AE Order Number Banner

Application Number: pMSG2334739870

PMX-325

OCCIDENTAL PERMIAN LTD [157984]



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

Recei	ved by OCD: 12/1	3/2023 11:10:47	AM			P	age 3 of 26
	DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.	

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"
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 X PMX SWD IPI EOR PPR"
[D] Other: Specify <u>Additional Injector within approved project area (R-6199-G)</u>
[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	Roni Mathew	Regulatory Advisor	10/19/2023
Print or Type Name	Signature	Title	Date

roni_mathew@oxy.com e-mail Address Received by OCD: 12/13/2023 11:10:47 AM STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL

RESOURCES DEPARTMENT

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

APPLICATION FOR AUTHORIZATION TO INJECT

I.	PURPOSE: Secondary Recovery X Pressure Maintenance Application qualifies for administrative approval? Yes No	DisposalStorage
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 Additional sheets may be attached if necessary.	for injection.
IV.	Is this an expansion of an existing project? <u>X</u> Yes <u>No</u> If yes, give the Division order number authorizing the project: <u>R-6199-F</u>	
V.	Attach a map that identifies all wells and leases within two miles of any proposed injection well w drawn around each proposed injection well. This circle identifies the well's area of review.	ith a one-half mile radius circle

- 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 Mat	hew	TITLE: Regulatory Advisor
SIGNATURE:	Roni Mathew	DATE: 10/19/2023

E-MAIL ADDRESS: <u>roni_mathew@oxy.com</u>

* 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: <u>February 11, 2014 as part of Order No. R-6199-F application</u> 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:

ΑΡΙ	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 Pressure1,300 PSIGMaximum 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.

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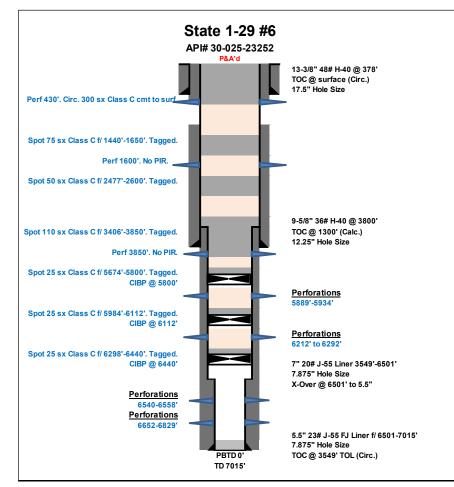
API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TVD (ft)
30-025-23173	TEXLAND PETROLEUM- HOBBS, LLC	STATE 1-29	005	Oil	Plugged, Site Released	330	S	2218	E	0	29	185	38E	6/10/1969	7025

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		

TATE 1-29 #5 Wellbore Schematic									
PSUW	Operator Textand Petroleum - LLC Ho	Field Name Hobbs	A/mm	County	State/Province NM				
0-025-23173 Hing Rig	Organii KB Fievation (#	Ground Elevation (%) 3.646.00	Spot Date 6/10/1969 00:	Rig Release Date	Completion Date				
urface Legal Location	3,657.00	Narth/Sout	Distance (ft)	N/5 Ref East/West Dutar S 2.218.0	ce (ft) E/W Ref				
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39.0	Dest	Cement; Depth MD:0.0	-364.0; Date:6/9/	1969					
362.5									
413.1	Des	413.0; 1/20/2021 amt plug; Depth MD:1,	540.0-1,620.0; Da	ite: 1/21/2021					
1.620.1	tubin	g. 1,620.0-2,203.0; 58	3.00; 1-1; 2 3/8						
2,207.0	páck	er; 2,203.0-2,207.0; 4 cmt plug; Depth MD 2.	241.0-2.700.0: Da	te:1/20/2021					
2,700.1		eze; 2,700.0; 1/20/202		0001077777					
3,005.2		Cement; Depth MD:2.9	70 0.2 807 0- Da	No-6/18/1969					
3.478.0	Des:	cmt plug; Depth MD:3.	478.0-4,100.0: Da	ate: 1/19/2021					
3.590.6	1		unun						
18/1									
3,774.6									
3.807.7	Date	Cement; Depth MD:3,	578 0.7 022 4 Da	te 7/3/1969					
4,100.1	Des	cmt plug; Depth MD:5.	362.0-5.865.0; D	ate: 1/18/2021					
5,690.0	Des	cmt plug, Depth MD:5	830.0-5,865.0; D	ate:6/4/2013					
5,865.2	Des	CEMENT SQZ; Depth	MD:5,690.0-6,03	0.0; Date:9/28/2007					
5,917.0									
5.923.9	Pert	5,918.0-5,924.0; 7/18	/1959						
5,941.9	Pert	5,932.0-5.942.0; 7/18	/1969						
2018-862 (1005) (1000)	sque	sezed: 5,917.0-5,978.0							
5,960.0	Perf	5,962.0-5,968.0; 7/18 Coment Source: De	/1969 xh MD:5.918 0-6	030.0; Date:4/10/1990					
84	Perf	5.945.0-6.030.0; 9/23	/1989						
6.017.4									
6,029.9									
6,546.9	Des	cmt plug; Depth MD:6	547.0-6,600.0; D	ate:6/3/2013					
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6,649.9	120 220	6.648.0-6.850.0. 7/14							
6,666.0	Perf	6,656.0-6,666.0; 7/14	/1969						
6,717.8	Perl	6,712.0-6,718.0; 7/11	/1969						
6,926.8	Perf	6.922.0-6.930.0. 7/8/	1969						
6.940.0									
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6,986.5									
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API NUMBER	OPERATOR	LEASE	WELL	WELL	STATUS	FTG.	N/S	FTG.	E/W	UNIT	SEC.	TSHP.	RNG.	DATE	TVD	HOLE	CSG.	SET	SX.	CMT.	MTD.	COMPLETION	REMARKS
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30-025-23252	TEXLAND PETROLEUM-	STATE 1 20	006	01	Plugged, Site	220	c	660	-	Р	20	100	205	8/22/1969	7015	17.5 12.25	13.375 9.625	378	400 600	Surf 1300	Circ Calc	6540'-6829'	Well Plugged on 07/19/2021
50 025 25252	HOBBS, LLC	31ATE 1-25	000	011	Released	330	3	000	L	F	25	105	JOL	0/22/1909	7015	7.875	9.625 7 x 5-1/2	3800 3549-7015	700	3549	Circ	HOBBS; UPPER BLINEBRY	Well Plugged on 07/15/2021



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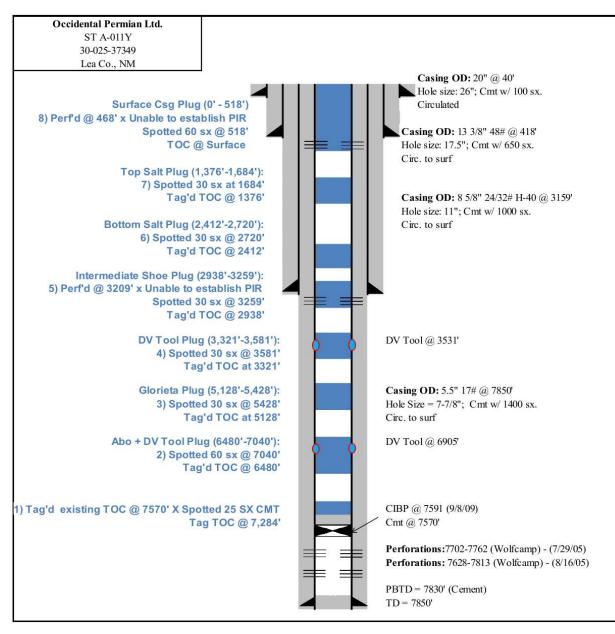
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AFINUMBER	OPERATOR	NAME	NO.	TYPE	STATUS	N/S	N/3	E/W		UNIT	SEC.	TOHP.	KNG.	DRILLED	(ft)
30-025-23116	Contango Resources, LLC	STATE A	005	Oil	Plugged, Site Released	660	N	660	E	A	32	185	38E	4/24/1969	8044

HOLE	CSG.	SET	SX.	CMT.	MTD.	COMPLETION	REMARKS
SIZE (in)	SIZE (in)	AT (ft)	CMT.	TOP (ft)	WITE.	COMPLETION	
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		

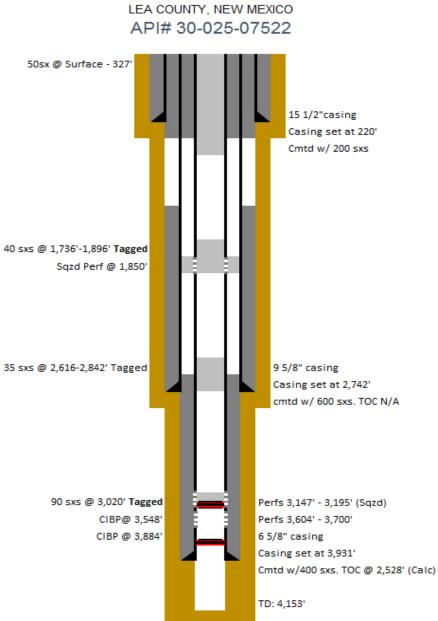
LEASE/WELL:	STATE A No. 5	GR	3649
LOCATION	660' FN&ESL	KB	3660
	UL A SEC 32 T185 R38E	CORR	11
CO/ST:	LEA CO, NM		
STLEASE	A-1469	SPUDDED	4/24/1969 LEATHERWOOD DRLG
the states show		COMPLETED	5/27/1969 AMERADA HESS CORP
FIELD:	HOBBS DRINKARD	PERMIT	
	31730		12/12/2000 0041
POOL DRINKARD			32,7093391
BLINEBRY		LAT (27)	
API NO.	30-025-23116	LONG(27)	-103,164169
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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	185	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' WOLFCAMP	Well Plugged on 8/31/2022



API NUME	R 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
	TEXLAND PETROLEUM	W D			Plugged,											N/A	15 1/2"	220'	200	Surface	Calc	3,604' - 3,700'	Well file does not indicate hole size. Well was
30-025-07	HOBBS, LLC	GRIMES	004	Gas	Site	330	N	2,310	w	С	32	18S	38E	7/16/1930	4,153'	N/A	9 5/8"	2,742'	600	N/A	Calc	BYERS; QUEEN (GAS)	plugged and abandoned on 5/27/2017 and the site
	HUBBS, LLC	NCT-A			Released											N/A	6 5/8"	3,391'	400	2,528'	Calc		has been released



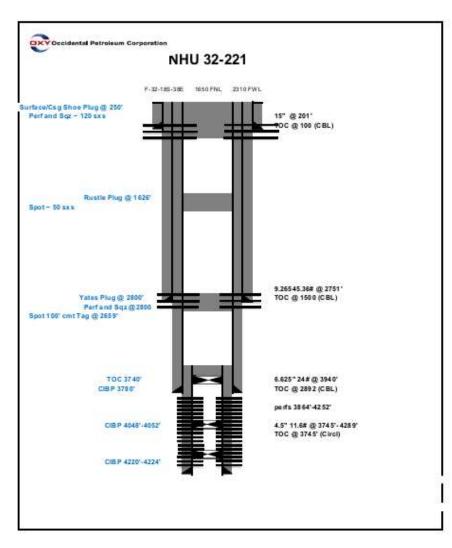
W.D. Grimes NCT-A #4 330' FNL 2,310' FWL, SEC 32, T-18S, R-38E Page 12 of 26

Page 13 of 26

.

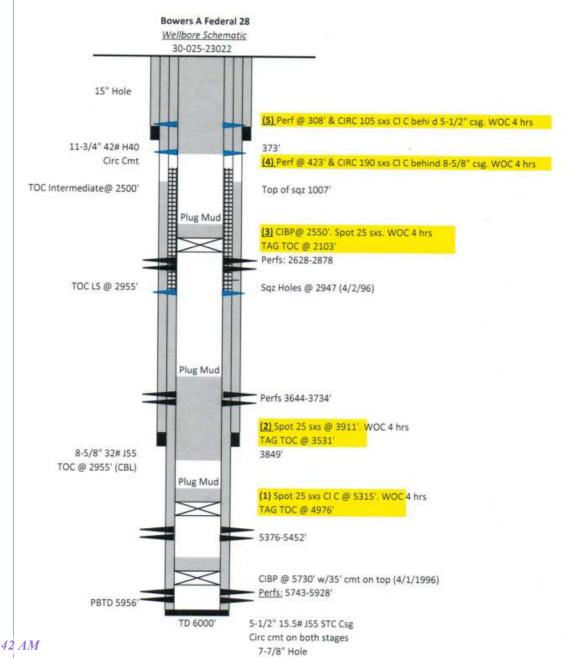
API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TVD (ft)
30-025-07520	OCCIDENTAL PERMIAN LTD	NORTH HOBBS G/SA UNIT	221	Oil	Plugged, Not Released	1650	Ν	2310	w	F	32	185	38E	N/A	4290

HOLE	CSG.	SET	SX.	CMT.	MTD.	COMPLETION	REMARKS
SIZE (in)	SIZE (in)	AT (ft)	CMT.	TOP (ft)	WITD.	COMPLETION	
	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		



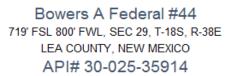
API NUMBER	OPERATOR	LEASE NAME	WELL NO.	WELL TYPE	STATUS	FTG. N/S	N/S	FTG. E/W	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TVD (ft)
30-025-23022	TEXLAND PETROLEUM- HOBBS, LLC	BOWERS A FEDERAL	28	OIL	Plugged, Site Released	660	S	990	w	м	29	185	38E	3/12/1969	6020

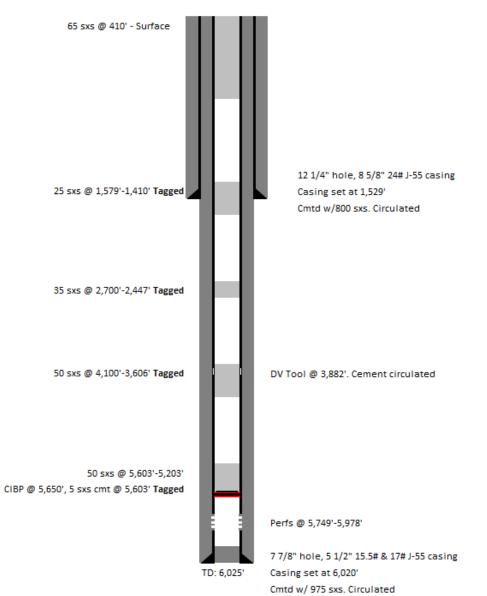
HOLE SIZE (in)	CSG. SIZE (in)	SET AT (ft)	SX. CMT.	CMT. TOP (ft)	MTD.	COMPLETION	REMARKS
15	11.750	374	300		Circ.	5376'-5452'	Well Plugged on 8/8/2023
11	8.625	3850	500	Surf	Circ.	HOBBS UPPER BLINEBRY	
7.875	5.500	5989	450	Surf	Circ.		



Released to Imaging: 12/13/2023 11:13:42 AM

Recei	ved by OCD:	12/13/2	2023 1	1:10:	47 AM																		Page 15 of 26
API NUMBER	OPERATOR	LEASE	WELL	WELL	STATUS	FTG.	N/S	FTG.		UNIT	SEC.	TSHP.	RNG.	DATE	TVD	HOLE	CSG.	SET	SX.	CMT.	MTD.	COMPLETION	REMARKS
AFTNOMBER	OFERATOR	NAME	NO.	TYPE	STATUS	N/S	14/5	E/W	E/W	UNIT	JLU.	Tone.	KNG.	DRILLED	(ft)	SIZE (in)	SIZE (in)	AT (ft)	CMT.	TOP (ft)	WITD.	COMPLETION	REMARKS
30-025-35914	TEXLAND PETROLEUM-	BOWERS A	044	01	Plugged, Site	710	ç	800	14/	M	29	18S	38F	37413	6020	12.25	8.625	1529	800	Surf	Circ	5749'-5978'	Wall Diverged on 02/20/2020
50-025-55914	HOBBS, LLC	FEDERAL	044	UII	Released	/19	3	800	vv	IVI	29	105	20E	57415	6020	7.875	5.5	6020	975	Surf	Circ	GRAYBURG-SAN ANDRES	Well Plugged on 02/29/2020





Side 1

INJECTION WELL DATA SHEET

OPERATOR: OCCIDENTAL PERMIAN LTD

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

WELL LOCATION: <u>342 FSL</u> , 2311 FEL	0	29	18S	38E
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE
WELLBORE SCHEMATIC		<u>WELL C</u> Surface	<u>ONSTRUCTION DAT</u> Casing	<u>A</u>
See attached			-	
	Hole Size: <u>17"</u>		Casing Size: 13.375	5"
	Cemented with: 150	SX.	or	$_{\rm ft}$
	Top of Cement: Surfac	e	Method Determined	_{l:} Calc.
		Intermedia	te Casing	
	Hole Size: 12.25"		Casing Size: 9.625	•
	Cemented with: 700	SX.	0r	ft ³
	Top of Cement: 1378'		Method Determined	_{l:} Calc.
Liner1 Hole Size = 6.125" Liner1 Casing Size = 5" Liner1 Cmt = 350 sx		Productio	n Casing	
Liner1 TOC = Surface Liner1 TOC Method = Circ.	Hole Size: 8.75"		Casing Size: 7.0"	
Liner1 Top = 0' Liner1 Btm = 4162'	Cemented with: 300	SX.	or	ft^3
Liner2 Hole Size = 4.5" Liner2 Casing Size = 4"	Top of Cement: <u>3430'</u>		Method Determined	l: CBL
Liner2 Cmt = 25 sx Liner2 TOC = 3804' Liner2 TOC Method = Calc.	Total Depth: <u>3934'</u>			
Liner2 Top = 3804' Liner2 Btm = 4230'		Injection	Interval	
LINEIZ DUN - 4230	4069'	fee	t to4216' (F	Perforated)

(Perforated or Open Hole; indicate which)

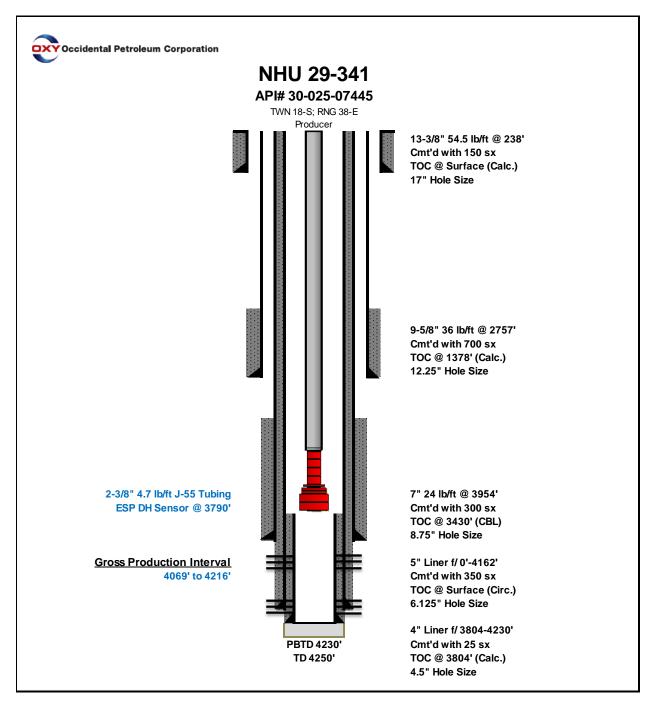
.

Side 2

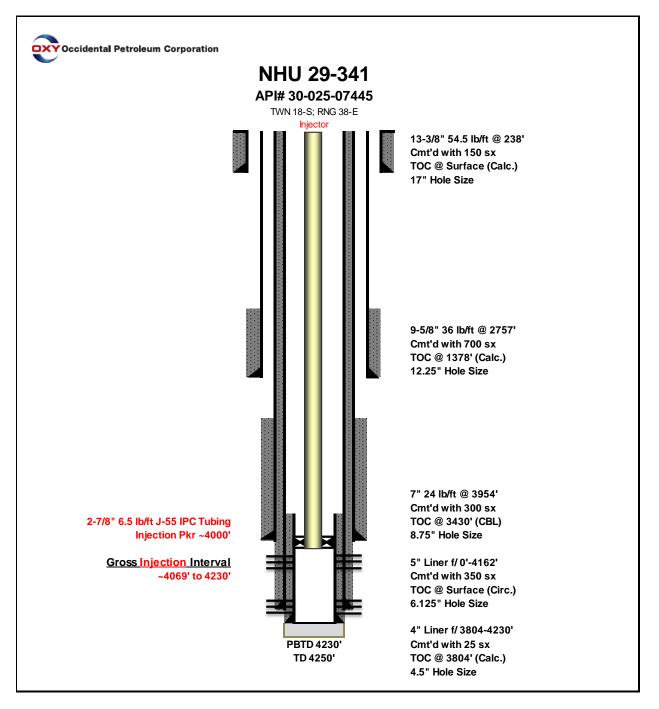
INJECTION WELL DATA SHEET

Tubing Siz	ze: <u>2.875" I</u>	ining Material: IPC or Duoline (fiberglass)
Type of Pac	cker: _5" Arrowset 1-X Dbl Grip	
Packer Set	tting Depth: approx. 4000'	
Other Type	be of Tubing/Casing Seal (if applicable):	ΝΑ
	Additio	onal Data
1. Is this	s a new well drilled for injection?	Yes <u>X</u> No
If no,	for what purpose was the well originally	y drilled? Producer
2. Name	e of the Injection Formation: Grayburg/Sa	an Andres
3. Name	e of Field or Pool (if applicable): <u>Hobbs</u>	; Grayburg - San Andres
	he well ever been perforated in any other vals and give plugging detail, i.e. sacks o	• •
injecti	ion zone in this area:	nes underlying or overlying the proposed
Byers	s (Queen) @ 280' TVDSS	
Glori	ieta @ -1700' TVDSS	

Current WBD



Proposed WBD



<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 <u>District II</u> 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 <u>District IV</u> 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

			WEL	L LOCAT	TON ANL	ACI	REAGE D	EDICA TIO	NPLAT				
	API Number Pool Code						Pool Name						
30-025-07445 31920 HOBBS; GRAYBURG-SAN ANDRES													
Property Code					Property	v Name				V	Vell Number		
19250 NORTH H						OBBS	S G/SA	UNIT			341		
					Operato.	r Name				Elevation			
157984 OCCIDENT							PERMIAN LTD.					3642.9'	
					Surfa	ace L	ocation						
UL or lot no. Section Township Range				Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County			
0	29	18 SOUTH	SOUTH 38 EAST, N.M.P.M.				342'	SOUTH	2311'	EAS	T	LEA	
				Bottom H	ole Locatio	on If I	Different H	From Surfac	e				
UL or lot no. Section Township Range			Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County				
Dedicated	Acres	Joint or Infill	Con	solidation Code	Order No.								
40													

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. <u>Roni Mathew</u> 10/19/2023 <u>Signature</u> Date
		Roni Mathew
		Printed Name
	1 1	roni_mathew@oxy.com
	+	
SURFACE LOCATION NEW MEXICO EAST NAD 1927 Y=624678.84 US FT LAT:: N 32.7119336 LONG:: W 103.1690727' NAD 1983 Y=624738.84 US FT LAT:: N 32.7120470' LONG:: W 103.1695581'		SURVEYOR CERTIFICATION I hereby certify that the well bootshotshown on this plat was plotted from the lander of octual surveys made by me by there my supervision, and that the same is true and correct to the best of my pellet. 15079 Dut of Survey Signature and Scarof SSIONAL Professional Surveyor.
	2311'	Certificate/Nymber 15079 WO# 220727WL-g (KA)

	SWSE 13 SESE 30 30-025-43842 (P)	-025=12732 J 30	0-025-38114 0 18 0 30-025-07342 30-025-4245 (N) (P)	6 swsw (M)	SESW 17 SW9E (N) 17 (O)	SESE (P)	SWSW (M)	SESW 16	SWSE (0)	SESE (P)	SWSW (M)	15 SESW (N)	SWSE (0)
Received by QCD 12/13/2023 11:10:4	7 4 0-025-35953 30-025-35953 30-025-33841 30-025-	05479 34788 30-025-3712	30-025-28880 30-025-38524 30-025-38125	30-025-07375		9			y BIVO	4.1.1.1	Page 2	21 of 2	6
NOT LIT HODDS	NW30-025-05481 NENE (B) 30.025-23522	34788 30-025-3712 30-025-3 L 4 30	36035 _{NENW} NWNE NENE 1-025-07358 (B) (A)	NWNW (D)	N324356103100701NE (C) 3/1/1991 (B)	NENE (A)	NWNW (Ď.)	(C)	NWNE Z	NENE (A)	NWNW (D) W Spears Dr	NENW (C)	NWNE
G/SA Unit 341	30-025-37101	L4 30 30-025-28414	-025-07358 (B) (A) 30-025-07359 30 025-07369 30-025-43840 30-025-07370		DTW = 54.1	id Rd into	austra			Pueblo Ave 3	24406103083301	2	
G/SA ONIC 541		32. 19	9 3661 ft		N ^{NN} C	80-025-07374	2q	Norman	W Kid	413 AUR	3/3/1966 DTW = 49.05		
AOR	SWNE 30-025-4307330-025 30-025-05480 30	-43039 2	(F) 30-025-07355 30-025-408	2454 SW130-025-07378	SENW SWNE (F) 25-07377 ₃₆₅₁ 30-025-07	SENE (H)	SWNW (E)-0738930-025-2777	e Dr SENW	-, SWI 30-025-0	1395 SENE	SWNW (E)	SÉNÉS S	SWNE (G)
Non	30-025-05480 30-025-4304030,025-4 2430-025-29073	307400 010 010		0-025-37435 30-025-29196	25-07377 ₃₆₅₁ • • • • • • • • • • • • • • • • • • •	5-0737930-025-073	88	4		W Copper A	e Vista		
Oil and Gas Wells	0 30-025	0548730-025-073	30-025-29172 611 30-025-07362 30-025-07367 *30-025-0736330-025-12490	30-0	25-07382	1	32435010309330	1	wo	pal Ave	W Coal Ave	22 W Coal Av	e E C
Wells - Large Scale	30-025-36213 NUSE (J) 30-025-36	193 30-025-3715 30-025-3	NEOR NEADE NEOE	NWSW 30-025-23206	NESW NWSE (K30-025-27214 30-025-07 	30-025-073	3/3/1966 87 DTW = 45.69	NESW (K30-025-206	NWSE 9630-025-07392	N Iron Ave NESE (1)	NWSW (L)	NESW (K)	NWSE
Miscellaneous		0-025-29098	30-025-27138 30-025-27138 30-025-27138 30-025-27138 → → → → → → → → → → → → → → → → → → →	30-0	25-07384	5-07381 ¹ 30-025-073	76	30-025-07394	D 402	(Dates)	W Gold A	ve	N
* CO2, Active	195 375	30-025-4422830)-025-44227 Ø			185 38E			noton	- io w	Silver Dr	Gold Ave	Fowle
* CO2, Cancelled	SWSE O SPSE	2421 L4	5 (N 30-025-12492 SWSE Rd W TREAT 5 (N 30-025-23481 (O) (P 30-025 30-025-12491 30-025	SWSW W Trevino R	SES 324333103101101	SESE (P)	SWSW (M)	SESW (N30-025-226	SWSE	SESE (P)	swsw (M)	SESW (N)	SWSE
CO2, New	30-025-05490 30-025-05490 30-025-29062101 0	341,30-025-0736 025-05486 956	5 30-025-12491 30-025 30-025-07364	-0736630-025-07383	30-025-1249330-025-07 • DTW = 75	371 30-025-073 30-025- 30-025-	73 30-025-07390 07385 30	-025-07391 30-025-2	30-025-07396 2602	30-025-07397			
CO2, Plugged		30-025-070	⁷⁷ 30-025-29063 30-025-23270 3	0-025-07470 	30-025-37451	Sender Blud		W Bender Di-		11	ia.		
CO2, Temporarily Abandoned	NWNE NE30-025-3	322103114001 9007 0129/1957	NEI30-025-07466 30-025-07469 NENE30-02	5-23384 30-025-23222	N30-025-37474 324321	103095801NE	NWNW	NENW	NWNE	NENE (A)	NWNW WOY	N ADD	NWNE (B)
☆ Gas, Active	30-025-37	30-025-29064	25-37102) 30-025-35332) (A) 2 30-025-354983 2	30-025-23919 32431510310320	NF30-025-37474 324321 30-025-23622 30-025-23621 30-025-26934 30-025-2	30-025-0743230-025 30-025-07	-07455 30-025-0742	2 107 30-02	30-025-0741	7 30-025-07419	30-025-24490	W Or or	z
Gas, Cancelled	30-025-26933	, a	30-025-26833 30-025-2841232430-025-27059 30-025-28555 8/13/1957	30-025-28953 o.4	213 30,025 27429	30-025-37475	30-025-28964		¢	•	30-025-23	27 W Arriba	Mickin
🔅 Gas, New	SW20-025-05505 SENE	L2	SEN30-025-07465 SWNE 30-025-07488 E	SW130-025-23176	30-025-12802 30-025-23585	30-025-074	60 SWA30-025-0	30-025-07429 7426 SEN30-025-074	28 SWNE	SENE 1230-025-0 30-025-07418	27243 SWNW (130-025-30	SENW	SWNE
🌣 Gas, Plugged	(H) 30-0	\$25-05504 \$30-025-0746	30-025-0746230-025-07467 30-025-074 4130310311230-025-025-025-025-025-02461	58 30-025-37558 30-025-36897 30-0	30-025-07430 30-025-23620 25-36315 30-025-35915	30-025-07431 •30-025-074	57 30-025-07420	30-025-07427	30-025-07416	30-025-07418 5-31655	20 -023-30	Dr	(Gwier
 Gas, Temporarily Abandoned Injection, Active 	NWSE NESE 30	-025-05492	30-025-32327 (************************************	74 NWSW 30-025-0	324301103101001 30-025137250 30-025-3	554130-025-35376	30-025-1249	7 30-025-28882	N Princess Jeanne	Dr NESE	30-025-1249 NWSW	NESWIO	NWSE
 Injection, Active Injection, Cancelled 	(J) (1) ^{30±025}	25-074868 - 30-02	⁸¹ (K) <u>30-025-22320</u> 30-025-35727 (1) 30-02 5-37120	5-23580 (L 30-025-36011	30-025-07438 = 25,15	(1) •30	-025-07458	(K) ≥	(J)	(1) 7415 5	(L) W Alto Dr	(K) W Mesa	01 (1)
Injection, Cancelled	NWSE NESE 30-02 (J) (1) •657 ft	5-37105 32423510 3 4/2/1	98130-025-22146 30-025-22305 NEF30-025 30-025-26935 30-025-28955 20-025-28	30-025-34871	(K) NWSE	30-025-37409 5-37293 30 025-074	NWSW	30-025-23308	30-025-07412	30-025-0741	3 30-025-0741	0 NESW (K) 930-025-12495	NVISE
Injection, New Injection, Plugged	3242471031	4801 025-05499 30-0	30-025-35755 30-025-30 025-07487.5103111901 30-025-24665	01 30-025-2691730-025-	35852 30-025-0 30-025-34870 30-025-288	743642481030949 30-025-35673	30-025-28885 30-02	30-025-2927	6 4/2/	1981-z	30-025-3534		++
Injection, Hogged Injection, Temporarily Abandoned	25 30-025-05497/V = 23 SWSE SESE A	44 30-025	8/15/1957 30-025-36286 30-025 5-0748430-025-36247 SWSE St 30-025	025-21968 36242 swsw 30-025-230	29 30-025-288 2230-025-22934 30-025 SUSE	-35384 30-025-074 SESE	42 30-025-2	28 3246 30-025-23304	SW(30-025-0	7414"SESE	z SWSW	27 SESV30-0	25-0740
Oil, Active	(O)-0 (P) 30-0	25-05493 30-025-0748	30-025-28886 30-025-28886 30-025-21965 30-025-21965	-025-07473	025-0744130-025-07437/ 0-025-35674 0-025-07	445 (P) 30-025 30-025-35672	-0744 30-025-12496	(N) 30-025-124	9830-025-1248	(P)30-025	07411 (M) 030-025-07408	30-025407409	(0)
Oil, Cancelled	30.025.05541 30	025-05539	W sanger St W san	025 07490	-025-28413 30-025-35670	30-025-29017	30-025-35671	30-025-29026-30=	025-2919930-02	5-29931	Texat	W Sanger	Se
Oil, New	NWNE NENE	30-025-07512 30-025-07512	22 30025-21963 30-025-07491 20-025-07501 30-025-07491 30-025-07491 NENW 30-025-07491 30-025-07491 (Sh025-49742 30025-07491 30-025-22504 30-025-27600 30-025-2760 324222110311501 30-025-37428 32422210311501 30-025-37428	4 30-025-0752830-025-3	025830-025-22792 N30-025-	23076 30-025-2311	30-025-1250 630/025-12508	5 30-025-2233030-02	• 30-025-234 5-07564 30-0	38 30-025- 25-07556 _{JE} 30-		28968 _{NENW}	NWNE
 Oil, Plugged 	(B) (A)	L1 •	(\$0)025-49742 30 ¹ 025-0749630-025 ¹ 23204 ³	0-025-49143 30-025-22627 ³⁰	-025-35657 30-025-353	30-025-3614930- 04 30-02	027-232070) 5,34964 30	0-025-3464330-025-4	4719 ^B)	(Å) ier St	\$\$ ³⁰⁻⁰²⁵⁻⁰	757530-025-07	579 (E) 25-1250
 Oil, Temporarily Abandoned 	30-025-05540	+		-025-07493	30-025-0752530-025-35667	30-025-26973 2506 30-025-35726	30-025-29074		w cuntons	5-27169	z o	W Clipton	ti lite
△ Salt Water Injection, Active	GINE SENE	30-1025-09926 30-1 30-10211261	025-07513 8/230-025-07506 -025-07510 TW = 23.69 -01 SEMM SM(30-025-07497 SEA30-025	30-025-23007 30- 0749530-025-0753139-0	-025-27140 • 30-025-07520 25-07529 - SIMNE	1324218103094 30-025536150957	801 30-025-3	577 5330-025-2333430-0	25-34372 3	0-025-07554 30-02	25-28309	375 30-025-0	7578 WINE
△ Salt Water Injection, Cancelled	(G) (H)	1/15/1986 DTW = 52.08	3242211030(1925)7428 302 925-07513 8/730-02507766 025-07513 8/730-02507766 025-07517 ₩ = 23.89 01 5000 (F10-025-0750430-025-07492 (50-025-0204 30-025-0204 31 2	888730-025-36245	30-025-3566830-025-07	DTW 30:025	23130 30-025-07559 ³⁰⁻⁰	25-0756030-025-41	643 (G) 30-	025-2993230-025 WAIston St	-24928 30-025-0 -24928 30-025-3	7571" (F) 5742 W Als 30-0	25 1251
Salt Water Injection, New			T. 10	30-025-07527	0-025-28944 30-025- 30-025-07521 30-025-0 30-025-07521 30-025-0	12504	-0753730-025-07544	30-025-07545 30 0	30-025-075523	W Cain St	0-025-34997 30-025	-2896930-025-2	8970
△ Salt Water Injection, Plugged	3242041031151 3/30/1966		30-025-07509 30-025-07507 3639 /t 30-025-37214	0	30-025-07521 30-025-0	25-23309 30-025-30 30-025-34374	-07537 30-025-07544 30-025-2319 5-34375 30-025-3498 30-025-28411	30-025-43282 • -30-025-43282 •	025-35758		Mex 30-025-2	W Cain S 5583 30-025-0 28308 25-28331 31-0	7570
Salt Water Injection, Temporarily Abandoned	(J) DTW = 27.4	L3	NESW 30-025-0749930-025-12503 NE30-025- (K) (J) 30-025-49768300025-4		5-35385 (J) 30	0-025-07542 30-025 30-025 26974	5-34375 30-025-3498	030-025-26834	(J 30-025-	030830-025-385 07553 ³⁰⁻⁰ 25-282	72 <u>30-025-</u> 69 <u>30-0</u> 25-	28308 25-28331 3	25-0756
Water, Active			-025-07510 30-025-07502 -025-07510 30-025-07502	9764 30-025-28943		P	30-025-28411 0-025-3553430-025-3	W Broadway Pl 30-025-44720	4 B	oadway St		30 025-	30486
Water, Cancelled	B w Dunnamst	8 0	-025-07510 30-025-07508 324150103111801 SWSE SE30-025 SE30-025	30-025-07 30-025-31662 30-025-31662 30-025-31662	753430-025-0753330-025-354	452 ³	0-025-3553430-025-0	7543 00020-025-04721	47 - 30-025-24	Dunnam St	5 	30-025-3	5342
Water, New	SWSE (0) (P) Ag	L4	(N/15/1986 (O) DTW = 39.5	507498 ³⁰² 025-07523	25-28265 30-025-07544 (N) 30-025-07524 ³⁰⁻⁰²⁵⁻⁰⁷	539 (P30-025 30-025-28266	-07536	550 (N)	30-025-3501	5130-025-0 30-025-263	7561 SW 30-025-3 36830-025-31211	-025-07,576	ta (O)
Water, Plugged	324124103	114801 7-1	3/8/11 30-025-28304=	28.11	100 P	ø	5	ø	50-025-28267	s c s c	30-0 32414	25-28333 3103082101	5 Dal
Water, Temporarily Abandoned	DTM =	50.22 30-1 3646 / 20	025-07649 30-025-07647 305025-07643 2025 2025-27622 30-025-07643 2025 2025-27622 30-025-9942 L 2 30-025-0757 30-22 2025-27622 30-025-9942 L 2 10-025-2097 30-025-2945 20-025-2945 20-025-2097 30-025-2945 20-025-2945 20-025-2097	-0763630-025-07625	30-025-07624 30-025-07	614 30-025-07616 ₂₀ cos	07619 . 30.035 0	362:30-025-2	8306	0-025-28307	30-025-2 25-29756 W 9	W = 65.3 30-0	25-2897
? undefined	L2 195 37E 01 L1	L 4 195 3	225-2762230-025-29442 L 2 L 1 38E 30-02999524 30-025-2897	5:07635 Le30-025-07626	30-025-28976	30-025-29752 32430-025-289783	30-025-283	05 L 30-025-127	68 L 30-025-0 604 •30-025-314	-24079Le30-025- 21 30	07598 138-025-0 025-2975763401	7603	25-07587
	Hobbs Country		•30-025-29458 • 	30-025-28974 30 SWNW	0-025-26115 30-025-25 30-025-35863 30-025-29751 (F) 30-025-29751 (G) 30-025-29751	5 DTW = 230:025	26116 201025 28334	30-025-29753	30-025,28335	W Humble St	8/15/1957 DTW = 65.3		SWNE
OCD Districts and Offices	(G) ^(H) (H)	L5	(F) (G) (H) 30-025-07648 (H) 30:02	5-44610 30-025-0763	(F) (G) 30-025-27628 30-025-29083	30-025,3530	5-07613 30-025-28334 (E) 30-0	(F)	610 \$30-025-29	30-025	07599 30-025	07589	E
OCD District Offices	SWNE SENE (G) (H)	L5	30-025-07639 30- SENW SWNE SENE (F30-025-29410 (G) 30-025-294	SWRWMidwest St.	SE#30-025-07630 SWN30-0 (E) (G)	25-07620 SENE			30-023-31422	SERIE 3	0-025-28337,30-025 (E) _{W Skelly}	-26120 30-02	5-28342 25-07588
*	3		30,025,44389110001	30-025-26118 30-	025-28980 30.025.44612	30-025-29084		25-43099 .30-0	25-28339, 95 ³⁰	and an alter	and the second second second	St EI S	
Public Land Survey System			30-025-2819730-025-07646 DT 30-025-0764430-025-	0764230-025-4461130-02	5-44313 0	30-025-20933	0-025-42596-030-025	42595	30-025-07602	30-025-28340 ³ 025-4264630-0 5-26623 30-02		622 20.0	25 0750
PLSS Second Division	NWSE 01	19S 38E L 6	NESW 06 NESE 30-025-44312	NWSW (2)	0 30-025-07623 30-0 NESW 05 30 (K) 05 30 30-025-28982 30-025-2908 30-025-28982 (J)	5 30-025-3494	30-025-43096 30-025-4309730-025 6	5-43102sw 5-43098()	025,261,21030	30-025	42696 30-025-20 25-42698 30-025-0 5-07607	7591 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25-07593 NWSE (J)
	19S 37E NESE 3636 ft (1)		•30-025-2944	30-025-29460	30-025-28982 (J)	30-025-3494 30-025-2908	32 × 30-025-2898	30-025-28343 3 30-025-31-29	025-28344 (UIW = 44 30-025-3143	30-025-28345 30-025-3	Texa	(K)	23-07390
PLSDEithDivision to Innaning, 19/19/2022 11.1	The process of the second s		30-925-07645	0-025-07643 30-1	25-0763330-025-29521 3	0-025-07622	30-025-28984		LISGS FEMA OIL	= 30-	025.28346	pergy_Minerals a	nd Natural
Released to Imaging: 12/13/2023 11:1.	(O) (P)	L 7	SESW SWSE SESE (N) (O) (P)	(M)	(N) (O)	(P)	8/19/195/ DTW = 30.07	7612 SES 30-525-67 Resources Department Wildlife CONANP. 25n	50-025-31424 HERE Carmin, Safe	Graph, GeoTechnol	dgies, Int MBH (NASA	025107594815 12511291 N130-0 196571590 NPS. Bure30-0	US Centus
	1 1 x 3		30-025-44309	30-025-29411	30-025-42592 30-025-29	054 30-025-289	30-025-28986				× 30-023	Bure30	35,0759

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MITCHELL ANALYTICAL LABORATORY

2638 Faudree Odessa, Texas 79765-8538 561-5579

Company:	Nalco	o Comp	oany					
Well Number: Lease: Location:	Going OXY	Lane Offi	ce			Sample Temp: Date Sampled: Sampled by:		
Date Run: Lab Ref #:	10/31/ 13-nov	/2013 v-n72697				Employee #: Analyzed by:	27-022 GR	
				Dissolved C	Gases			
						Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulf		(H2S)				.00	16.00	.00
Carbon Dioxid Dissolved Oxy		(CO2) (O2)		NOT ANA				
				Cations				
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 ANAL	_YZED	00		.00
Manganese Strontium		(Mn+) (Sr++)			VZED	.00	27.50	.00
Scioncium		(31++)			.1200			
				Anions				
Hydroxyl		(OH-)				.00	17.00	.00
Carbonate		(CO3=)				.00	30.00	.00
BiCarbonate Sulfate		(HCO3- (SO4=)	-			342.16 56.00	61.10 48.80	5.60 1.15
Chloride		(CI-)				103.11	35.50	2.90
		. ,				105.11	55.50	2.90
Total Iron		(Fe)				0	18.60	.00
Total Dissolve						696.30		
Total Hardnes						230.95		
Conductivity N	MICROM	HUS/CM				976		
рН	7.600)			Specif	ic Gravity 60/6	50 F.	1.000
CaSO4 Solubili	ity @ 80	F.	19.	15MEq/L,	CaSO4	scale is unlikel	У	
CaCO3 Scale Inc	dex							
70.0		.280	100.0	.070	130.	0.5	80	
80.0		.150	110.0	.310	140.	0.5	80	
90.0		.070	120.0	.310	150.	0.8	10	

Nalco Company

Goins Lane Office 32°42′18.86″N 103°11′01.82″W

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MITCHELL ANALYTICAL LABORATORY

2638 Faudree Odessa, Texas 79765-8538 561-5579

Company:	Nalc	o Comp	oany					
Well Number: Lease: Location:	NM OO OXY	CD Sprink	ler Syst	em Well		Sample Temp: Date Sampled: Sampled by:	70 10/24/20 Bobby Hi	
Date Run: Lab Ref #:	10/31 13-no	/2013 v-n72700)			Employee #: Analyzed by:	27-022 GR	
				Dissolved C	Gases			
						Mg/L	Eq. Wt.	MEq/L
Hydrogen Sul		(H2S)				.00	16.00	.00
Carbon Dioxic Dissolved Oxy		(CO2) (O2)		NOT ANA				
				Cations				
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 Manganese		(Ba++) (Mn+))	NOT ANAL	YZED	.02	27.50	.00
Strontium		(Sr++)		NOT ANAL	VZED	.02	27.50	.00
		(0117)		Anions				
Hydroxyl		(OH-)		Anions		.00	17.00	.00
Carbonate		(CO3=))			.00	30.00	.00
BiCarbonate		(HCO3-				268.84	61.10	4.40
Sulfate		(S04=)				54.00	48.80	1.11
Chloride		(Cl-)				111.12	35.50	3.13
Total Iron		(Fe)				0	18.60	.00
Total Dissolve	ed Solide	5				606.58		
Total Hardnes						314.54		
Conductivity N	MICROM	IHOS/CM				858		
рН	7.96	0			Specif	ic Gravity 60/6	0 F.	1.000
CaSO4 Solubil	ity @ 80) F.	18.	02MEq/L,	CaSO4	scale is unlikely	Ý	
CaCO3 Scale Ind	dex							
70.0		.237	100.0	.587	130.	0 1.09	97	
80.0		.367	110.0	.827	140.	0 1.09	97	
90.0		.587	120.0	.827	150.	0 1.32	27	

Nalco Company

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

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

CONDITIONS

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

CONDITIONS

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Action 294150