

AE Order Number Banner

Application Number: pMSG2334739870

PMX-325

OCCIDENTAL PERMIAN LTD [157984]



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

October 30, 2023

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. 341; API 30-025-07445
Lea County, NM

Occidental Permian Ltd. respectfully requests administrative approval without hearing, to commence injection (water, CO₂, and produced gas) per the authorized Order No. R-6199-F. The H₂S contingency plan which covers both North and South Hobbs Units will be updated to reflect this change.

In support of this request, please find the following documentation:

- Administrative Application Checklist
- Form C-108 with required data attached
- Injection Well Data Sheet with Wellbore Schematic
- Form C-102
- AOR Map

Per R-6199-F Paragraph 3 on page 9, “(...) *Application for approval of additional injection wells in the expanded Phase I Area of the North Hobbs Unit shall be filed in accordance with NMAC 19.15.26.8 and may be approved administratively by the Division Director without Notice and hearing.*” The injector in this application is located within the expanded Phase I Area of the North Hobbs Unit.

If you have any questions regarding this application, please contact me at 713-215-7827 or email roni_mathew@oxy.com.

Sincerely,

Roni Mathew

Roni Mathew
Regulatory Advisor

DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.
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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 Additional Injector within approved project area (R-6199-G)A

[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.

Roni Mathew
 Print or Type Name

Roni Mathew
 Signature

Regulatory Advisor
 Title

10/19/2023
 Date

roni_mathew@oxy.com
 e-mail Address

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 X Pressure Maintenance _____ Disposal _____ Storage
Application qualifies for administrative approval? X Yes _____ No
- II. OPERATOR: OCCIDENTAL PERMIAN LTD
ADDRESS: P.O. Box 4294 Houston, TX 77210-4294
CONTACT PARTY: Roni Mathew PHONE: 713-215-7827
- 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? X 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: Roni Mathew TITLE: Regulatory Advisor
SIGNATURE: Roni Mathew DATE: 10/19/2023
E-MAIL ADDRESS: roni_mathew@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.

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 G/SA Unit No. 341
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: Roni Mathew, 713-215-7827
- III. Injection well data sheet and wellbore schematic has been attached for NORTH HOBBS G/SA UNIT No. 341
- 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 #341" 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 listed below:

API	Well Name	Operator	Status after Jan 2014
30-025-35914	BOWERS A FEDERAL 044	TEXLAND PETROLEUM-HOBBS, LLC	PLUGGED
30-025-23022	BOWERS A FEDERAL #028	TEXLAND PETROLEUM-HOBBS, LLC	PLUGGED
30-025-07522	W D GRIMES NCT-A 004	TEXLAND PETROLEUM-HOBBS, LLC	PLUGGED
30-025-07520	NORTH HOBBS G/SA UNIT 221	OCCIDENTAL PERMIAN LTD	PLUGGED
30-025-23173	STATE 1-29 005	TEXLAND PETROLEUM-HOBBS, LLC	PLUGGED
30-025-37349	STATE A 011Y	OXY USA WTP LIMITED PARTNERSHIP	PLUGGED
30-025-23116	STATE A 005	Contango Resources, Inc.	PLUGGED
30-025-23252	STATE 1-29 006	TEXLAND PETROLEUM-HOBBS, LLC	PLUGGED

- The wellbore diagrams, their tabulated data, and the area of review map are attached.
- VII. Proposed Operation
 1. Average Injection Rate 3,000 BWPD / 10,000 MCFGPD
Maximum Injection Rate 8,000 BWPD / 20,000 MCFGPD
 - 2 This will be a closed system.
 3. Average Surface Injection Pressure 1,300 PSIG
Maximum Surface Injection Pressure
 Produced Water 1,150 PSIG
 CO2 1,250 PSIG
 CO2 w/produced gas 1,650 PSIG
 (In accordance with Order No. R-6199-F, 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.

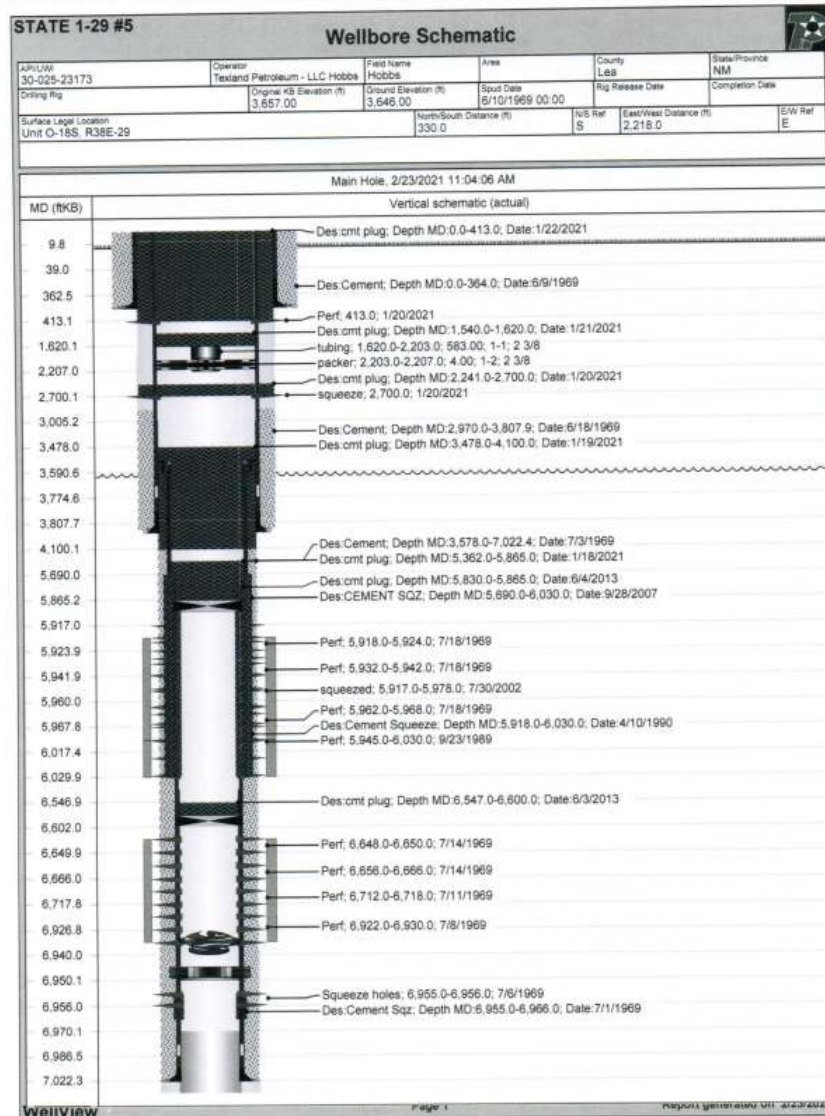
- IX. This is Acid stimulate well with ~4,000 gal 15% HCL. Max rate = 4-5 BPM. Flush acid with ~200 bbls off fresh water.
- X. Logs were filed at the time of drilling.
- XI. Water analysis from 72697 Going Lane Office and 72700 NMOCD Sprinkler and their location map are included with the application.

WATER WELL NAME	LAT	LONG	Date Collected
72697 Going Lane Office	32°42'18.86"N	103°11'01.82"W	10/31/2013
72700 NMOCD Sprinkler	32°43'05.88"N	103°09'44.88"W	10/24/2013

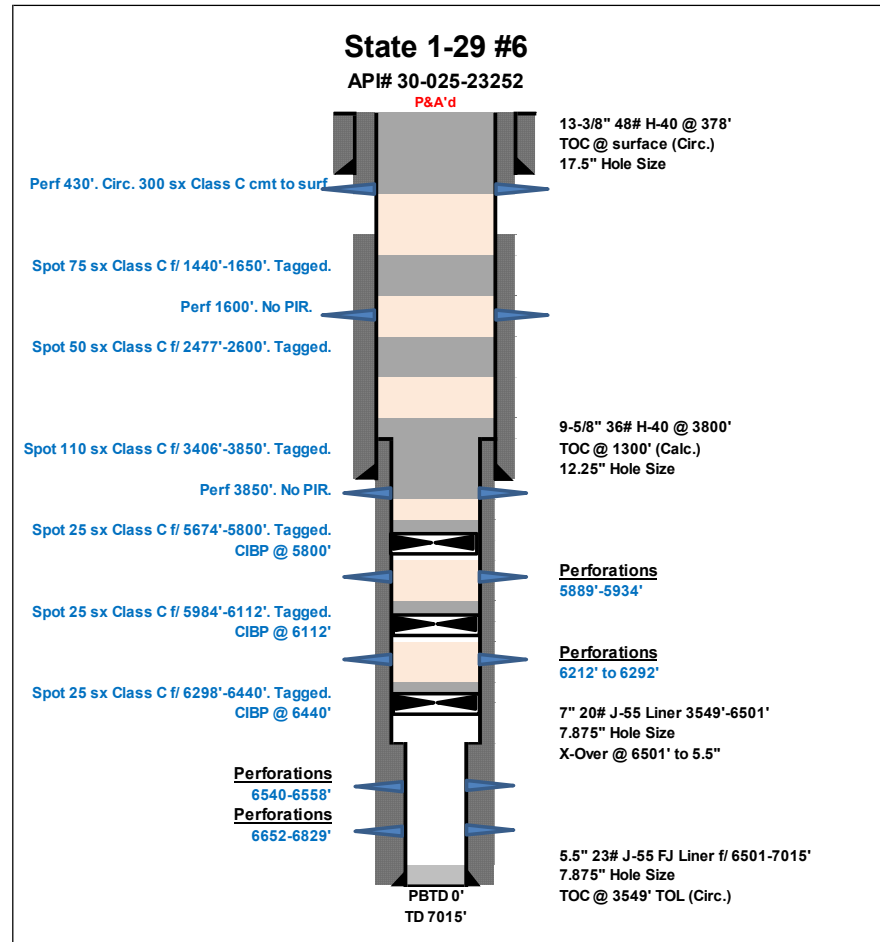
- XII. N/A. This is a pressure maintenance project, not a disposal well.
- XIII. Order No. R-6199-F allows the administrative approval, from the Division Director, of additional injection wells without notice and hearing. Notices to producers and surface owners for the water/CO2 flood area were provided at the time of the application and hearing for Order No. R-6199-F.

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)
30-025-23173	TEXLAND PETROLEUM-HOBBS, LLC	STATE 1-29	005	Oil	Plugged, Site Released	330	S	2218	E	O	29	18S	38E	6/10/1969	7025

HOLE SIZE (in)	CSG. SIZE (in)	SET AT (ft)	SX. CMT.	CMT. TOP (ft)	MTD.	COMPLETION	REMARKS
15	11.75	364	370	Surf	Circ	6648-6930	Well Plugged on 1/25/2021
11	8.625	3808	300	Surf	Circ	HOBBS; UPPER BLINEBRY	
7.875	5.5	7022	530	Surf	Circ		



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	
30-025-23252	TEXLAND PETROLEUM-HOBBS, LLC	STATE 1-29	006	Oil	Plugged, Site Released	330	S	660	E	P	29	18S	38E	8/22/1969	7015	17.5	13.375	378	400	Surf	Circ	6540'-6829'	Well Plugged on 07/19/2021	
																12.25	9.625	3800	600	1300				Calc
																7.875	7 x 5-1/2	3549-7015	700	3549				Circ
HOBBS; UPPER BLINEBRY																								



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)
30-025-23116	Contango Resources, LLC	STATE A	005	Oil	Plugged, Site Released	660	N	660	E	A	32	18S	38E	4/24/1969	8044

HOLE SIZE (in)	CSG. SIZE (in)	SET AT (ft)	SX. CMT.	CMT. TOP (ft)	MTD.	COMPLETION	REMARKS
15	11.750	381	400	Surf	Circ	6674-6936	Well Plugged on 5/8/2018
11	8.625	3798	590	2800	Est	HOBBS; LOWER BLINEBRY	
7.875	7.000	3701	150		Est		
7.875	5.500	7000	351	3701	CBL		

LEASE/WELL: STATE A No. 5
LOCATION 660' FN&ESL
UL A SEC 32 T18S R38E

GR 3649
KB 3660
CORR 11

CO/ST: LEA CO, NM
ST LEASE A-1469

SPUDED 4/24/1969 LEATHERWOOD DRLG
COMPLETED 5/27/1969 AMERADA HESS CORP

FIELD: HOBBS DRINKARD
POOL DRINKARD 31730
BLINEBRY 31650

PERMIT DHC 12/12/2000 0041

API NO. 30-025-23116
PRORATION UT 80 ACRES

LAT (27) 32.7093391
LONG (27) -103.164169

AFTER P&A

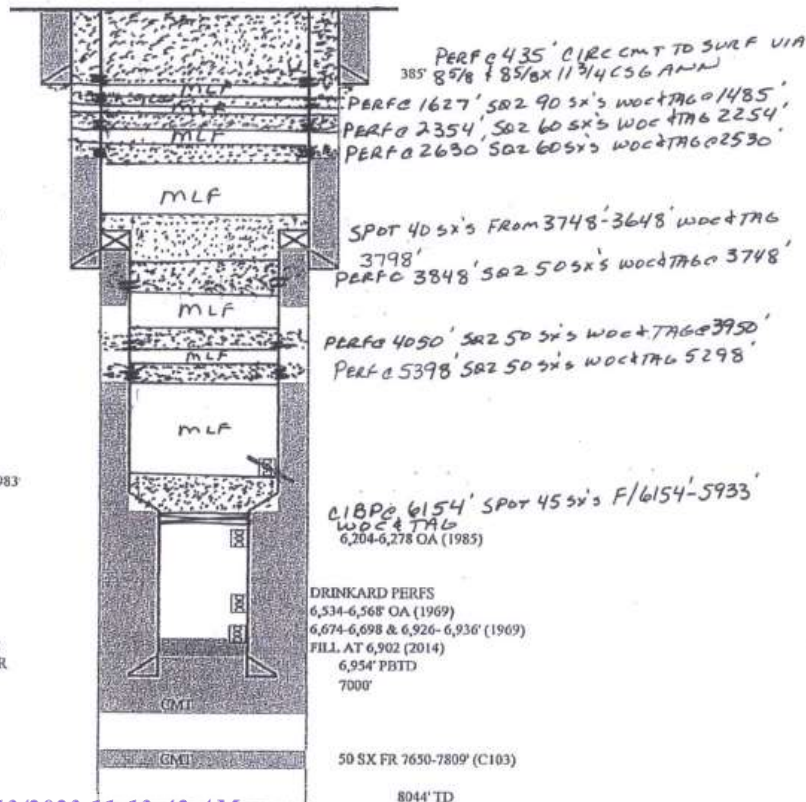
15" HOLE
11 3/4" 31.2#
W/ 400 X CIRC

7" LINER TOP 3701'
8 5/8" 24 & 32# J-55
W/ 590SX

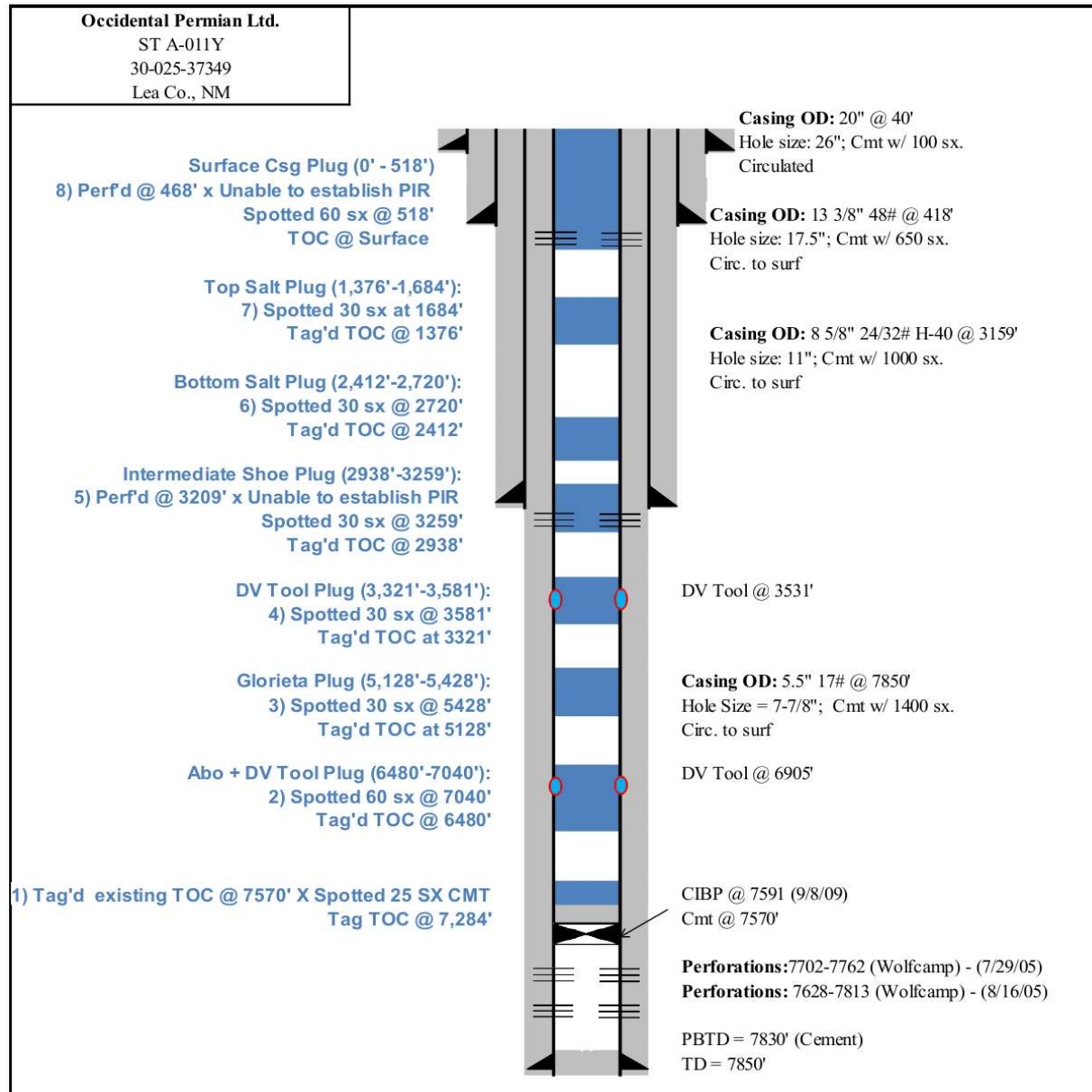
7 7/8" HOLE

5 1/2" LINER TOP 5983'

7" 23# J-55 LINER &
5 1/2" 17# J-55 LINER
W/ 451 SX

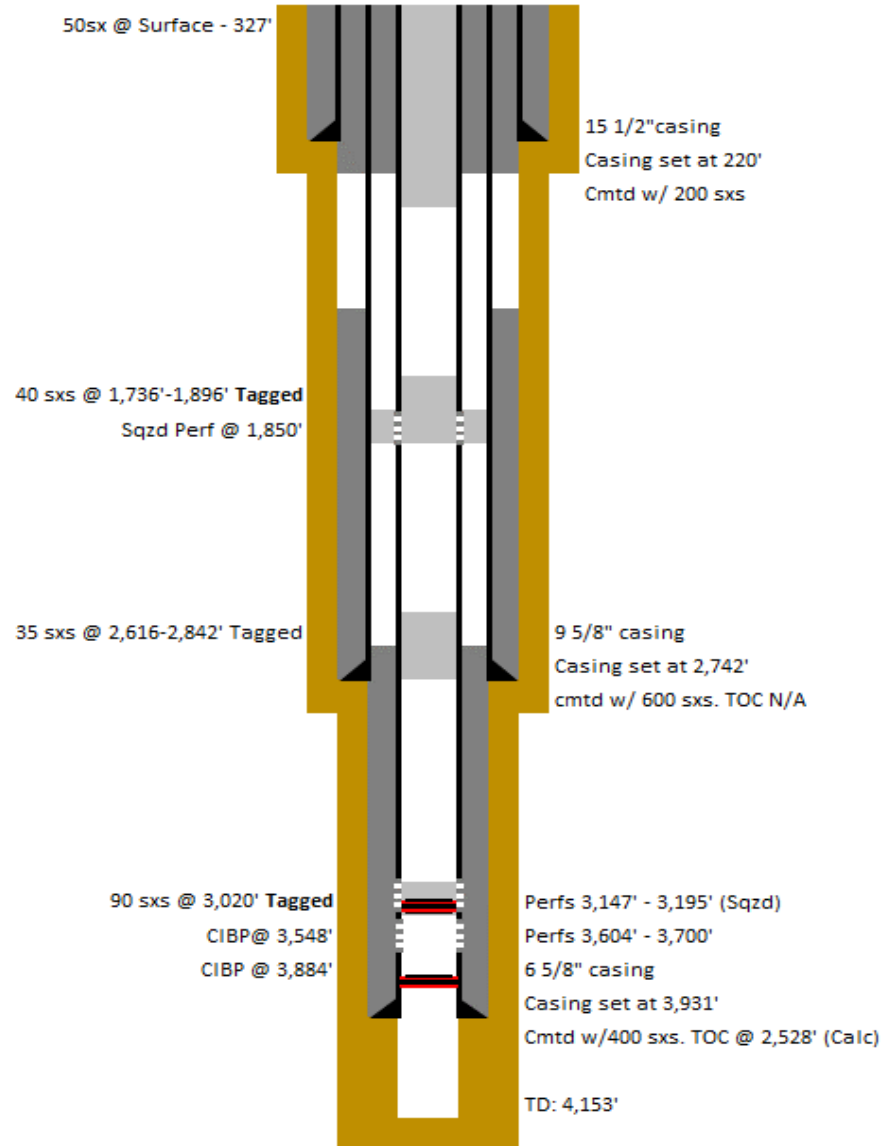


API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TVD (ft)	HOLE SIZE (in)	CSG. SIZE (in)	SET AT (ft)	SX. CMT.	CMT. TOP (ft)	MTD.	COMPLETION	REMARKS
30-025-37349	OXY USA WTP LIMITED PARTNERSHIP	STATE A	011Y	Oil	Plugged, Not Released	1484	S	1526	E	J	29	18S	38E	7/2/2005	7850	17.500 11.000 7.500	13.375 8.625 5.500	418 3159 7850	650 1000 1400	Surf Surf Surf	0 0 0	7702'-7762' WOLF CAMP	Well Plugged on 8/31/2022



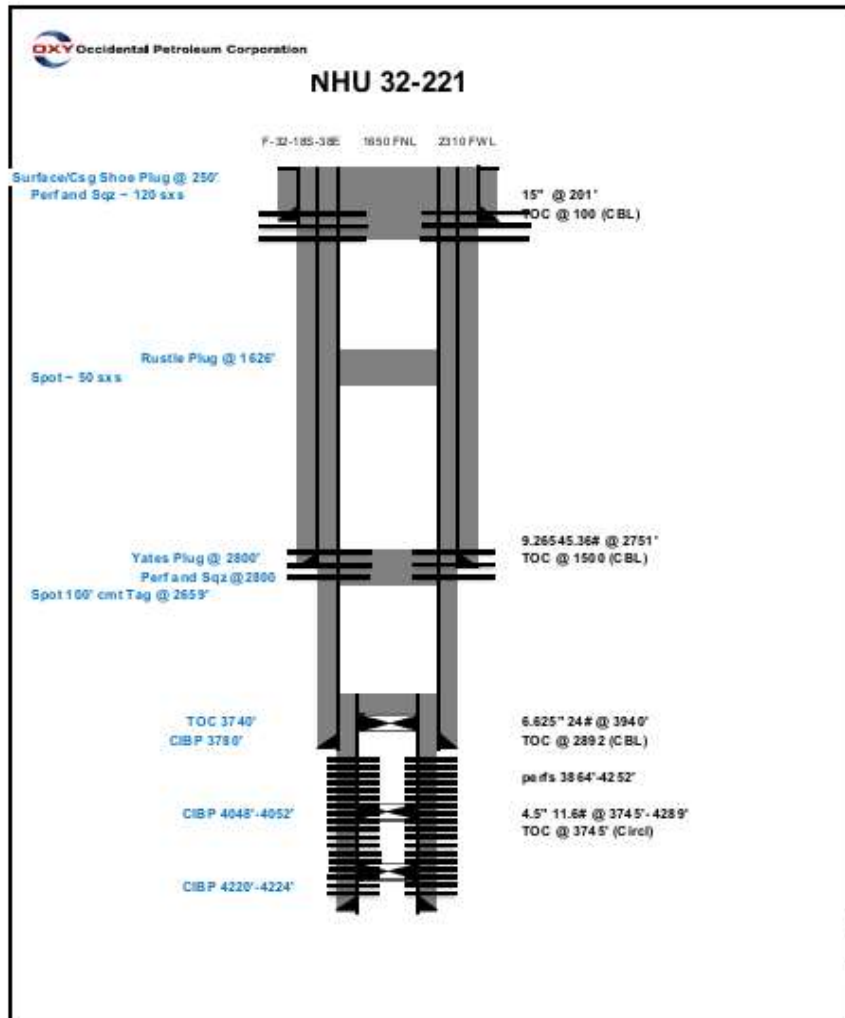
API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TVD (ft)	HOLE SIZE (in)	CSG. SIZE (in)	SET AT (ft)	SX. CMT.	CMT. TOP (ft)	MTD.	COMPLETION	REMARKS
30-025-07522	TEXLAND PETROLEUM HOBBS, LLC	W D GRIMES NCT-A	004	Gas	Plugged, Site Released	330	N	2,310	W	C	32	18S	38E	7/16/1930	4,153'	N/A N/A	15 1/2" 9 5/8" 6 5/8"	220' 2,742' 3,391'	200 600 400	Surface N/A 2,528'	Calc Calc Calc	3,604' - 3,700' BYERS; QUEEN (GAS)	Well file does not indicate hole size. Well was plugged and abandoned on 5/27/2017 and the site has been released

W.D. Grimes NCT-A #4
 330' FNL 2,310' FWL, SEC 32, T-18S, R-38E
 LEA COUNTY, NEW MEXICO
 API# 30-025-07522



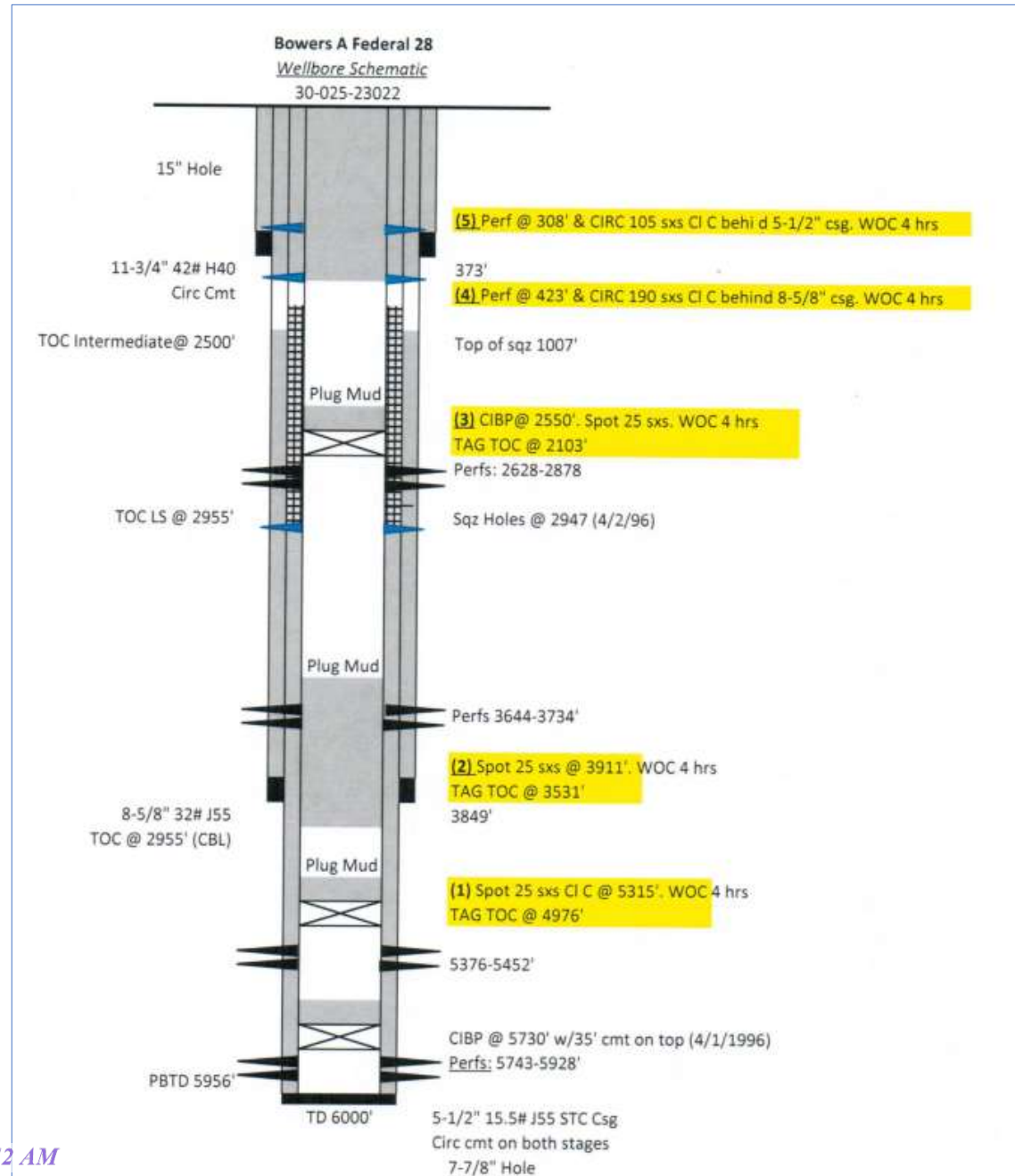
API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TVD (ft)
30-025-07520	OCCIDENTAL PERMIAN LTD	NORTH HOBBS G/SA UNIT	221	Oil	Plugged, Not Released	1650	N	2310	W	F	32	18S	38E	N/A	4290

HOLE SIZE (in)	CSG. SIZE (in)	SET AT (ft)	SX. CMT.	CMT. TOP (ft)	MTD.	COMPLETION	REMARKS
	15.500	201	200	Surf	Circ	3876-4252	Well Plugged on 10/20/2021
	9.625	2751	600	Surf	Circ	HOBBS; GRAYBURG-SAN ANDRES	
	6.625	3940	200	Surf	Circ		
	4.500	4289	75	3748	CBL		



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)
30-025-23022	TEXLAND PETROLEUM-HOBBS, LLC	BOWERS A FEDERAL	28	OIL	Plugged, Site Released	660	S	990	W	M	29	18S	38E	3/12/1969	6020

HOLE SIZE (in)	CSG. SIZE (in)	SET AT (ft)	SX. CMT.	CMT. TOP (ft)	MTD.	COMPLETION	REMARKS
15	11.750	374	300	Surf	Circ.	5376'-5452'	Well Plugged on 8/8/2023
11	8.625	3850	500	Surf	Circ.	HOBBS UPPER BLINEBRY	
7.875	5.500	5989	450	Surf	Circ.		



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Page 15 of 20

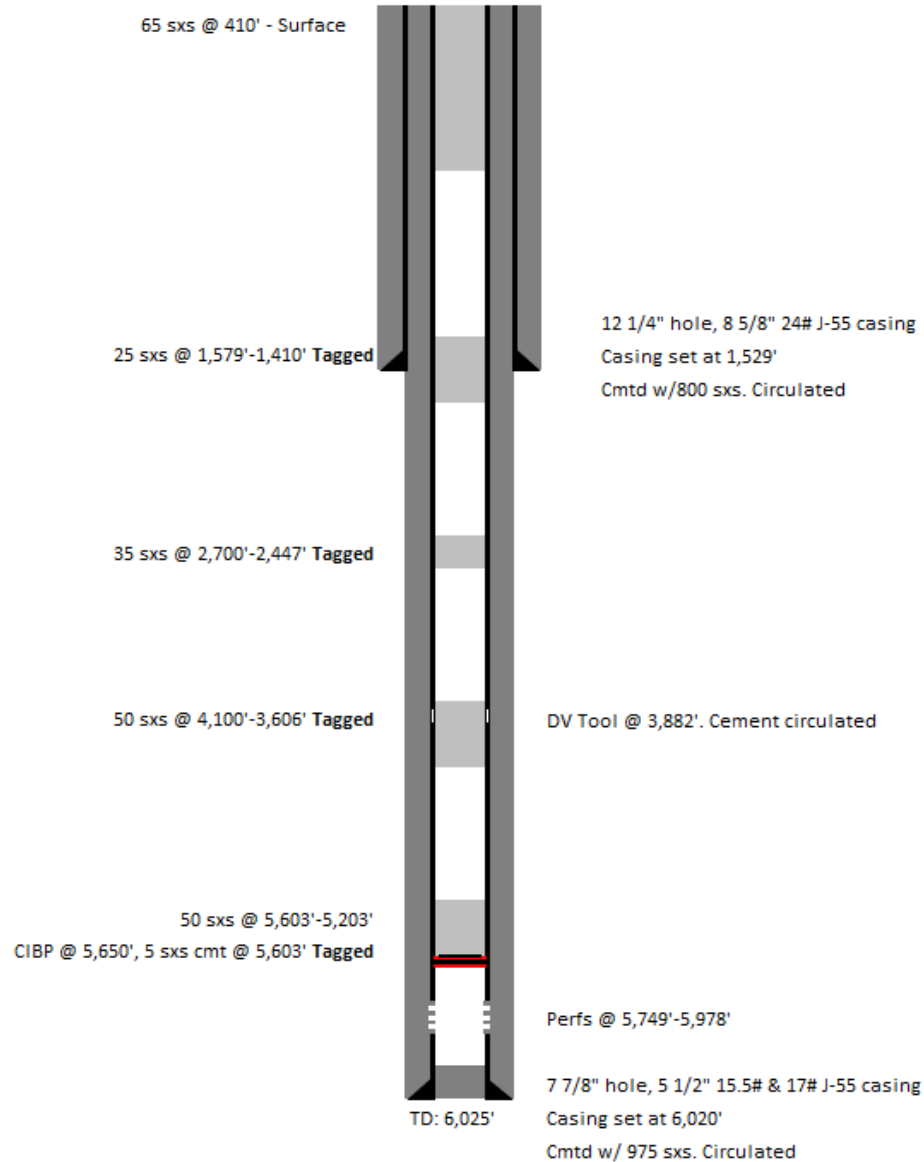
API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TVD (ft)	HOLE SIZE (in)	CSG. SIZE (in)	SET AT (ft)	SX. CMT.	CMT. TOP (ft)	MTD.	COMPLETION	REMARKS
30-025-35914	TEXLAND PETROLEUM-HOBBS, LLC	BOWERS A FEDERAL	044	Oil	Plugged, Site Released	719	S	800	W	M	29	18S	38E	37413	6020	12.25 7.875	8.625 5.5	1529 6020	800 975	Surf Surf	Circ Circ	5749'-5978' GRAYBURG-SAN ANDRES	Well Plugged on 02/29/2020

Bowers A Federal #44

719' FSL 800' FWL, SEC 29, T-18S, R-38E

LEA COUNTY, NEW MEXICO

API# 30-025-35914



Side 1

INJECTION WELL DATA SHEET

OPERATOR: OCCIDENTAL PERMIAN LTD

WELL NAME & NUMBER: North Hobbs G/SA Unit #341

WELL LOCATION: 342 FSL, 2311 FEL	O	29	18S	38E
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

See attached

Hole Size: 17" Casing Size: 13.375"

Cemented with: 150 sx. or ft³

Top of Cement: Surface Method Determined: Calc.

Intermediate Casing

Hole Size: 12.25" Casing Size: 9.625"

Cemented with: 700 sx. or ft³

Top of Cement: 1378' Method Determined: Calc.

Production Casing

Hole Size: 8.75" Casing Size: 7.0"

Cemented with: 300 sx. or ft³

Top of Cement: 3430' Method Determined: CBL

Total Depth: 3934'

Injection Interval

4069' feet to 4216' (Perforated)

(Perforated or Open Hole; indicate which)

Liner1 Hole Size = 6.125"
 Liner1 Casing Size = 5"
 Liner1 Cmt = 350 sx
 Liner1 TOC = Surface
 Liner1 TOC Method = Circ.
 Liner1 Top = 0'
 Liner1 Btm = 4162'

Liner2 Hole Size = 4.5"
 Liner2 Casing Size = 4"
 Liner2 Cmt = 25 sx
 Liner2 TOC = 3804'
 Liner2 TOC Method = Calc.
 Liner2 Top = 3804'
 Liner2 Btm = 4230'

Side 2

INJECTION WELL DATA SHEETTubing Size: 2.875" Lining Material: IPC or Duoline (fiberglass)Type of Packer: 5" Arrowset 1-X Dbl GripPacker Setting Depth: approx. 4000'Other Type of Tubing/Casing Seal (if applicable): NAAdditional 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: Grayburg/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) @ 280' TVDSS

Glorieta @ -1700' TVDSS

Current WBD



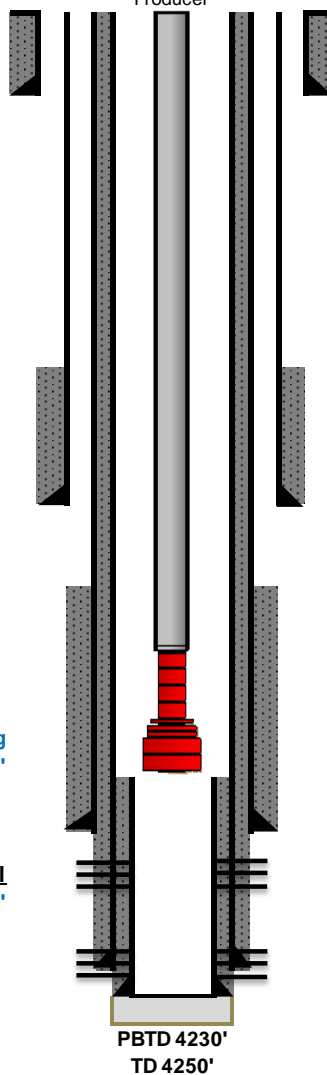
Occidental Petroleum Corporation

NHU 29-341

API# 30-025-07445

TWN 18-S; RNG 38-E

Producer



13-3/8" 54.5 lb/ft @ 238'
Cmt'd with 150 sx
TOC @ Surface (Calc.)
17" Hole Size

9-5/8" 36 lb/ft @ 2757'
Cmt'd with 700 sx
TOC @ 1378' (Calc.)
12.25" Hole Size

2-3/8" 4.7 lb/ft J-55 Tubing
ESP DH Sensor @ 3790'

Gross Production Interval
4069' to 4216'

7" 24 lb/ft @ 3954'
Cmt'd with 300 sx
TOC @ 3430' (CBL)
8.75" Hole Size

5" Liner f/ 0'-4162'
Cmt'd with 350 sx
TOC @ Surface (Circ.)
6.125" Hole Size

4" Liner f/ 3804-4230'
Cmt'd with 25 sx
TOC @ 3804' (Calc.)
4.5" Hole Size

PBTD 4230'
TD 4250'

Proposed WBD



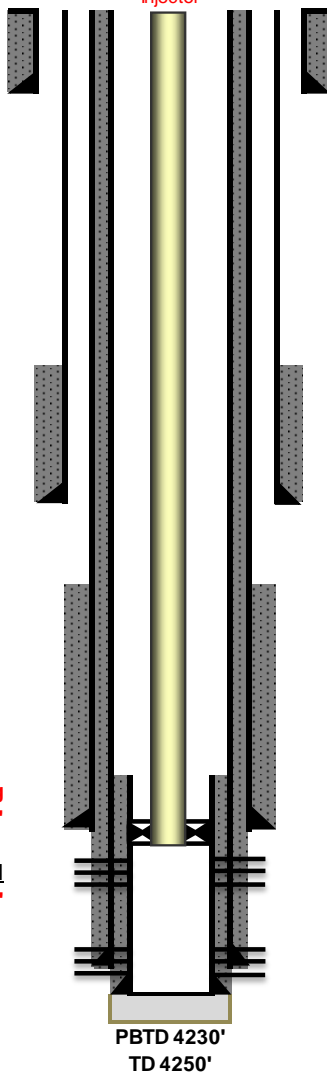
Occidental Petroleum Corporation

NHU 29-341

API# 30-025-07445

TWN 18-S; RNG 38-E

Injector



13-3/8" 54.5 lb/ft @ 238'
Cmt'd with 150 sx
TOC @ Surface (Calc.)
17" Hole Size

9-5/8" 36 lb/ft @ 2757'
Cmt'd with 700 sx
TOC @ 1378' (Calc.)
12.25" Hole Size

7" 24 lb/ft @ 3954'
Cmt'd with 300 sx
TOC @ 3430' (CBL)
8.75" Hole Size

5" Liner f/ 0'-4162'
Cmt'd with 350 sx
TOC @ Surface (Circ.)
6.125" Hole Size

4" Liner f/ 3804-4230'
Cmt'd with 25 sx
TOC @ 3804' (Calc.)
4.5" Hole Size

2-7/8" 6.5 lb/ft J-55 IPC Tubing
Injection Pkr ~4000'

Gross Injection Interval
~4069' to 4230'

PBDT 4230'
TD 4250'

District I
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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 30-025-07445		Pool Code 31920	Pool Name HOBBS; GRAYBURG-SAN ANDRES
Property Code 19250	Property Name NORTH HOBBS G/SA UNIT		Well Number 341
OGRID No. 157984	Operator Name OCCIDENTAL PERMIAN LTD.		Elevation 3642.9'

Surface Location

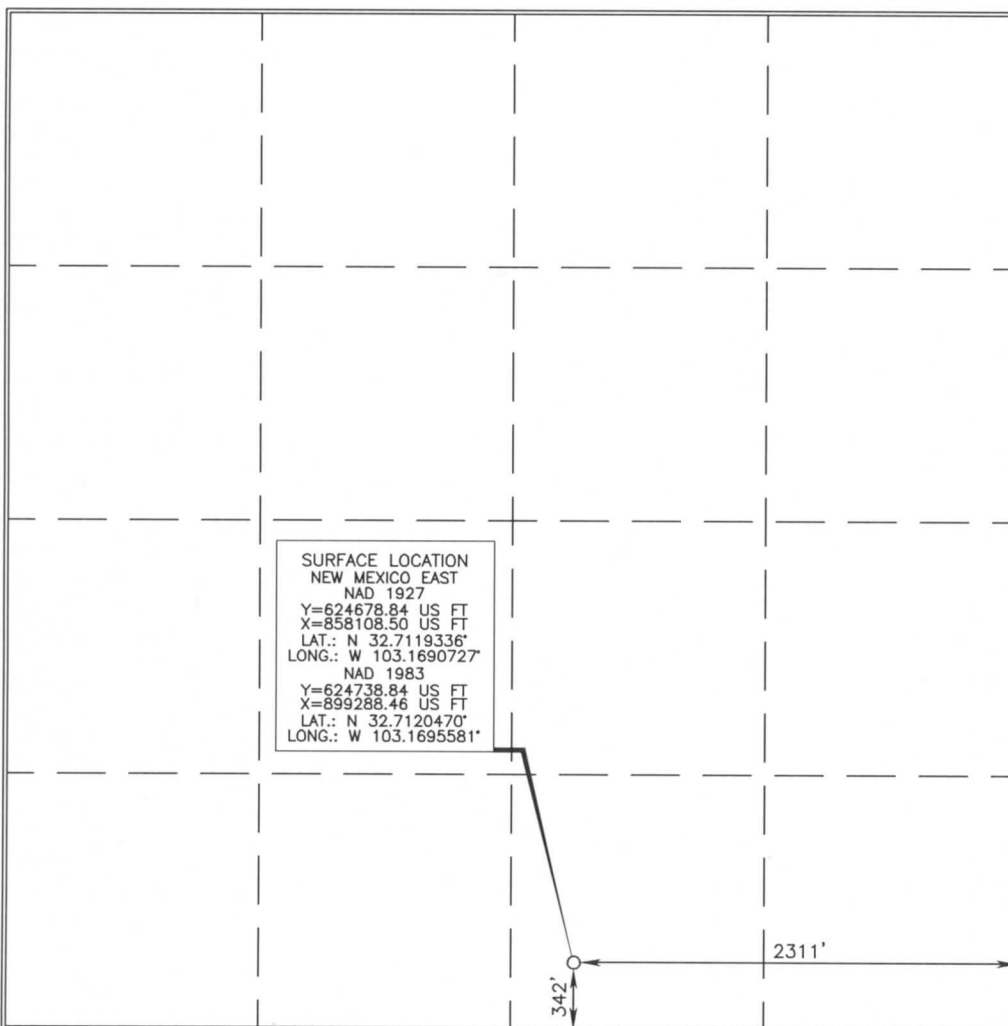
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	29	18 SOUTH	38 EAST, N.M.P.M.		342'	SOUTH	2311'	EAST	LEA

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

Dedicated Acres 40	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.



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.

Roni Mathew

10/19/2023

Signature

Date

Roni Mathew

Printed Name

roni_mathew@oxy.com

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.

15079

JULY 27, 2022

Date of Survey

Signature and Seal of Professional Surveyor:

Terry J. Alar 8/1/2022

Certificate Number

15079

WO# 220727WL-a (KA)

G/SA Unit 341

AOR

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

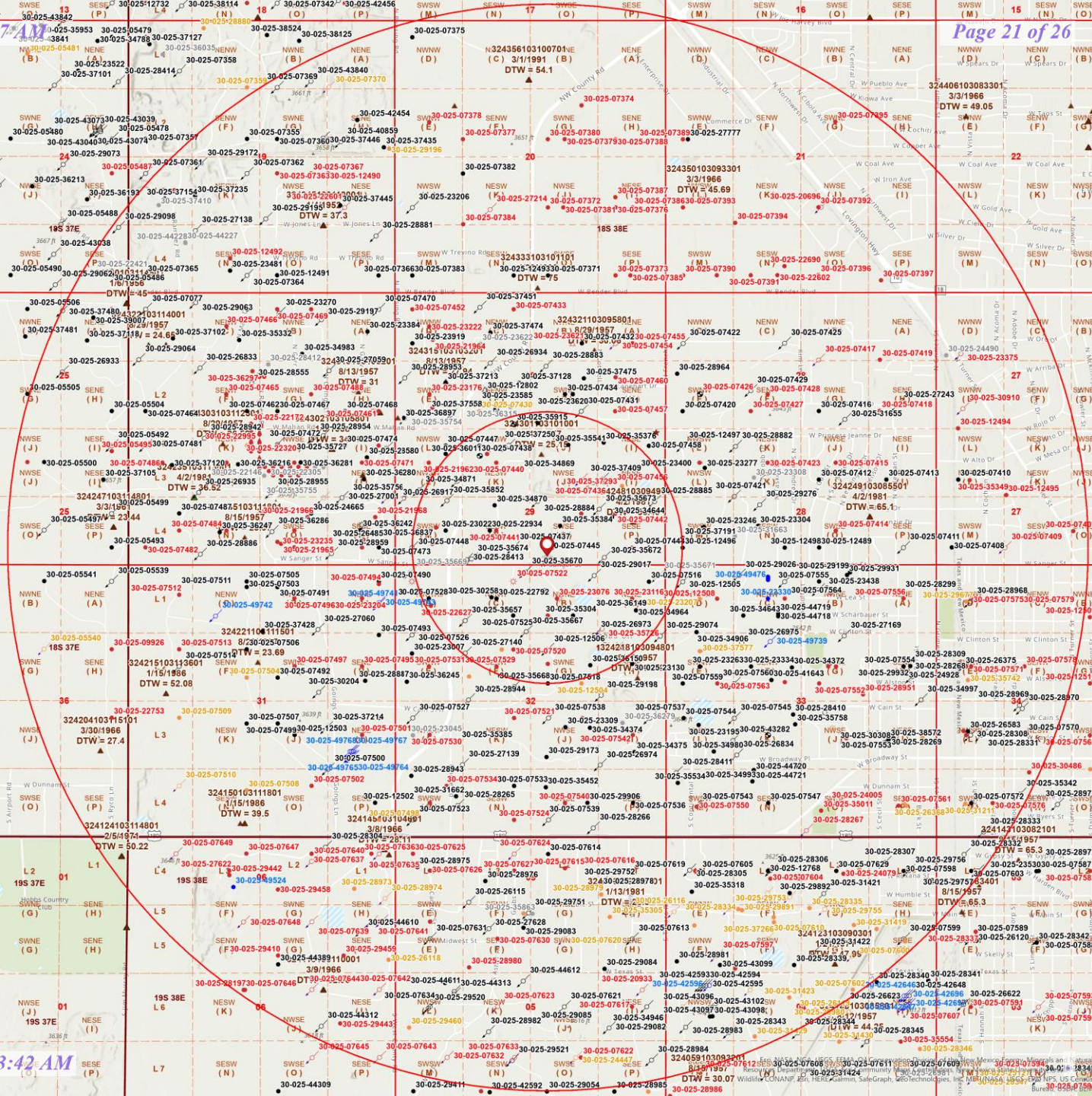
OCD Districts and Offices

OCD District Offices

Public Land Survey System

PLSS Second Division

PLSS Third Division



MITCHELL ANALYTICAL LABORATORY

2638 Faudree
Odessa, Texas 79765-8538
561-5579

Company: **Nalco Company**

Well Number: Going Lane Office
Lease: OXY
Location:
Date Run: 10/31/2013
Lab Ref #: 13-nov-n72697

Sample Temp: 70
Date Sampled: 10/24/2013
Sampled by: Bobby Hunt
Employee #: 27-022
Analyzed by: GR

Dissolved Gases

		Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulfide	(H ₂ S)	.00	16.00	.00
Carbon Dioxide	(CO ₂)	NOT ANALYZED		
Dissolved Oxygen	(O ₂)	NOT ANALYZED		

Cations

		Mg/L	Eq. Wt.	MEq/L
Calcium	(Ca++)	57.89	20.10	2.88
Magnesium	(Mg++)	21.03	12.20	1.72
Sodium	(Na+)	116.11	23.00	5.05
Barium	(Ba++)	NOT ANALYZED		
Manganese	(Mn+)	.00	27.50	.00
Strontium	(Sr++)	NOT ANALYZED		

Anions

		Mg/L	Eq. Wt.	MEq/L
Hydroxyl	(OH-)	.00	17.00	.00
Carbonate	(CO ₃ =)	.00	30.00	.00
BiCarbonate	(HCO ₃ -)	342.16	61.10	5.60
Sulfate	(SO ₄ =)	56.00	48.80	1.15
Chloride	(Cl-)	103.11	35.50	2.90
Total Iron	(Fe)	0	18.60	.00
Total Dissolved Solids		696.30		
Total Hardness as CaCO ₃		230.95		
Conductivity MICROMHOS/CM		976		

pH 7.600 Specific Gravity 60/60 F. 1.000

CaSO₄ Solubility @ 80 F. 19.15MEq/L, CaSO₄ scale is unlikely

CaCO₃ Scale Index

70.0	-.280	100.0	.070	130.0	.580
80.0	-.150	110.0	.310	140.0	.580
90.0	.070	120.0	.310	150.0	.810

Nalco Company

Goins Lane Office

32°42'18.86"N 103°11'01.82"W

MITCHELL ANALYTICAL LABORATORY

2638 Faudree
Odessa, Texas 79765-8538
561-5579

Company: **Nalco Company**

Well Number: NM OCD Sprinkler System Well
Lease: OXY
Location:
Date Run: 10/31/2013
Lab Ref #: 13-nov-n72700

Sample Temp: 70
Date Sampled: 10/24/2013
Sampled by: Bobby Hunt
Employee #: 27-022
Analyzed by: GR

Dissolved Gases

		Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulfide	(H ₂ S)	.00	16.00	.00
Carbon Dioxide	(CO ₂)	NOT ANALYZED		
Dissolved Oxygen	(O ₂)	NOT ANALYZED		

Cations

		Mg/L	Eq. Wt.	MEq/L
Calcium	(Ca++)	105.89	20.10	5.27
Magnesium	(Mg++)	12.15	12.20	1.00
Sodium	(Na+)	54.56	23.00	2.37
Barium	(Ba++)	NOT ANALYZED		
Manganese	(Mn+)	.02	27.50	.00
Strontium	(Sr++)	NOT ANALYZED		

Anions

		Mg/L	Eq. Wt.	MEq/L
Hydroxyl	(OH-)	.00	17.00	.00
Carbonate	(CO ₃ =)	.00	30.00	.00
BiCarbonate	(HCO ₃ -)	268.84	61.10	4.40
Sulfate	(SO ₄ =)	54.00	48.80	1.11
Chloride	(Cl-)	111.12	35.50	3.13
Total Iron	(Fe)	0	18.60	.00
Total Dissolved Solids		606.58		
Total Hardness as CaCO ₃		314.54		
Conductivity MICROMHOS/CM		858		

pH 7.960 Specific Gravity 60/60 F. 1.000

CaSO₄ Solubility @ 80 F. 18.02MEq/L, CaSO₄ scale is unlikely

CaCO₃ Scale Index

70.0	.237	100.0	.587	130.0	1.097
80.0	.367	110.0	.827	140.0	1.097
90.0	.587	120.0	.827	150.0	1.327

Nalco Company

NM OCD Sprinklers

32°43'05.88"N 103°09'44.88"W

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

CONDITIONS

Action 294150

CONDITIONS

Operator: OCCIDENTAL PERMIAN LTD P.O. Box 4294 Houston, TX 772104294	OGRID: 157984
	Action Number: 294150
	Action Type: [IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	None	12/13/2023