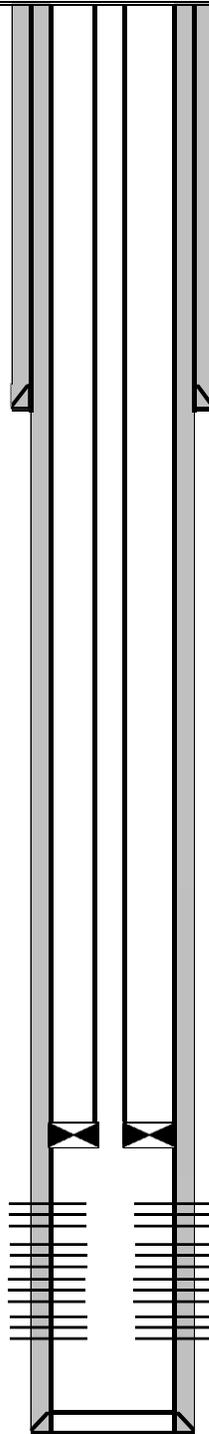
**Circulated 120 sx on the first stage**

8-3/4" Hole

**Packer set at +/- 3950'**

Perfs 4046, 4050, 4089- 4117, 4125-4146, 4159-4174, 4182, 4186-4195, 4209, 4214-4251

**7" 20# set at 4372'**



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

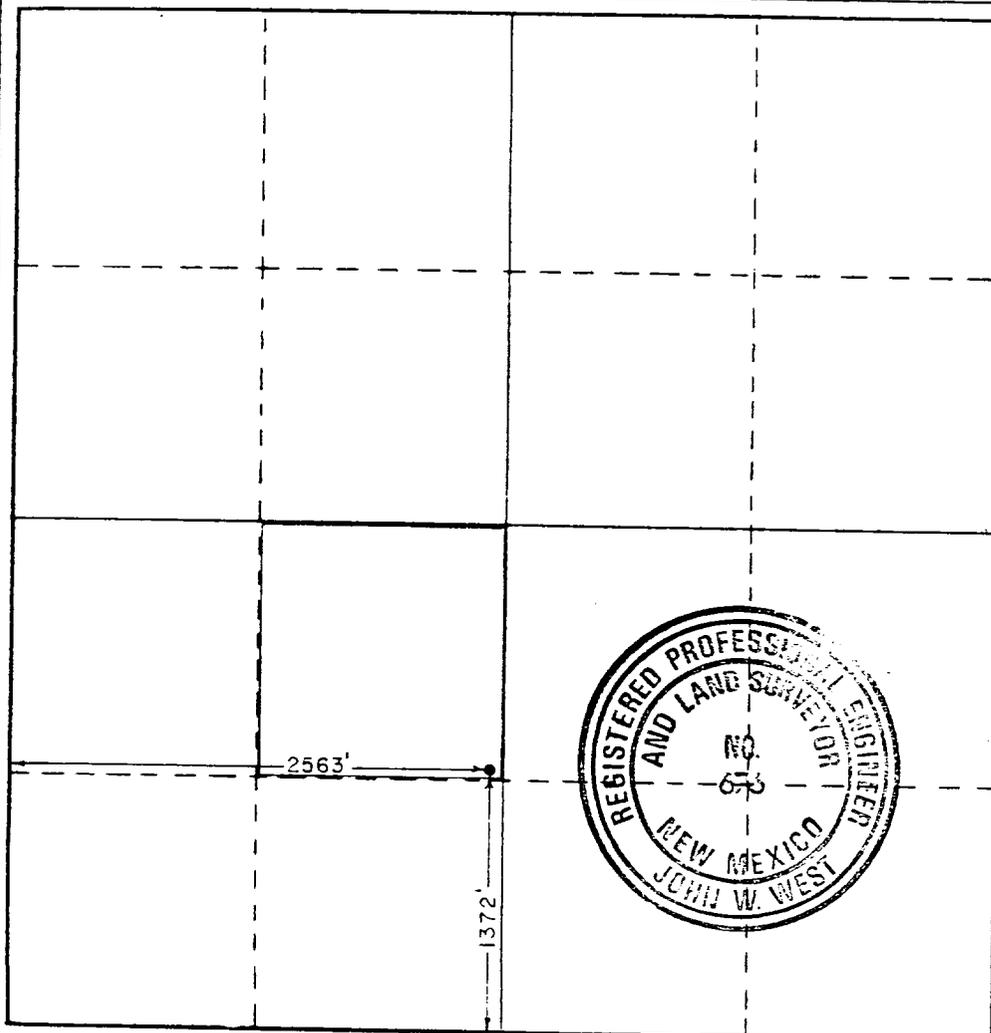
|  |                                   |                                      |                                     |               |                                |
|--|-----------------------------------|--------------------------------------|-------------------------------------|---------------|--------------------------------|
| Operator<br>SHELL WESTERN E. & P., INC.  |                                   | Lease<br>NORTH HOBBS UNIT SECTION 33 |                                     |               | Well No.<br>234                |
| Tract Letter<br>K  | Section<br>33                     | Township<br>18 SOUTH                 | Range<br>38 EAST                    | County<br>LEA |                                |
| Actual Footage Location of Well:<br>1372 feet from the SOUTH line and 2563 feet from the WEST line |                                   |                                      |                                     |               |                                |
| Ground Level Elev.<br>3633.0   | Producing Formation<br>SAN ANDRES |                                      | Pool<br>HOBBS (GRAYBURG/SAN ANDRES) |               | Dedicated Acreage:<br>40 Acres |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation UNITIZATION

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Name  
*A. J. Fore* A. J. FORE  
Position  
SUPERVISOR REG. & PERMITTING  
Company  
SHELL WESTERN E&P INC.  
Date  
AUGUST 21, 1985

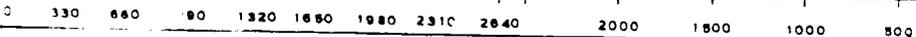
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
JANUARY 30, 1985

Registered Professional Engineer and/or Land Surveyor

*John W. West*

Certificate No. JOHN W. WEST, 676  
RONALD J. EIDSON, 3239



# ★ NNSAU 234

## 30-025-29275

### 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

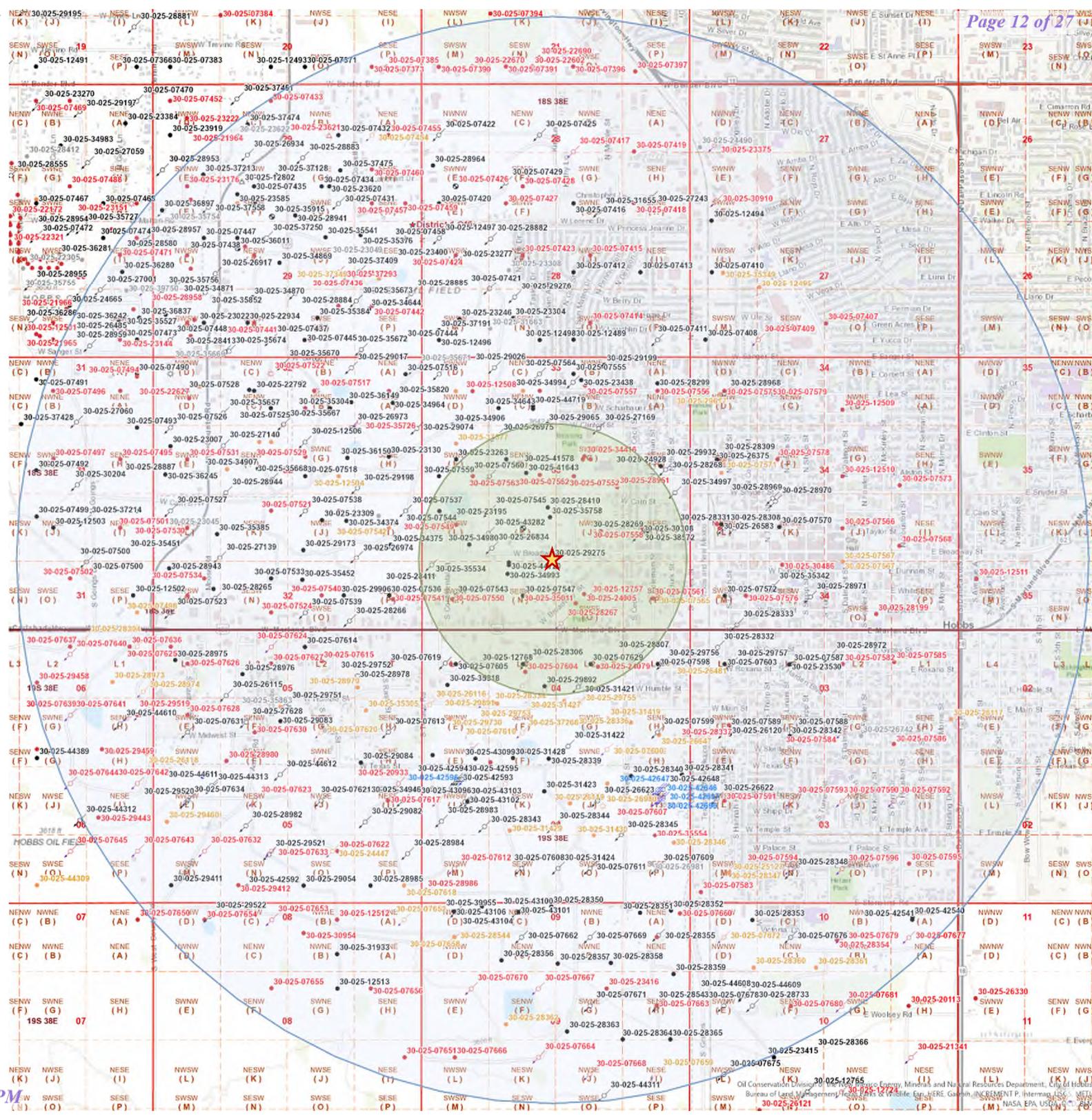
OCD District Offices



#### Public Land Survey System

PLSS Second Division

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             | 13.375         | 418         | 410      | Surf          | Circ | 6611'-6975'<br>UPPER BLINEBRY | Well Plugged on 05/29/2019 |
|              |             |              |          |           |                        |          |     |          |     |      |      |       |      |              |          | 12.25          | 9.625          | 3799        | 350      | 1089          | Calc | 6585'-6600'                   |                            |
|              |             |              |          |           |                        |          |     |          |     |      |      |       |      |              |          | 8.75           | 7              | 7075        | 900      | 3658          | Calc | TUBB (GAS)                    |                            |
|              |             |              |          |           |                        |          |     |          |     |      |      |       |      |              |          | 0              | 4.5            | 7010        | 845      | Surf          | Circ | 5871'-6029'<br>DRINKARD       |                            |

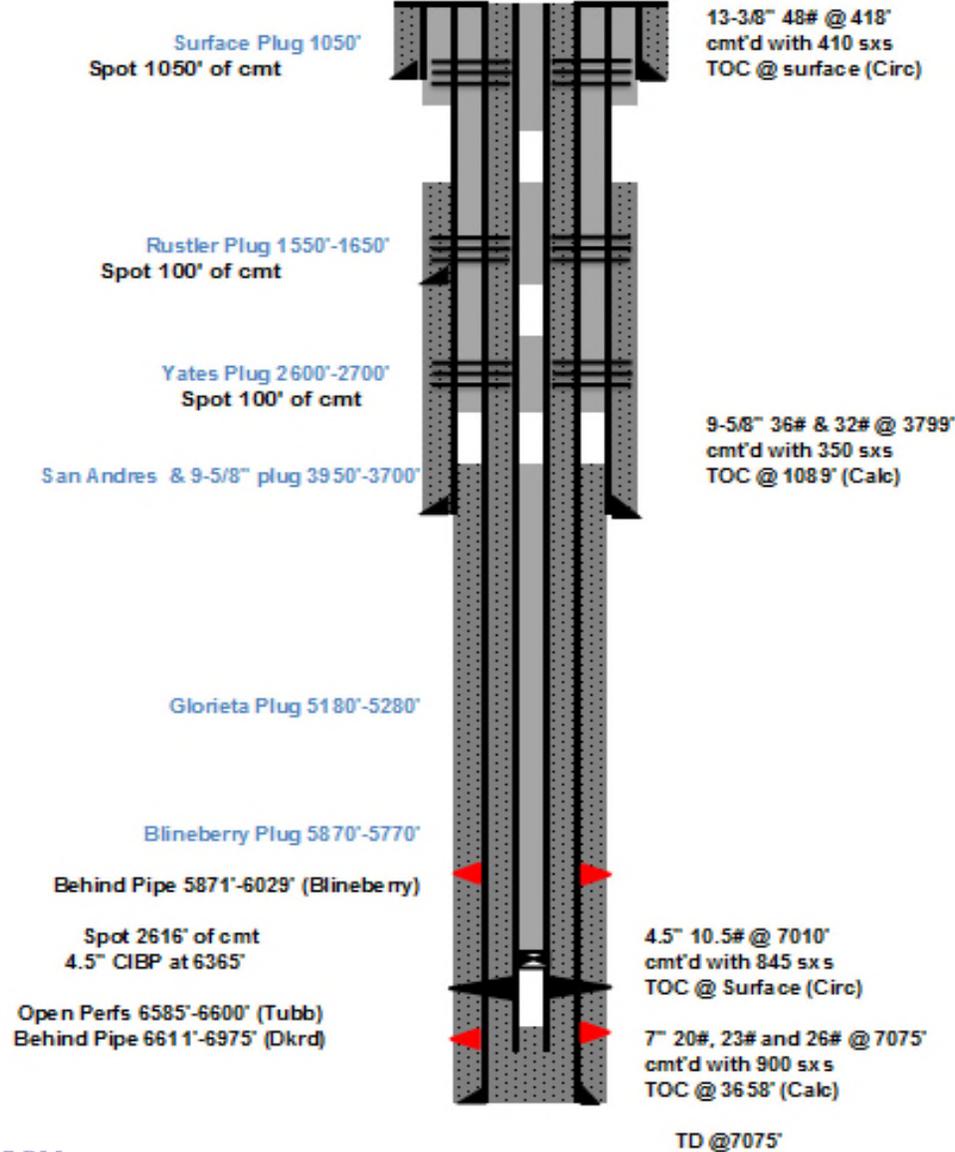


### Conoco St 1

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                    |
|--------------|-------------|--------------|----------|-----------|-----------------------|----------|-----|----------|-----|------|------|-------|------|--------------|----------|----------------|----------------|-------------|----------|---------------|------|-------------|----------------------------|
| 30-025-24005 | OXY USA INC | CONOCO STATE | 004      | Oil       | Plugged, Not Released | 688      | S   | 2111     | E   | O    | 33   | 18S   | 38E  | 26318        | 7080     | 17             | 13.375         | 378         | 350      | Surf          | Circ | 6611'-6961' | Well Plugged on 06/05/2019 |
|              |             |              |          |           |                       |          |     |          |     |      |      |       |      |              |          | 12.25          | 9.625          | 3800        | 350      |               |      | 6523'-6534' |                            |
|              |             |              |          |           |                       |          |     |          |     |      |      |       |      |              |          | 8.75           | 7              | 7080        | 600      |               |      | TUBB (GAS)  |                            |
|              |             |              |          |           |                       |          |     |          |     |      |      |       |      |              |          |                |                |             |          |               |      | 5814'-6029' |                            |
|              |             |              |          |           |                       |          |     |          |     |      |      |       |      |              |          |                |                |             |          |               |      |             |                            |

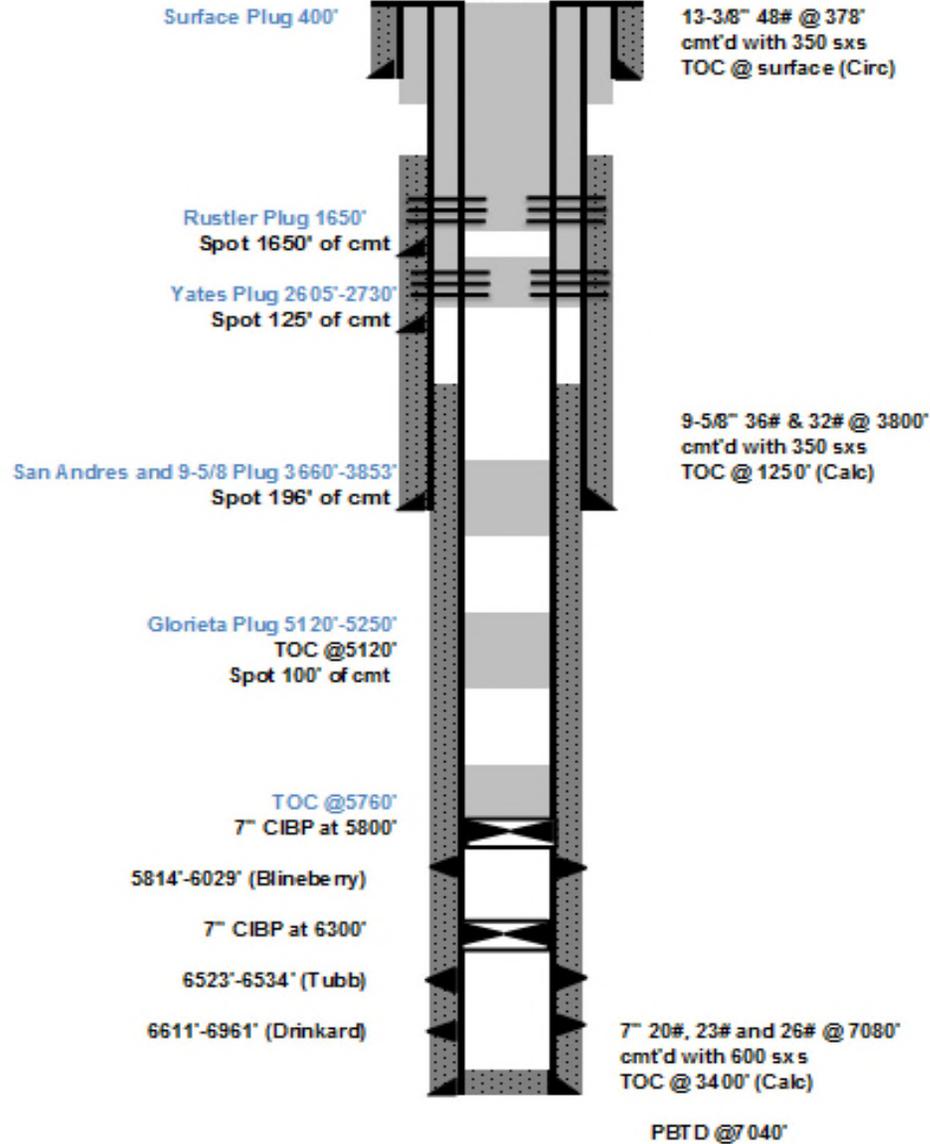


### Conoco St 4

API# 30-025-24005

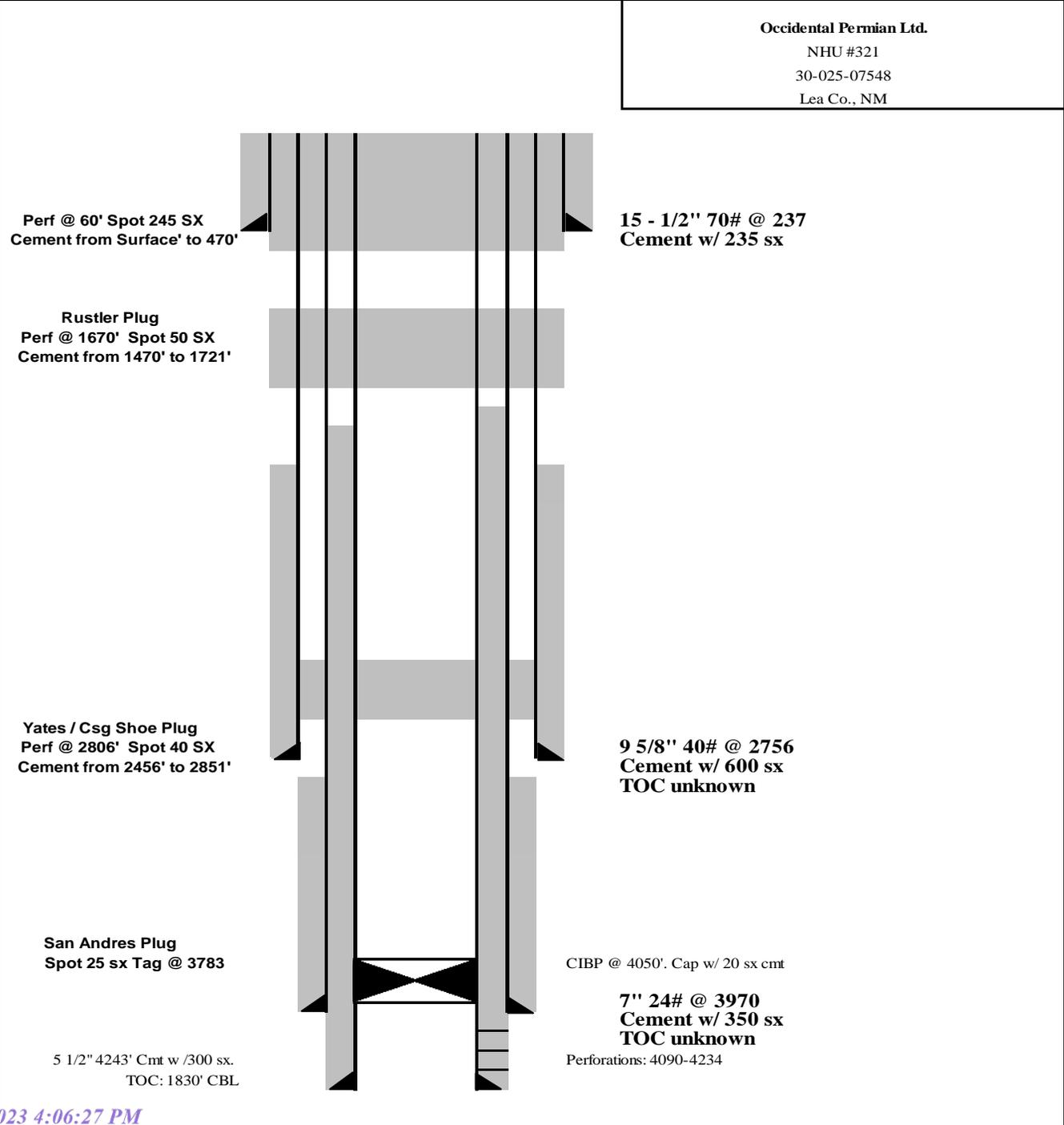
TWN 18-S; RNG 38-E

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<br>0<br>0<br>0 | 15.5<br>9.625<br>7<br>5.5 | 237<br>2756<br>3970<br>4243 | 235<br>600<br>350<br>300 | Surf<br>0<br>0<br>1830 | Calc<br>0<br>0<br>CBL | 4090'-4234'<br>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 |

**Occidental Permian Ltd.**  
 NHU #321  
 30-025-07548  
 Lea Co., NM



**Perf @ 60' Spot 245 SX**  
 Cement from Surface' to 470'

**15 - 1/2" 70# @ 237**  
 Cement w/ 235 sx

**Rustler Plug**  
 Perf @ 1670' Spot 50 SX  
 Cement from 1470' to 1721'

**Yates / Csg Shoe Plug**  
 Perf @ 2806' Spot 40 SX  
 Cement from 2456' to 2851'

**9 5/8" 40# @ 2756**  
 Cement w/ 600 sx  
 TOC unknown

**San Andres Plug**  
 Spot 25 sx Tag @ 3783

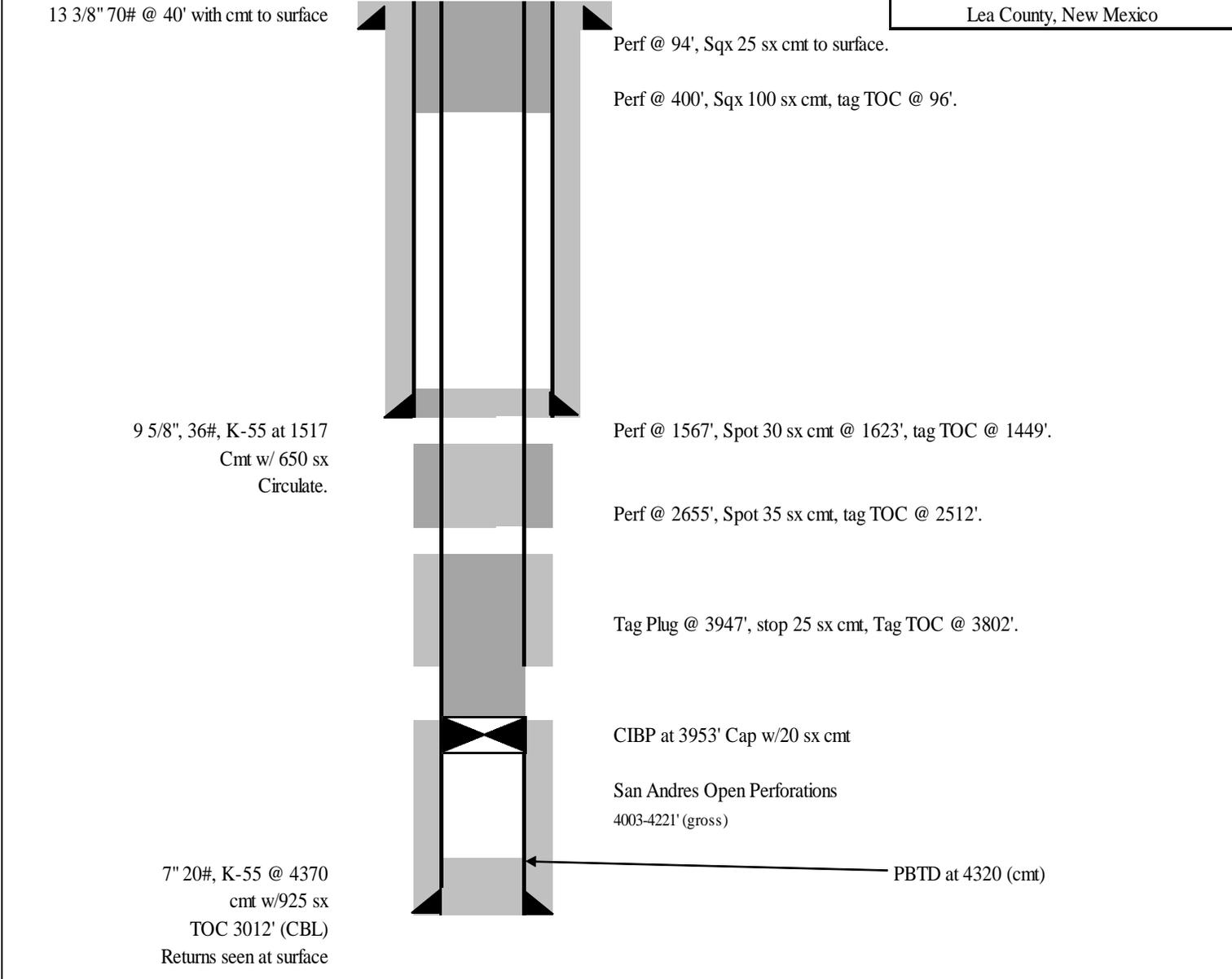
CIBP @ 4050'. Cap w/ 20 sx cmt

5 1/2" 4243' Cmt w /300 sx.  
 TOC: 1830' CBL

**7" 24# @ 3970**  
 Cement w/ 350 sx  
 TOC unknown  
 Perforations: 4090-4234

| 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<br>0<br>0    | 13.375<br>9.625<br>7 | 40<br>1517<br>4370 | 0<br>650<br>925 | Surf<br>Surf<br>3012 | Circ<br>Circ<br>CBL | 4003'-4221'<br>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'.

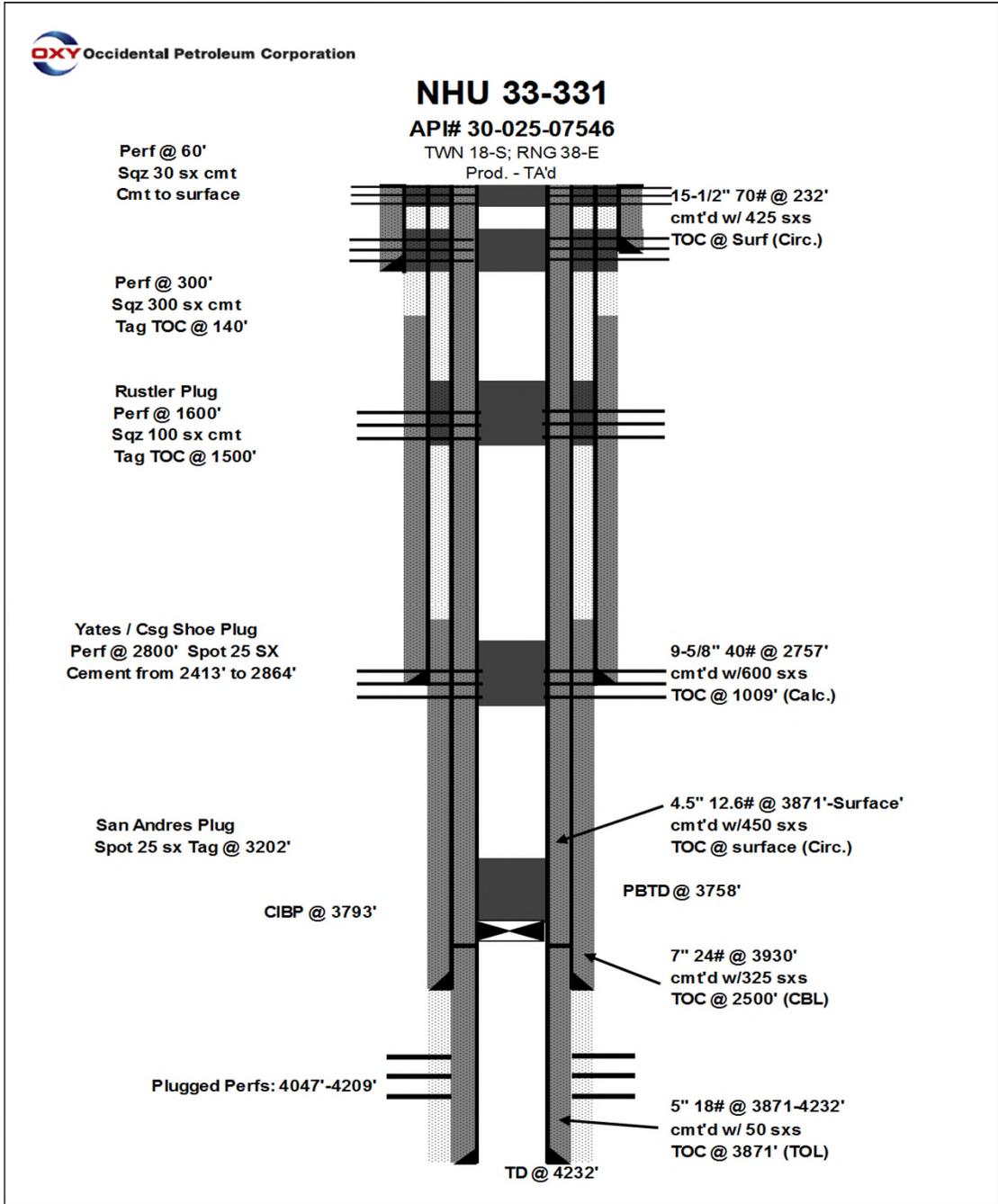
CIBP at 3953' Cap w/20 sx cmt

San Andres Open Perforations  
 4003-4221' (gross)

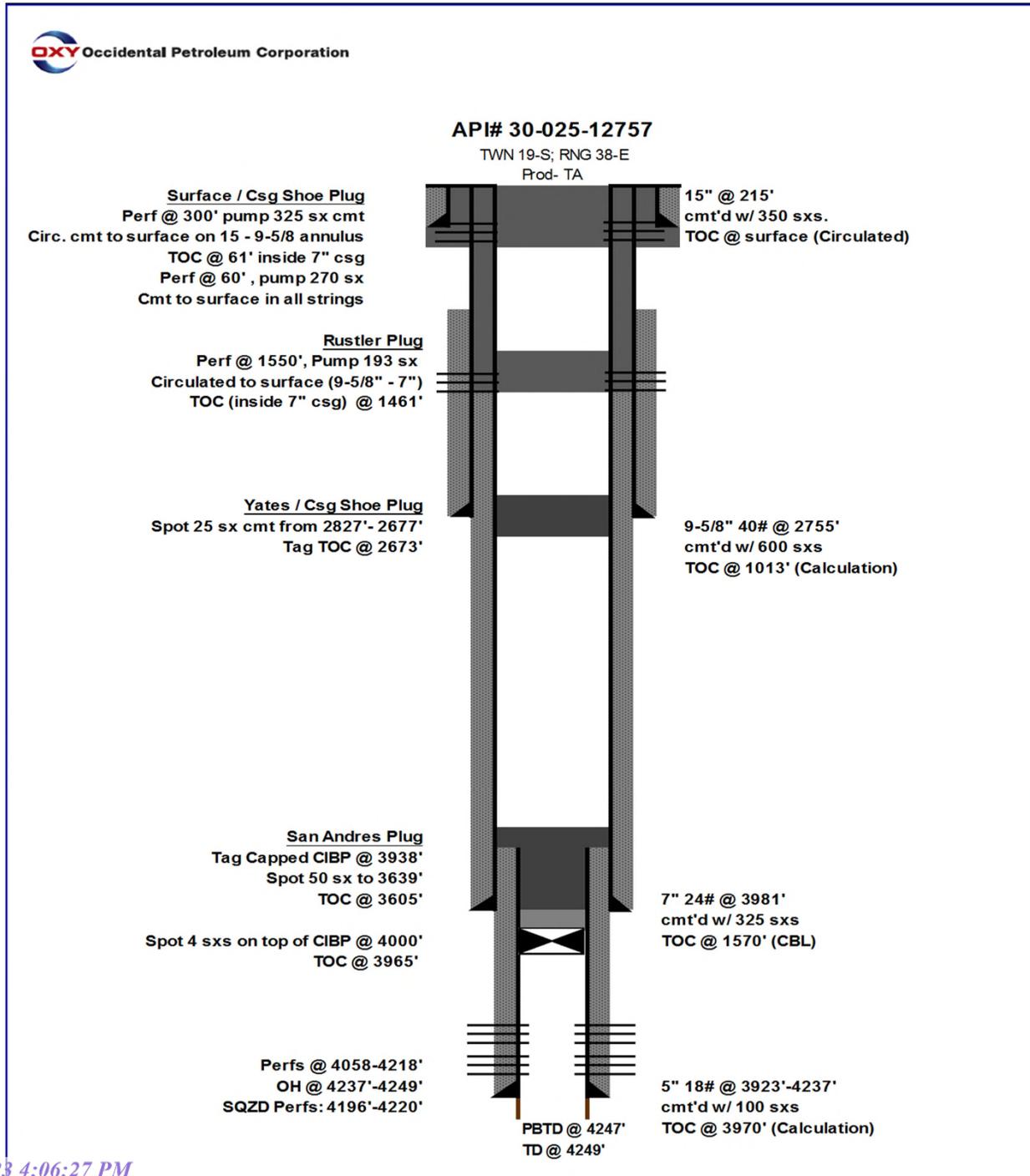
7" 20#, K-55 @ 4370  
 cmt w/925 sx  
 TOC 3012' (CBL)  
 Returns seen at surface

PBTD 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                            |  |
|--------------|------------------------|-----------------------|----------|-----------|------------------------|----------|-----|----------|-----|------|------|-------|------|--------------|----------|------------------------------------|--------------------------------------|-----------------------------------|--------------------------------|--------------------------------------|-------------------------------------|------------|------------------------------------|--|
| 30-025-07546 | OCCIDENTAL PERMIAN LTD | NORTH HOBBS G/SA UNIT | 331      | Oil       | Plugged, Site Released | 1920     | S   | 1780     | E   | J    | 33   | 18S   | 38E  | 10/1/1931    | 4234     | 15.500<br>9.625<br>7.000<br>5<br>7 | 15.500<br>9.625<br>7.000<br>5<br>4.5 | 425<br>2757<br>3928<br>50<br>3871 | 425<br>425<br>325<br>50<br>450 | Surf<br>Surf<br>Surf<br>Circ<br>Surf | Circ<br>Calc<br>CBL<br>Circ<br>Circ |            | 4047'-4054'<br>GRAYBURG-SAN ANDRES | Well Plugged on 02/25/2019 and site released on 10/11/2019 |



| 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                    |
|--------------|------------------------|-----------------------|----------|-----------|------------------------|----------|-----|----------|-----|------|------|-------|------|--------------|----------|----------------|-----------------------|-----------------------------|--------------------------|------------------------------|-----------------------------|------------------------------------|----------------------------|
| 30-025-12757 | OCCIDENTAL PERMIAN LTD | NORTH HOBBS G/SA UNIT | 341      | Oil       | Plugged, Site Released | 660      | S   | 1980     | E   | O    | 33   | 18S   | 38E  | 10/17/1931   | 4247     | 0<br>0<br>0    | 15<br>9.625<br>7<br>5 | 215<br>2755<br>3981<br>4237 | 350<br>600<br>325<br>100 | Surf<br>1013<br>1570<br>3970 | Circ<br>Calc<br>CBL<br>Calc | 4058'-4220'<br>GRAYBURG-SAN ANDRES | Well Plugged on 03/05/2019 |



| 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                    |
|--------------|------------------------|-------------|----------|-----------|------------------------|----------|-----|----------|-----|------|------|-------|------|--------------|----------|-----------------|----------------|--------------|------------|---------------|-------------|------------------------------------|----------------------------|
| 30-025-28267 | OCCIDENTAL PERMIAN LTD | NORTH HOBBS | 342      | Injection | Plugged, Site Released | 125      | S   | 2730     | W   | O    | 33   | 18S   | 38E  | 10/12/1983   | 4369     | 12.250<br>7.875 | 8.625<br>5.500 | 1565<br>4380 | 40<br>2000 | Surf<br>Surf  | Circ<br>CBL | 4068'-4256'<br>GRAYBURG-SAN ANDRES | Well Plugged on 02/28/2019 |

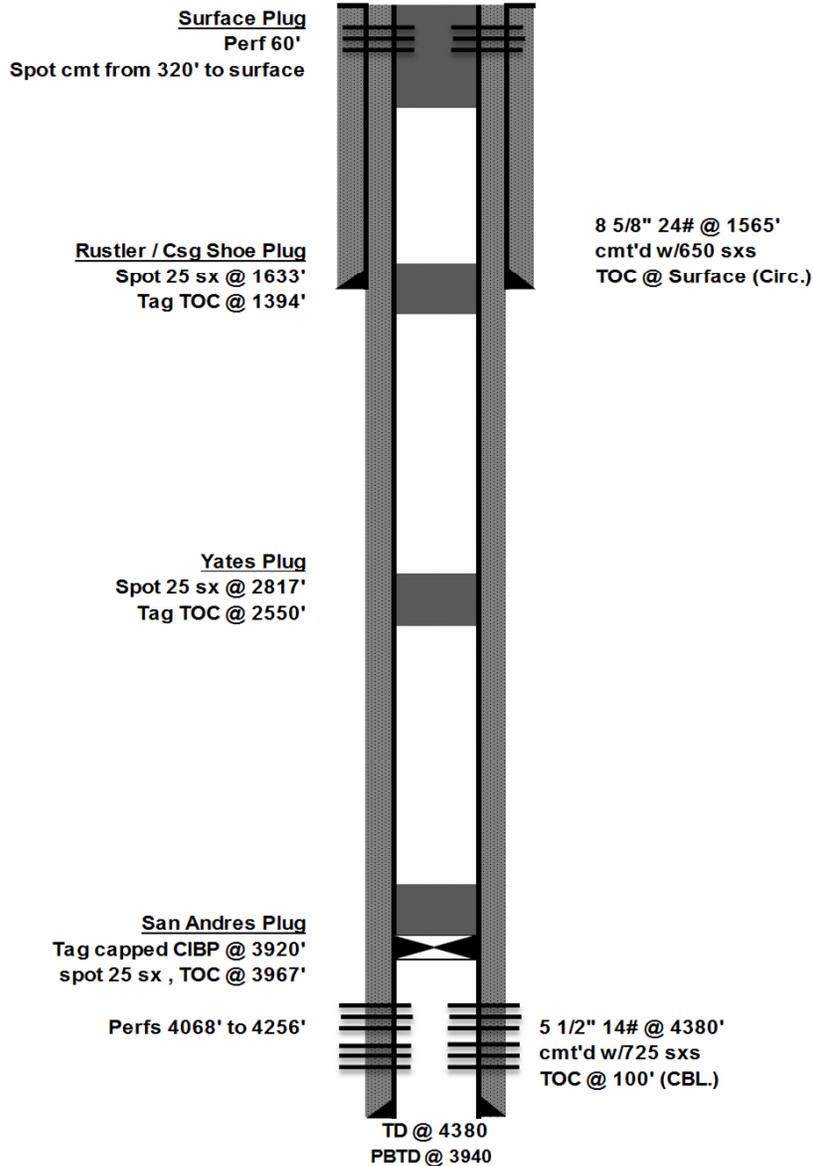


# NHU 33-342

API# 30-025-28267

TWN 18-S; RNG 38-E

Prod- TA



| 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<br>5.500 | 8.625<br>5.500 | 1550<br>4558 | 800<br>1000 | Surf<br>Surf  | Circ<br>Circ | 4275'-4354'<br>GRAYBURG-SAN ANDRES | Well Plugged on 04/11/2014 |

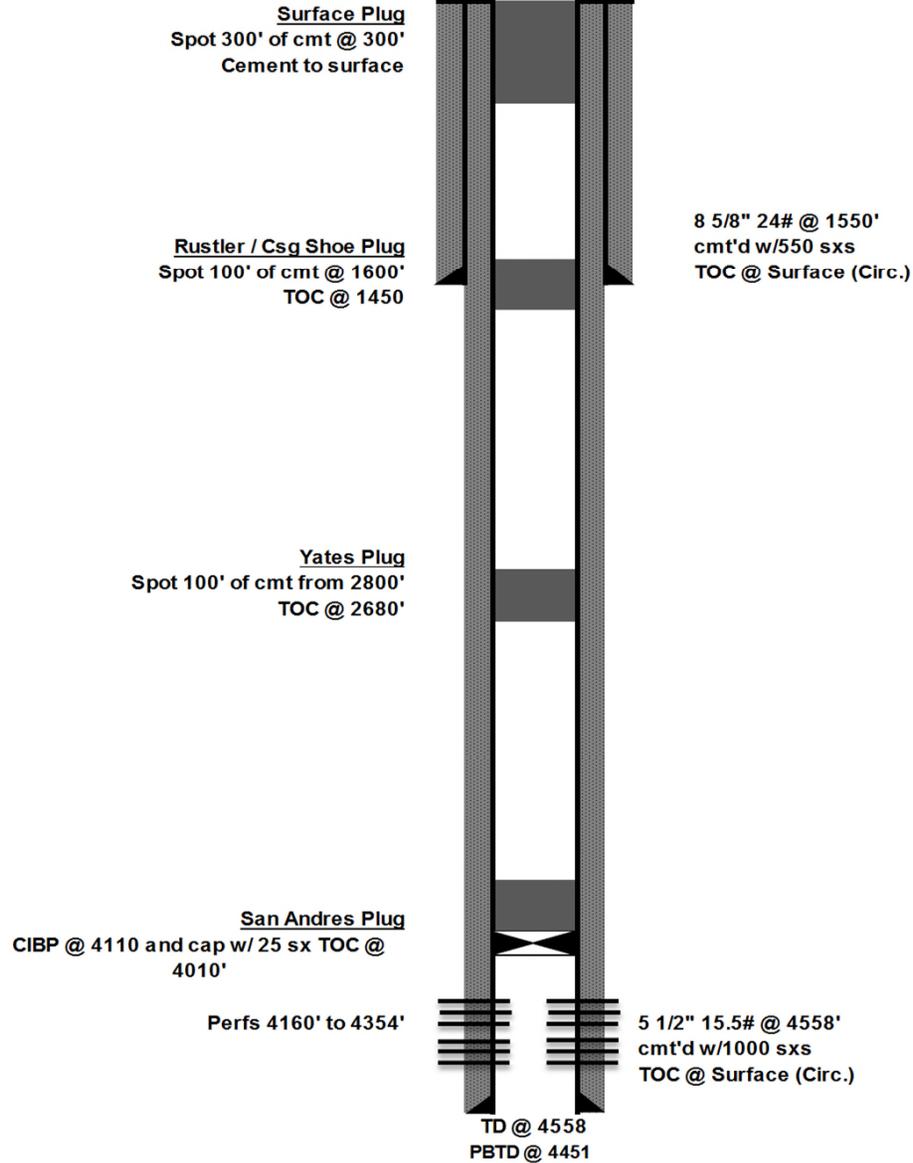


# NHU 33-545

API# 30-025-34416

TWN 18-S; RNG 38-E

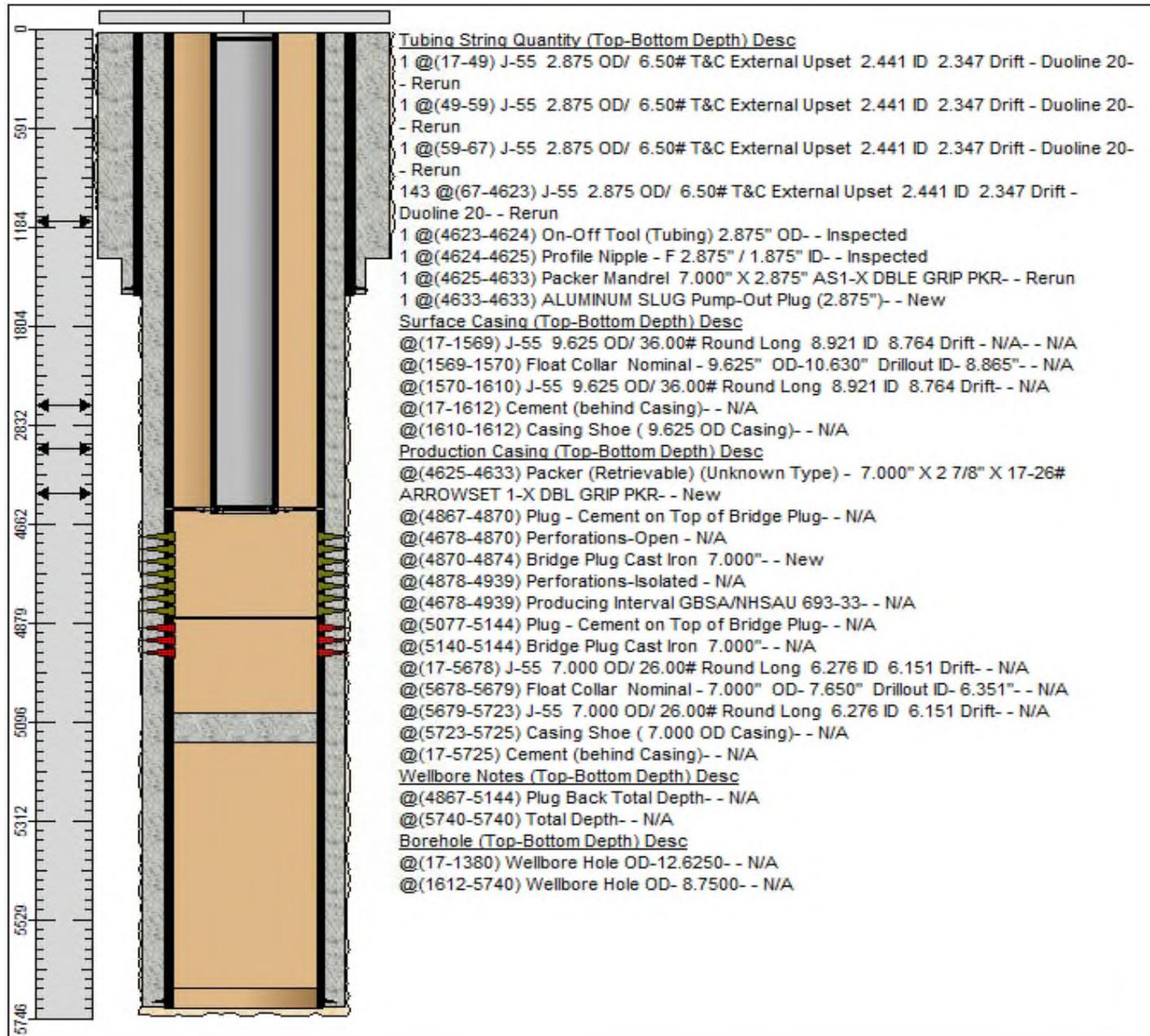
Prod- Active



| 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             |  |
|--------------|------------------------|------------------|----------|-----------|--------|----------|-----|----------|-----|------|------|-------|------|--------------|----------|-----------------|----------------|--------------|-------------|---------------|--------------|-------------|---------------------|--|
| 30-025-43282 | OCCIDENTAL PERMIAN LTD | NORTH HOBBS G/SA | 693      | Injection | Active | 1880     | S   | 1298     | W   | L    | 33   | 185   | 38E  | 6/18/2016    | 5106     | 12.625<br>8.750 | 9.625<br>7.000 | 1569<br>5724 | 630<br>1350 | Surf<br>0     | Calc<br>Calc | 4678'-4939' | GRAYBURG-SAN ANDRES |  |



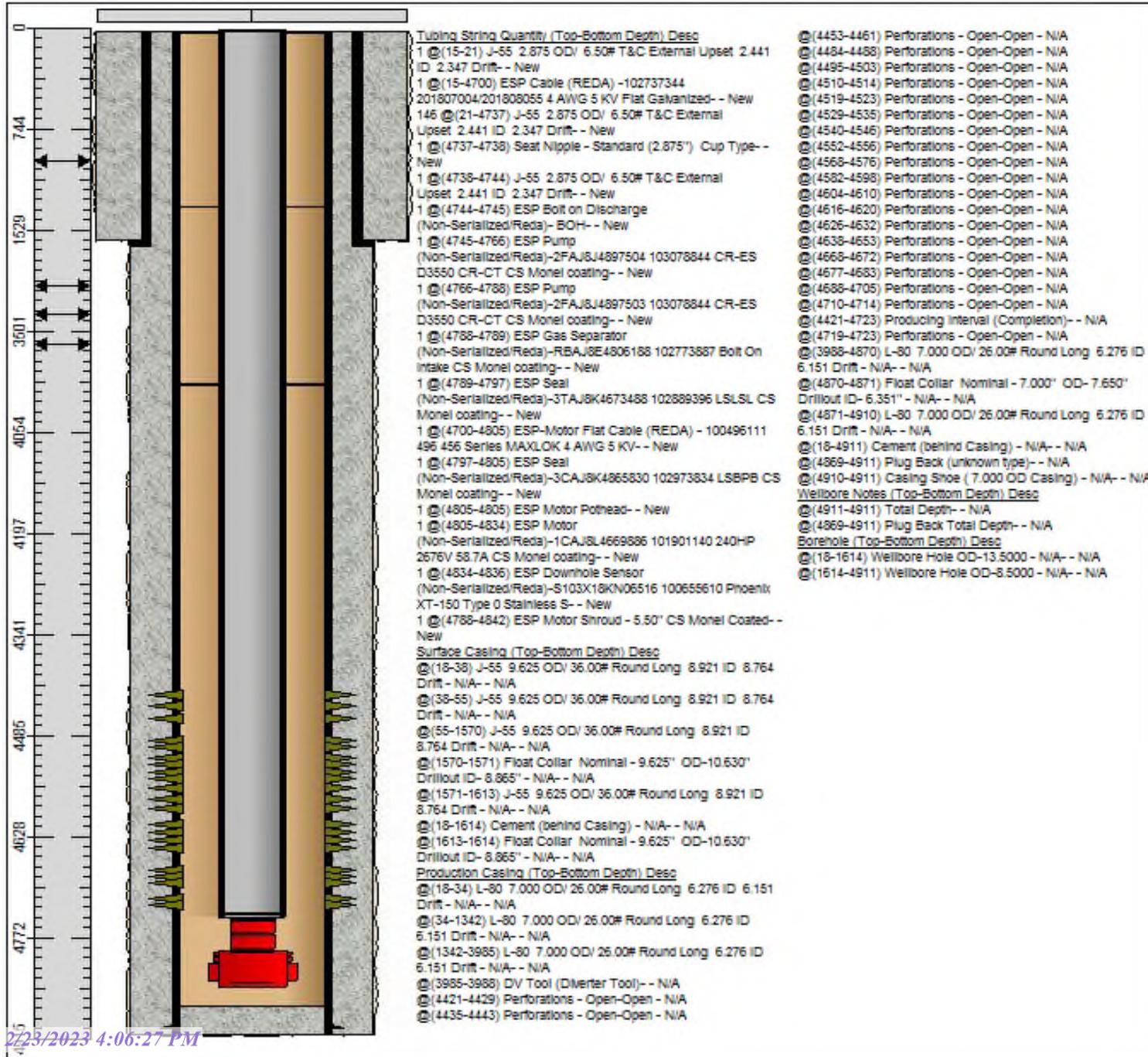
### Wellbore Diagram : NHSAU 693-33



| 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             |                   |
|--------------|------------------------|------------------|----------|-----------|--------|----------|-----|----------|-----|------|------|-------|------|--------------|----------|-----------------|----------------|--------------|-------------|---------------|--------------|-------------|---------------------|-------------------|
| 30-025-44721 | OCCIDENTAL PERMIAN LTD | NORTH HOBBS G/SA | 696      | Oil       | Active | 1298     | S   | 1702     | W   | N    | 33   | 185   | 38E  | 1/8/2019     | 4449     | 13.500<br>8.750 | 9.625<br>7.000 | 1593<br>4911 | 865<br>1155 | Surf<br>0     | Circ<br>Calc | 4421'-4723' | GRAYBURG-SAN ANDRES | DV tool at 3,987' |



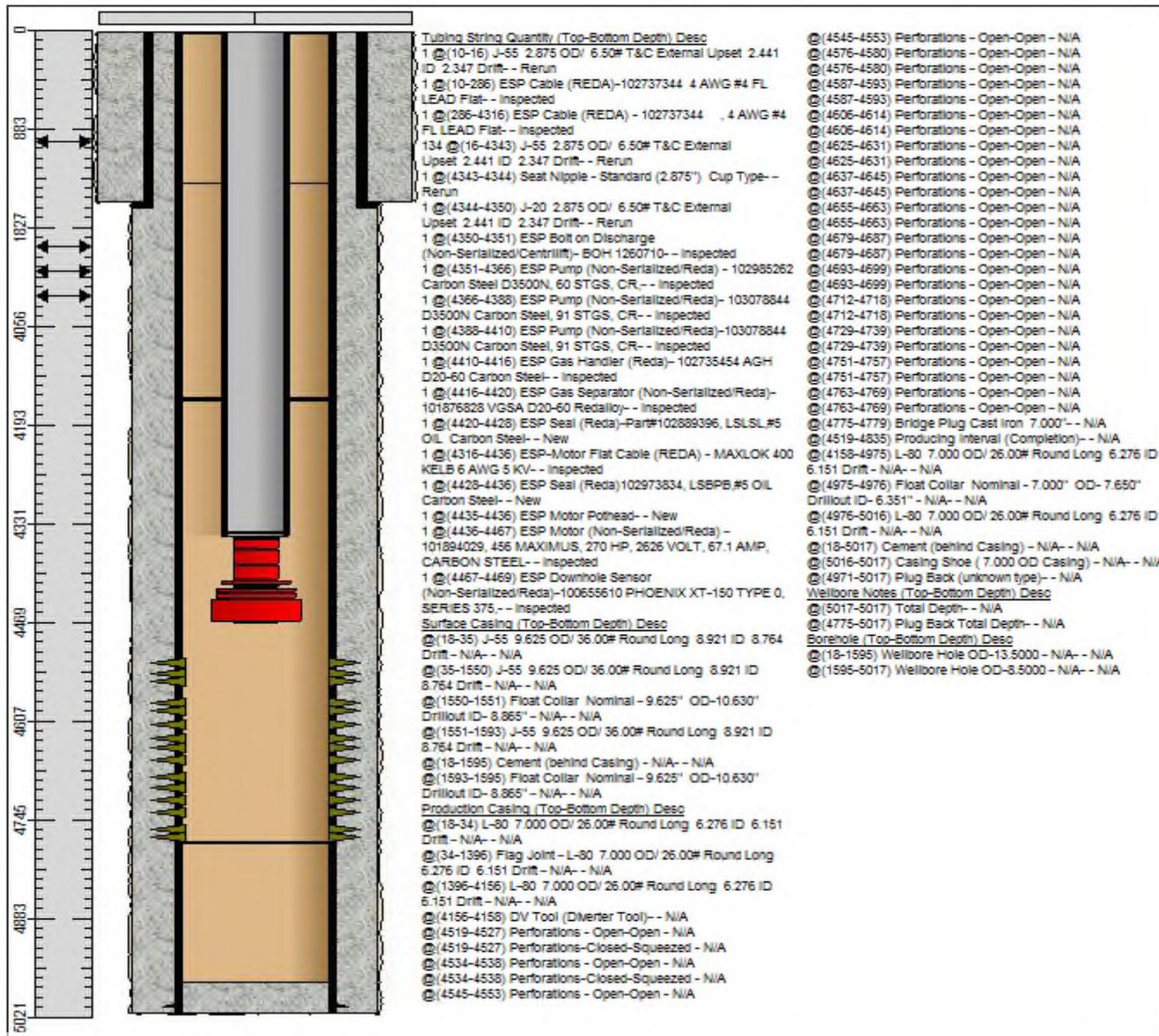
### Wellbore Diagram : NNSAU 696-33



| 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             |                   |
|--------------|------------------------|------------------|----------|-----------|--------|----------|-----|----------|-----|------|------|-------|------|--------------|----------|-----------------|----------------|--------------|------------|---------------|--------------|-------------|---------------------|-------------------|
| 30-025-44720 | OCCIDENTAL PERMIAN LTD | NORTH HOBBS G/SA | 697      | Oil       | Active | 1248     | S   | 1702     | W   | N    | 33   | 185   | 38E  | 1/15/2019    | 4469     | 13.375<br>8.750 | 9.625<br>7.000 | 1595<br>5017 | 865<br>835 | Surf<br>0     | Circ<br>Calc | 4519'-4835' | GRAYBURG-SAN ANDRES | DV tool at 4,158' |



### Wellbore Diagram : NNSAU 697-33



| 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                    |
|--------------|------------------------|-------------|----------|-----------|------------------------|----------|-----|----------|-----|------|------|-------|------|--------------|----------|----------------|----------------|--------------|-------------|---------------|--------------|------------------------------------|----------------------------|
| 30-025-35011 | OCCIDENTAL PERMIAN LTD | NORTH HOBBS | 734      | Oil       | Plugged, Site Released | 511      | S   | 2275     | E   | O    | 33   | 185   | 38E  | 5/14/2000    | 4343     | 12.25<br>7.875 | 8.625<br>5.500 | 1543<br>4383 | 700<br>1000 | Surf<br>Surf  | Circ<br>Circ | 4095'-4283'<br>GRAYBURG-SAN ANDRES | Well Plugged on 03/06/2019 |

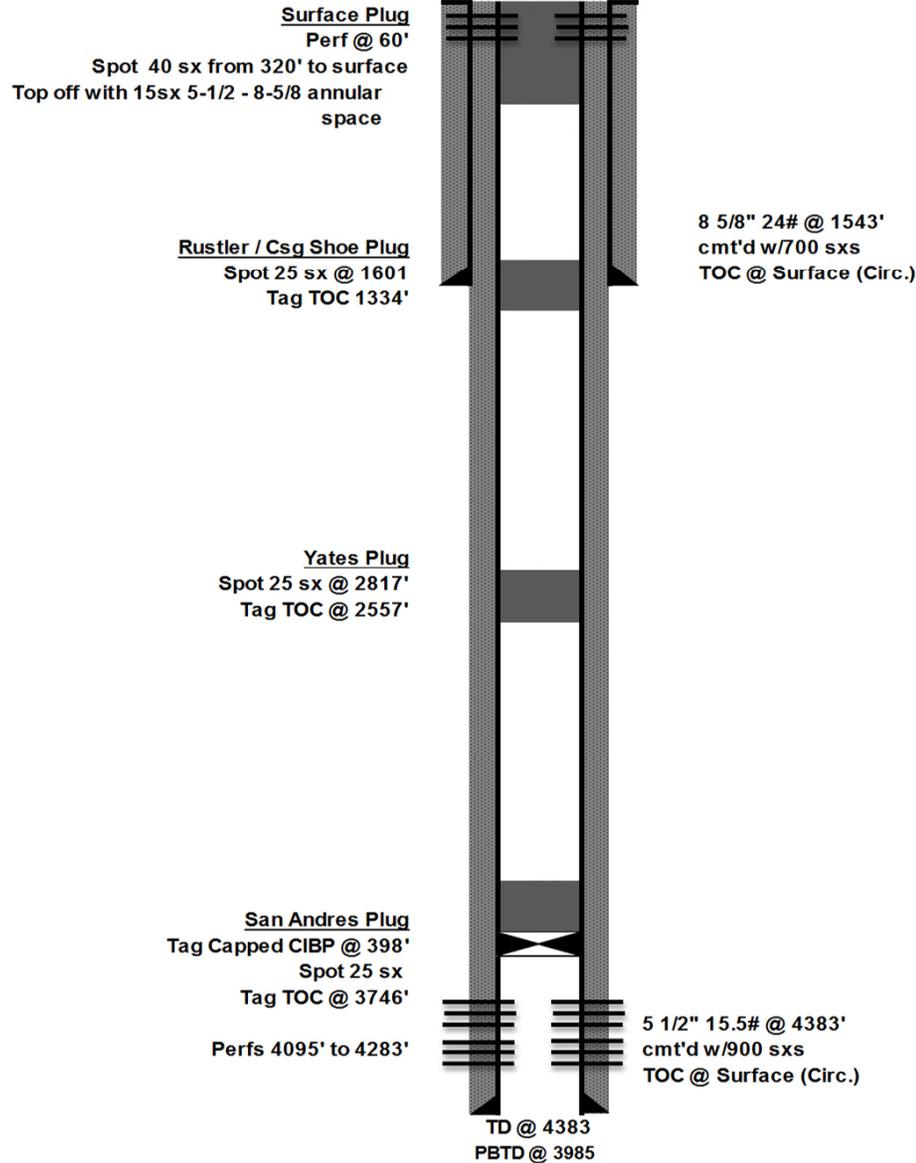


# NHU 33-734

API# 30-025-35011

TWN 18-S; RNG 38-E

Prod- TA



**Surface Plug**  
Perf @ 60'  
Spot 40 sx from 320' to surface  
Top off with 15sx 5-1/2 - 8-5/8 annular space

**Rustler / Csg Shoe Plug**  
Spot 25 sx @ 1601  
Tag TOC 1334'

**Yates Plug**  
Spot 25 sx @ 2817'  
Tag TOC @ 2557'

**San Andres Plug**  
Tag Capped CIBP @ 398'  
Spot 25 sx  
Tag TOC @ 3746'

Perfs 4095' to 4283'

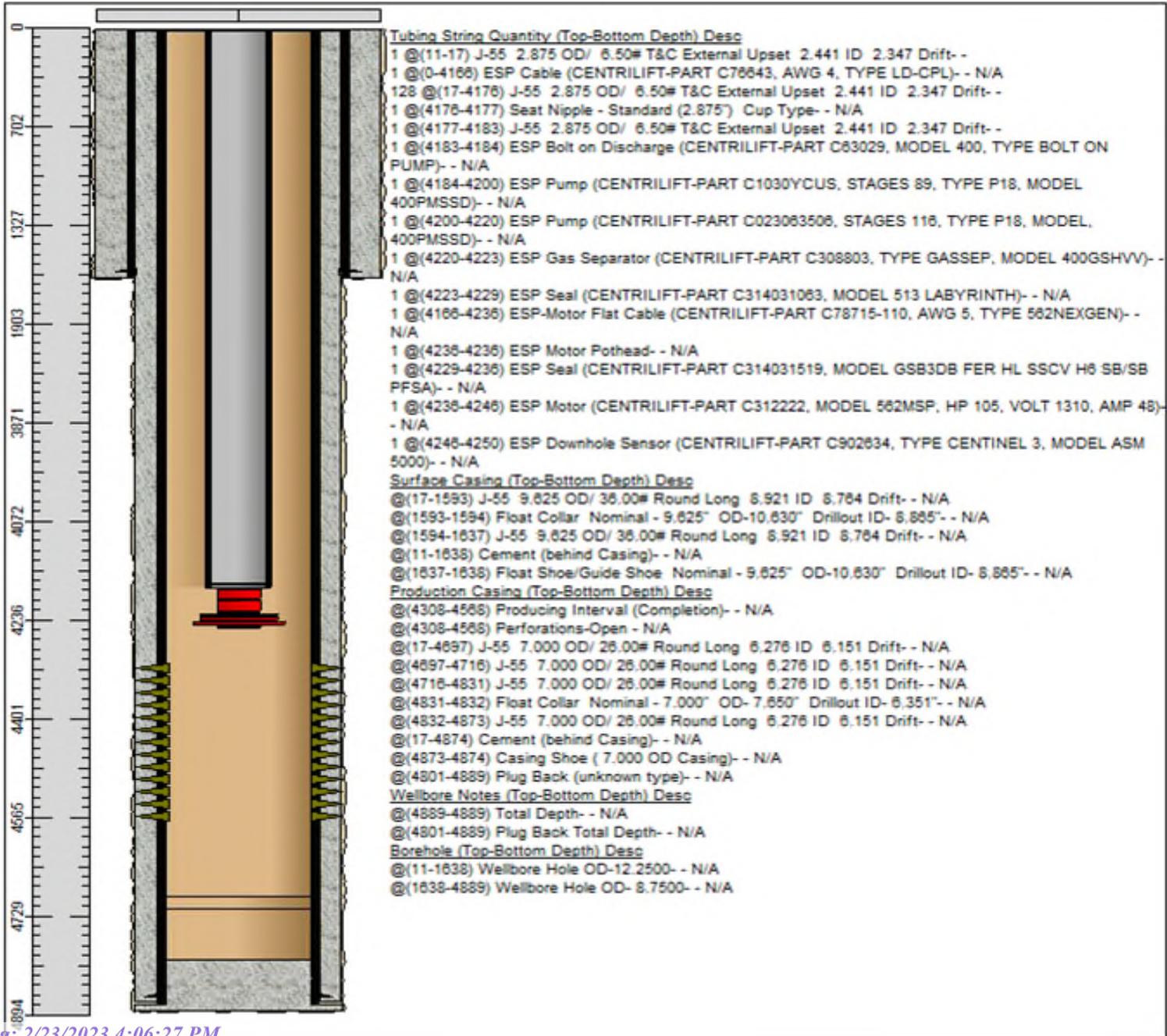
5 1/2" 15.5# @ 4383'  
cmt'd w/900 sxs  
TOC @ Surface (Circ.)

TD @ 4383  
PBD @ 3985

| 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<br>8.75 | 9.625<br>7.000 | 1638<br>4859 | 650<br>1010 | Surf<br>Circ  | Circ | 4308'-4568'<br>GRAYBURG-SAN ANDRES | DV Tool at 3,779' |



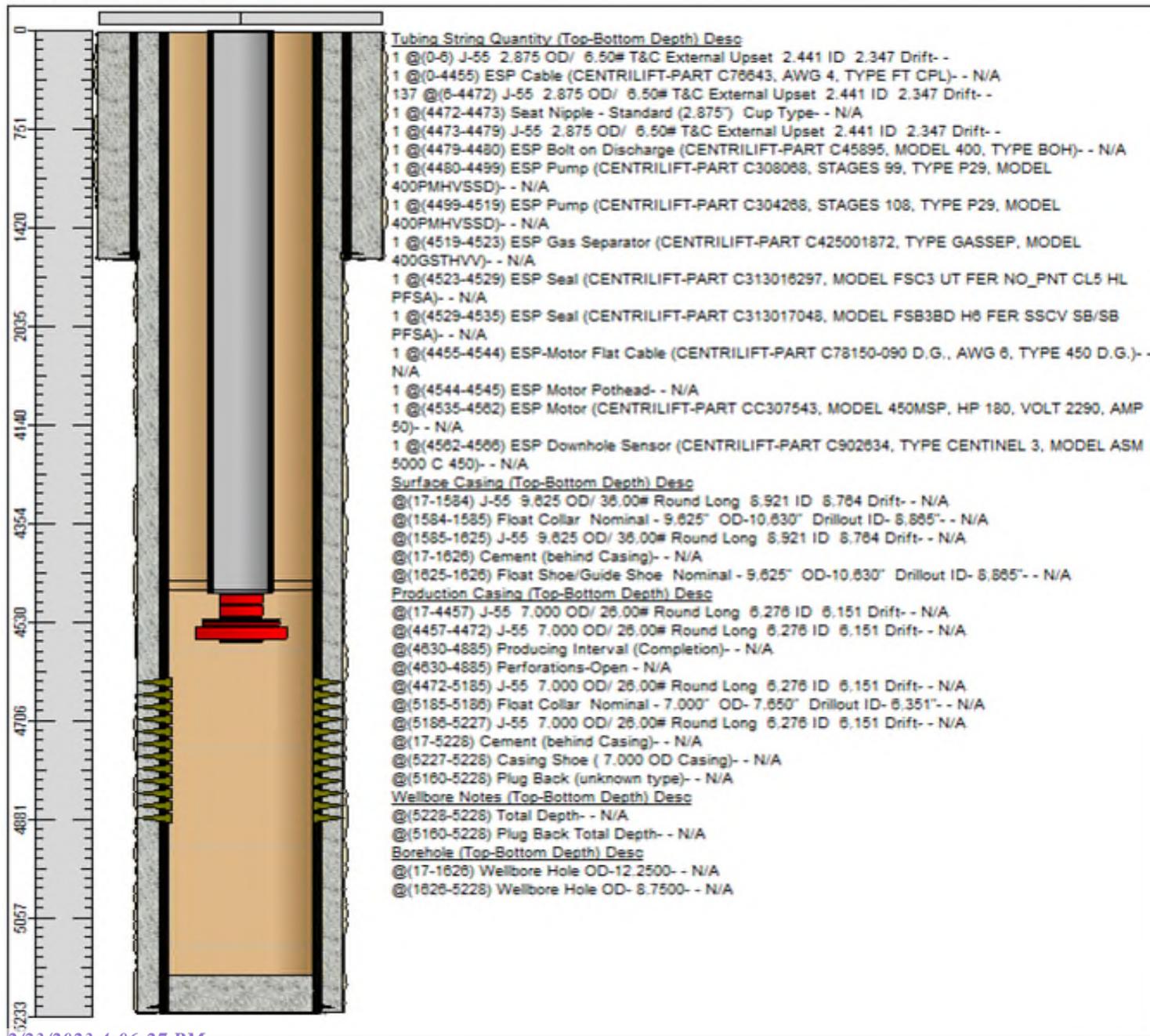
### Wellbore Diagram : NNSAU 948-33



| 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<br>8.750 | 9.625<br>7.000 | 1626<br>5228 | 650<br>940 | Surf<br>Surf  | Circ<br>Circ | 4630'-4885' | GRAYBURG-SAN ANDRES | DV tool at 4,020' |



### Wellbore Diagram : NNSAU 949-33



**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
 Action 26209

**CONDITIONS**

|   |  |
|---|--|
| Operator:<br>OCCIDENTAL PERMIAN LTD<br>P.O. Box 4294<br>Houston, TX 772104294 | OGRID:<br>157984                                     |
|   | Action Number:<br>26209                              |
|   | Action Type:<br>[C-108] Fluid Injection Well (C-108) |

**CONDITIONS**

| Created By    | Condition | Condition Date |
|---------------|-----------|----------------|
| mgebremichael | None      | 2/23/2023      |