AE Order Number Banner

Application Number: pMSG2335336164

PMX-341

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

November 2, 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. 332; API 30-025-29173 Lea County, NM

Occidental Permian Ltd. respectfully requests administrative approval to inject produced CO2 into the above referenced injector in the North Hobbs Unit per Order No. R-6199-F. The wells are currently authorized to inject water and purchased CO2. 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

Regulatory Advisor

Roni Mathew

DATE IN ENGINEER LOGGED IN TYPE

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] TYPE OF APPLICATION - Check Those Which Apply for [A]" [1] Location - Spacing Unit - Simultaneous Dedication" □ NSL □ NSP □ SD" Check One Only for [B] or [C]" Commingling - Storage - Measurement" ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM" DHC Injection - Disposal - Pressure Increase - Enhanced Oil Recovery" [C] □ WFX X PMX □ SWD □ IPI □ EOR □ PPR" Other: Specify Additional Injector within approved project area (R-6199-G)Á [D] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply [2] Working, Royalty or Overriding Royalty Interest Owners [A] [B]Offset Operators, Leaseholders or Surface Owner Application is One Which Requires Published Legal Notice [C] [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, Waivers are Attached [F]SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE [3] OF APPLICATION INDICATED ABOVE. **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 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 RecoveryXPressure MaintenanceDisposalStorage Application qualifies for administrative approval?XYesNo
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:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, 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

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. 332 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. 332
- 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 #332" 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
30-025-07520	NORTH HOBBS G/SA UNIT #221	OCCIDENTAL PERMIAN LTD	Plugged
30-025-07624	SOUTH HOBBS G/SA UNIT #013	OCCIDENTAL PERMIAN LTD	Plugged
30-025-12504	NORTH HOBBS G/SA UNIT #532	OCCIDENTAL PERMIAN LTD	Plugged
30-025-07542	STATE LAND SECTION 32 #008	OXY USA INC	Plugged
30-025-07541	STATE LAND SECTION 32 #007	OXY USA INC	Plugged

The wellbore diagrams, their tabulated data, and the area of review map are attached.

VII. Proposed Operation

Average Injection Rate
 Maximum Injection Rate
 3,000 BWPD / 10,000 MCFGPD
 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)

 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. Acid stimulate well with \sim 4,000 gal 15% HCL. Max rate = 4-5 BPM. Flush acid with \sim 200 bbls off fresh water.
- X. Logs were filed at the time of drilling.

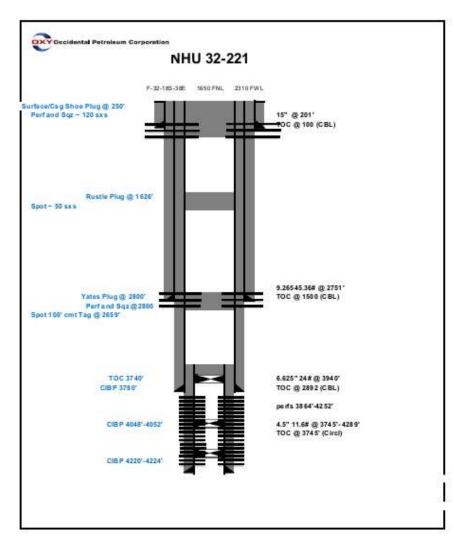
XI. Water analysis from 72697 Going Lane Office and DUNLIN-1 and their location map are included with the application.

WATER WELL NAME	LAT	LONG	Date Collected
72697 Going Lane Office	32°42′18.86″N	103°11′01.82″W	10/31/2013
DUNLIN-1	32°41'33.50"N	103°10'24.76"W	8/30/2019

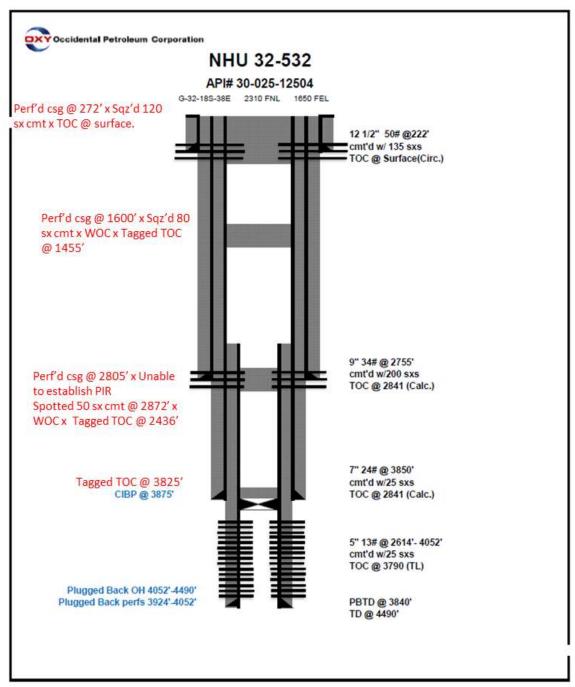
- XII. N/A. This is a pressure maintenance project, not a disposal well.
- XIII. Order No. R-6199-F allows the administrative approval, from the Division Director, of additional injection wells without notice and hearing. Notices to producers and surface owners for the water/CO2 flood area were provided 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)
30-025-07520	OCCIDENTAL PERMIAN LTD	NORTH HOBBS G/SA UNIT	221	Oil	Plugged, Not Released	1650	N	2310	w	F	32	185	38E	N/A	4290

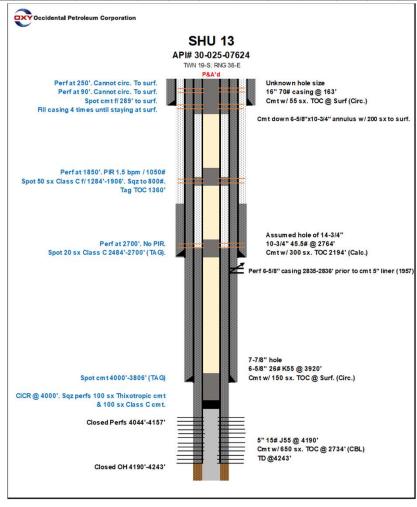
HOLE SIZE (in)	CSG. SIZE (in)	SET AT (ft)	SX. CMT.	CMT. TOP (ft)	MTD.	COMPLETION	REMARKS
	15.500	201	200	Surf	Circ	3876-4252	Well Plugged on 10/20/2021
	9.625	2751	600	Surf	Circ	HOBBS; GRAYBURG-SAN ANDRES	
	6.625	3940	200	Surf	Circ		
	4.500	4289	75	3748	CBL		



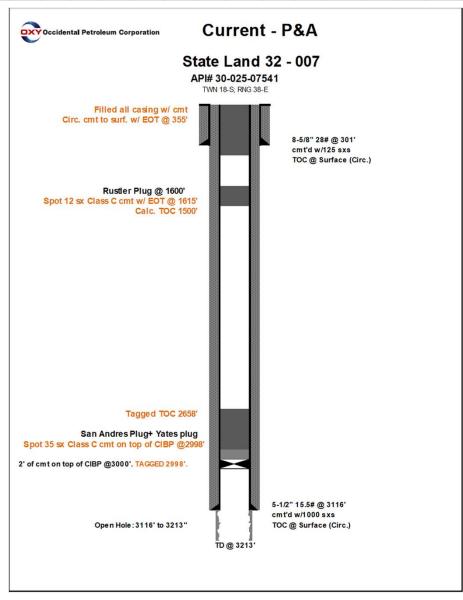
API NUMBER	OPERATOR	LEASE	WELL	WELL	STATUS	FTG.	N/S	FTG.	E/W	UNIT	SEC.	TSHP.	RNG.	DATE	TVD	HOLE	CSG.	SET	SX.	CMT.	MTD.	COMPLETION	REMARKS
AITHOMBER	OFERATOR	NAME	NO.	TYPE	O IA IOO	N/S	1470	E/W		ONT	OLO.	101111	IXIVO.	DRILLED	(ft)	SIZE (in)	SIZE (in)	AT (ft)	CMT.	TOP (ft)	WITE.	COMPLETION	KEMAKKO
																12.250	10.250	222	135	Surf	Circ	4052'-4490'	Well Plugged on 05/26/2022
30-025-12504	OCCIDENTAL PERMIAN LTD	NORTH HORRS G/SA LINIT	532	Oil	Plugged, Not Released	2310	N	1650	-	6	32	185	38E	11021	4490	9.000	8.625	2755	200	2841	Calc	HOBBS; GRAYBURG-SAN ANDRES	
30-023-12304	OCCIDENTAL I ENVIIANTED	NOKITI NOBBS G/SA ONTI	332	011	i lugged, Not Neleased	2310		1030	- 1	١	32	103	JOL	11021	4490	7.000	5.500	3850	25	2841	Calc		
																	5.000	4052	25	3790	TL	1	



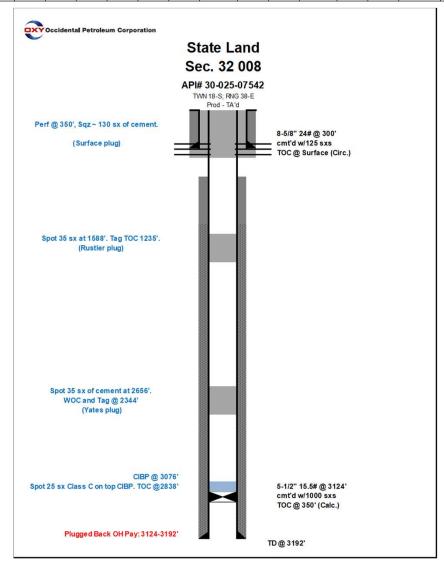
API NUMBER	OPERATOR	LEASE	WELL	WELL	STATUS	FTG.	N/S	FTG.	E/W	UNIT	SEC.	TSHP.	RNG.	DATE	TVD	HOLE	CSG.	SET	SX.	CMT.	MTD.	COMPLETION	REMARKS
		NAME	NO.	TYPE		N/S		E/W						DRILLED	(ft)	SIZE (in)	SIZE (in)	AT (ft)	CMT.	TOP (ft)			
		SOUTH														Unkn	16	163	55	Surf	Circ	4044'-4243'	
30-025-07624	OCCIDENTAL PERMIAN	HOBBS G/SA	013	Injection	Plugged, Site	220	NI NI	2210	\A/	_	_	100	38E	9/4/1930	4243	14.75	10.75	2764	300	2194	Calc	4044 4243	Well Plugged on 09/05/2019
30-023-07024	LTD	UNIT	013	Injection	Released	330	I IV	2310	٧٧	"	,	155	300	3/4/1330	4243	7.875	6.625	3920	350	Surf.	Circ	GRAYBURG-SAN ANDRES	Well Flugged Oil 05/03/2015
1		UNII														7.875	5	4190	975	2734	CBL	GRATBORG-SAN ANDRES	



API NUMBER	OPERATOR	LEASE	WELL	WELL	STATUS	FTG.	N/S	FTG.	F/M	LINIT	SEC.	TSHP.	RNG.	DATE	TVD	HOLE	CSG.	SET	SX.	CMT.	MTD.	COMPLETION	REMARKS
AITHOMBER	OFERATOR	NAME	NO.	TYPE	OTATOO	N/S	14/0	E/W	2700	UNIT	OLO.	101111	itito.	DRILLED	(ft)	SIZE (in)	SIZE (in)	AT (ft)	CMT.	TOP (ft)	WITE.	COMPLETION	KEMAKKO
30-025-07541	OXY USA INC	STATE LAND	007	Oil	Plugged, Site	EOE	c	585	-	D	22	100	205	6/7/1948	3213	11	8.625	301	125	Surf	Circ	3116'-3213'	Well Plugged on 01/31/2020
30 023 07341	OXI OSA IIVC	SECTION 32	007	011	Released	585		303			32	103	302	0,7,1340	3213	7.875	5.5	3116	3116	Surf	Circ	BOWERS; SEVEN RIVERS	Well 1 ldgged 011 01/31/2020



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
ALTHOMBER	OI LIGHTOR	NAME	NO.	TYPE	OIAIGO	N/S	14/0	E/W	_,••	Olti	OLO.	101111	itito.	DRILLED	(ft)	SIZE (in)	SIZE (in)	AT (ft)	CMT.	TOP (ft)	III.	COMIT EL TION	KEMAKKO
30-025-07542	OXY USA INC	STATE LAND	000	Oil	Plugged, Site	1980	c	660	-	- 1	22	100	38F	7/1/1945	3192	11	8.625	300	125	Surf	Circ	3124'-3192'	Well Plugged on 09/14/2021
30 023 07342	OXI OSA INC	SECTION 32	000	"	Released	1500		000	_	'	32	103	301	//1/1545	3132	7.875	5.5	3124	1000	350	Calc	BOWERS; SEVEN RIVERS	Well Flugged 011 05/14/2021



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: Jose 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? 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.
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*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.
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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 Gago
	SIGNATURE:DATE:
*	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. F-6199-F application

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.
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 - (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

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- (3) The formation name and depth with expected maximum injection rates and pressures; and,
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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.

INJECTION WELL DATA SHEET

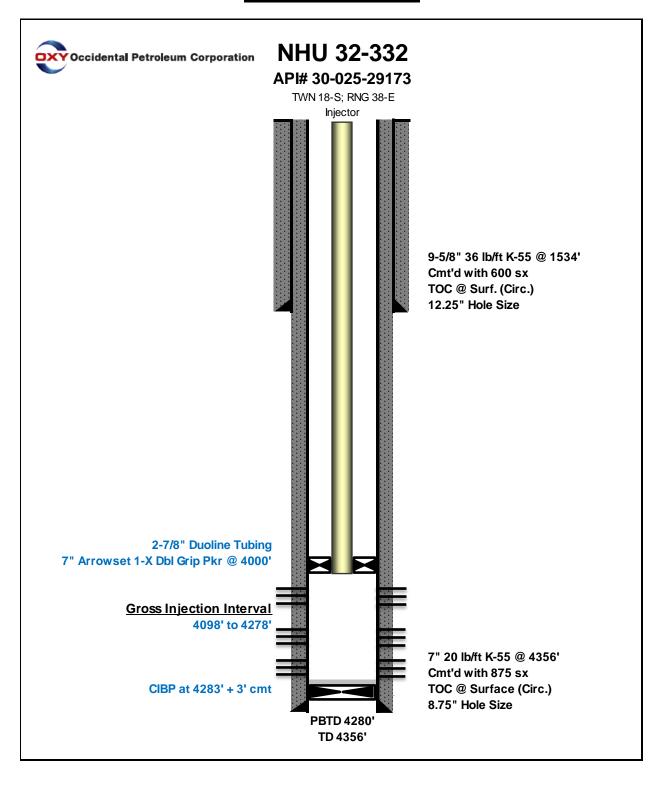
Side I	INJECTION WELL DATA SHEET			
OPERATOR: OCCIDENTAL PERMIAN LTD				
WELL NAME & NUMBER: North Hobbs G/SA Unit	#332			
WELL LOCATION: 1550 FSL, 2350 FEL	J	32	18S	38E
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE
WELLBORE SCHEMATIC		<u>WELL C</u> Surface	CONSTRUCTION DAT Casing	<u>'A</u>
See attached				
	Hole Size: 12.25"		Casing Size: 9.625'	
	Cemented with: 600	sx.	or	ft ³
	Top of Cement: Surface)	Method Determined	d: Circ.
		<u>Intermedia</u>	ate Casing	
	Hole Size:		Casing Size:	
	Cemented with:	sx.	or	ft ³
	Top of Cement:		Method Determined	1:
		Productio	on Casing	
	Hole Size: 8.75"		Casing Size: 7"	
	Cemented with: 875	SX.	or	ft ³
	Top of Cement: Surface	<u> </u>	Method Determined	l: Circ.
	Total Depth: <u>4356'</u>			
		Injection	Interval	
	4060'	fee	et to4220' (F	Perforated)

(Perforated or Open Hole; indicate which)

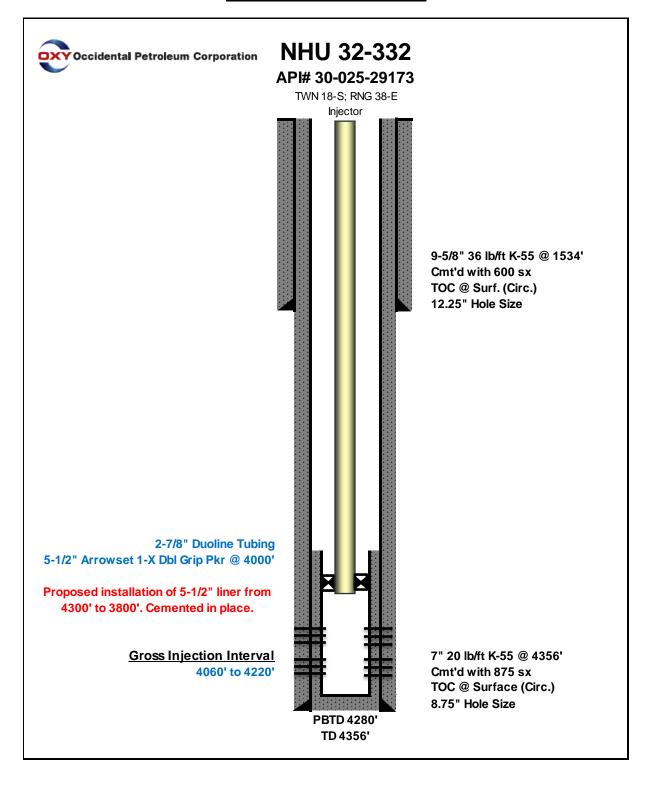
INJECTION WELL DATA SHEET

Tubing Si	_{ize:} 2.875"	ining Material: Duoline (fiberglass)
Type of Pa	acker: 7" Arrowset 1-X Dbl Grip	
Packer Se	etting Depth: 4000'	
Other Ty	pe of Tubing/Casing Seal (if applicable):	NA
	<u>Additio</u>	onal Data
1. Is thi	is a new well drilled for injection?	YesXNo
If no	, for what purpose was the well originally	y drilled? Producer
2. Nam	e of the Injection Formation: Grayburg/S	an Andres
3. Nam	e of Field or Pool (if applicable): Hobbs	; Grayburg - San Andres
	the well ever been perforated in any othe vals and give plugging detail, i.e. sacks o	• • • • • • • • • • • • • • • • • • • •
	the name and depths of any oil or gas zo	ones underlying or overlying the proposed
Bye	rs (Queen) @ 260' TVDSS	
Glo	rieta @ -1660' TVDSS	

Current WBD



Proposed WBD



XICO OIL CONSERVATION COMMISSIC WELL LOCATION AND ACREAGE DEDICATION PLAT

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

RONALD J. EIDSON

3239

All distances must be from the outer boundaries of the Section Operator SHELL WESTERN E. & P., INC. NORTH HOBBS UNIT SECTION 32 332 Unit Letter County 188 38E LEA Actual Footage Location of Well: 2350 feet from the line and EAST feet from the line Ground Level Elev. Producing Formation Pool Dedicated Acreage: 3626.4' GL GRAYBURG/SAN ANDRES HOBBS (GRAYBURG/SAN ANDRES) 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? If answer is "yes;" type of consolidation X Yes No <u>UNITIZATION</u> If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of 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. Nome FORE Position SUPERVISOR REG Company SHELL WESTERN E&P INC. MARCH 6, 1985 I heraby certify that the well location true and correct to the best of my 2350 1550 Date Surveyed 5/8/84 Registered Professional Engineer 676 Released to Imaging: 12/19/2023 10:12:26 AM

2000

30-025-05488 30-025-29098 Religion od D D 9/2023 10:10:56 AM 30-025/49038 _ W.J.(11) __ 30-025-28881) TESE, Rd SWSW Treyno MSESW SWSE 30-025-073630-025-07383 (N) 30-025-1249330-025-07371 30-025-07373 3 30-025-07383 30-025-05490 30-025-29062³30-025-05486 ²²⁴²¹30-025-07365 G/SA Unit 332 30-025-07077 37077, 30-025-07469 30-025-07469 30-025-07469 30-025-07469 30-025-07469 30-025-07469 30-025-07469 30-025-07469 30-025-07469 725-2919/7 NEN30-025-23384 700-025-53222 N50025-37474 NWNE (A) 30-025-23919 30-025-23622 30-025-23822 30-025-07452 30-025-07452 30-025-07452 30-025-07454 30-025-28883 30-025-28883 30-025-28883 30-025-28883 30-025-28883 **AOR** NWNW NENW NWNE 455 30 025-07422 (C) 30-025-07425 NE30-025-37481 (30-025-37118 L1 30-025-37102) 30-025-353323) 30-025-34983 Z 30-025-26833 30-025-28412 30-025-27059 30-025-38257 30-025-37455 30-025-28953 30-025-27474 30-025-37475 30-025-37475 30-025-37475 30-025-37475 30-025-37481 30-02 30-025-26933 Oil and Gas Wells 30-025-07426 SEN 30-025-07428 SWNE (https://doi.org/10.025.31655 30.025-07427 30.025-07427 30.025.31655 30.025 SW30-025-05505 SENE Wells - Large Scale Miscellaneous 30-025-24742 30-025-22864 30-025-22864 30-025-2884 30-025-2884 30-025-2884 30-025-3576 30-025-3576 30-025-3576 30-025-3576 30-025-3576 30-025-3576 30-025-3576 30-025-3576 30-025-3576 30-025-3576 30-025-3576 30-025-3576 30-025-3576 30-025-3768 30-025-3687 30-CO2, Active CO2, Cancelled 30-025-07410 CO2, Temporarily Abandoned 30.025-07511 30.025-07505 30.025-0749430-023-07486 30.025-07529 30.025-29017 30.025-35671 30.025-07515 30.025 ■30-025-07408 Gas, Temporarily Abandoned 0.025-07596 SENE 30.025-07518 (F) 0.025-27140 30.025-07518 30.025-27140 30.025-07518 30.025-0751 (H₃₀₋₀₂₅₋₀₇₅₅₄ (30-025-26375 30-025-07578 G Injection, Cancelled SWNE 30-025-0752130-025-07538 025-07537 30-025-07544 30-025-35758 30-025-2319530-025-43282 30-025-2319530-025-43282 7521 30-025-07338 30-025-3627 NW-30-025-23309 30-025-3627 (*) *30-025-34374 (*) *30-025-07 30-025-07507, 3639 ft 30-025-37214 NESW 30-025-0749930-025-12503 NE30-025-07501 0:025:23045 30-025-5385 (K) (J) 30-025-4976 30-025-48768 60-025-07530 (K) 32-025-07530 30-025-3857230-025-30308 30-025-0755330-025-28269 njection, Temporarily Abandoned 30-025-3498030-025-26834 30-025-27139 0-025-29173 30-025-26974 18S 37E 30-025-28411 30-025-44720 30-025-44720 30-025-44721 30:025-07500 30-025-0753430-025-0753330-025-35452 0-025-3156230-025-32505 30-025-(0) (P) & 30-025-07647 30-02 , Temporarily Abandoned Salt Water Injection, Active L1 It Water Injection, Cancelled It Water Injection, New 19 30-025-250130-025-07628 30-025-27628 30-025-07641 30-025-07631 30-025-07631 30-025-07630 SWN30. alt Water Injection, Plugged (E) 30-025-07597/ 30-025-28981 - 30-025-43099 30-025-31422 Salt Water Injection, Temporarily Abandoned 30-025-29084 W Lexas St 30-025-20933 030-025-44612 Water, Active 30-025-0764430-025-0764230-025-4461130-025-44313 19S 37E 30-025-4309630-025-43102:sw 30-025-26319 30-025-26300 30-025-28343 30-025-28344 30-025-28344 30-025-0763430-025-29520 NESW 30-025-07623 30-025-07621 NWSE 30-025-07617 Nater Cancelled 30-025-44312 30-025-28982 30-025-2908230-025-34946 30-025-28983 30-025-314 30-025-0763330-025-29521 30-025-07622 Water, Temporarily Abandoned SWSE 30-025-44309 30-025-42592 30-025-29054 30-025-28985 30-025-28986 30-025-29412 30-025-07618 30-025-343104 20105 (N) 5-07653E 30-025-43104/30-025-43106/E30-025-43101 NWNE (B) 30-025-12512) 30-025-3995530-025-43105/E30-025-43101 (B) 30-025-30954 30-025-43105/E30-025-43105/E30-025-43100 (B) OCD Districts and Offices 30-025-07662 30-025-07669 30-025-28355 3 OCD District Offices NENW (C) (B) 30-025-31933) 30-025-28356 30-025-28357 30-025-28358 30-025-28359 30-025-07655 30-025-12513 SWNE 930-02 (G) 30-025-07671 30-025-28543 30-025-07678 SEN 30-025-07678 (G) 30-025-07678 (G) 30-025-07683 (F) 30-025-0760 (F) 30-025-0760 (F) 30-025-0760 (F) 30-025-0760 (Public Land Survey System (E) (F) 195 38F PLSS Second Division 19S 37E 30-025-28363 30-025-2836430-025-28365 77666 NESWASA, NGA, USRAWSBA-928-97669wgg-35-028-8 87619-wwg-39-025-0285 Street and avector and avector and avector of the street and avector of th FLS Released to Imaging: 12/19/2023 10:12:26 AM NESS

MITCHELL ANALYTICAL LABORATORY

2638 Faudree Odessa, Texas 79765-8538 561-5579

Company:	Nalco Com	pany					
Well Number: Lease: Location: Date Run: Lab Ref #:	Going Lane Office OXY 10/31/2013 13-nov-n72697				Sample Temp: Date Sampled: Sampled by: Employee #: Analyzed by:	70 10/24/2 Bobby H 27-022 GR	
Hydrogen Sulf Carbon Dioxid Dissolved Oxy	e (CO2)		Dissolved (LYZED	Mg/L .00	Eq. Wt. 16.00	MEq/L .00
Calcium Magnesium Sodium Barium Manganese Strontium	(Ca++ (Mg+- (Na+) (Ba++ (Mn+) (Sr++	·) ·)	Cations NOT ANAI		57.89 21.03 116.11 .00	20.10 12.20 23.00 27.50	2.88 1.72 5.05
Hydroxyl Carbonate BiCarbonate Sulfate Chloride	(OH-) (CO3= (HCO3 (SO4= (Cl-)	8-)	Anions		.00 .00 342.16 56.00 103.11	17.00 30.00 61.10 48.80 35.50	.00 .00 5.60 1.15 2.90
Total Iron Total Dissolve Total Hardnes Conductivity M		М			0 696.30 230.95 976	18.60	.00
рН	7.600			Specifi	c Gravity 60/60) F.	1.000
CaSO4 Solubili CaCO3 Scale Inc 70.0 80.0	•	19 100.0 110.0	.15MEq/L, .070 .310	130. 140.		0	
90.0	.070	120.0	.310	150.	0 .81	0	

Goins Lane Office

32°42′18.86″N 103°11′01.82″W

GSI Job No. 5238 Issued: 7 November 2019 Page 1 of 2



TABLE 1 WATER QUALITY ANALYTICAL RESULTS

Results of Water Supply Well Sampling and Investigation South Hobbs Grayburg/San Andres Unit, Hobbs, New Mexico Occidental Petroleum Corporation

Matrix: Groundwater Groundwate

						Location ID:	Aldaz-1	Aldaz-1	Cochran D-1	Cochran D-1	Curtis-1	Dulin-1	IWW-1	Levey-1
						Sample Date:	8/29/2019	10/18/2019	9/3/2019	9/3/2019	9/5/2019	8/30/2019	10/23/2019	7/24/2019
						Sample Type:	N	N	N	Dup	N	N	N	N
		USI	PA	NN	IED	Collected By:	GSI	GSI	GSI	GSI	GSI	GSI	GSI	GSI
Analyte Type	Analyte	Screening Limit	Limit Type	Screening Limit	Limit Type	Units								
Coliform	E. Coli		NS		NS	Unitless	-	-	-	-	-	-	-	Absent
Coliform	Fecal Coliforms		NS		NS	MPN/100 mL	-	-	-	-	-	-	-	<2
Coliform	Total Coliforms		NS		NS	Unitless	-	-	-	-	-	-	-	Present
Inorganic	Alkalinity, Bicarbonate as CaCO3		NS		NS	mg/L	242	-	149	102	158	270	-	1040
Inorganic	Alkalinity, Bicarbonate as HCO3		NS		NS	mg/L	-	-	-	-	-	-	386	-
Inorganic	Alkalinity, Carbonate as CaCO3		NS		NS	mg/L	<20	-	<20	<20	<20	<20	-	<20
Inorganic	Alkalinity, Total as CaCO3		NS		NS	mg/L	242	-	149	102	158	270	316	1040
Inorganic	Chloride	250	SMCL	250	WQS	mg/L	143	-	78.3	77.4	50.5	174	88	248
Inorganic	Nitrate Nitrite as N	10	MCL	10	WQS	mg/L	1.96	-	1.77	1.76	3.46	5.99	0.031	0.334
Inorganic	Sulfate	250	SMCL	600	WQS	mg/L	137	-	53.7	53.2	56.1	62.4	94.6	287
Inorganic	Sulfide (Total)		NS		NS	mg/L	-	-	-	-	-	-	<0.01	-
Inorganic	Sulfide as H2S, Dissolved-Dissolved		NS		NS	mg/L	0.137	-	<0.00954	<0.00954	< 0.00954	<0.00954	-	-
Inorganic	Total Dissolved Solids (TDS)	500	SMCL	1000	WQS	mg/L	756	-	369	377	355	774	579	1750
Inorganic	Total Organic Carbon		NS		NS	mg/L	-	-	-	-	-	-	-	1.3
Metal	Calcium		NS		NS	mg/L	111	-	70.5	72.8	72.2	139	48.8	369
Metal	Iron	0.3	SMCL	1	WQS	mg/L	2.52	-	<0.027	<0.027	<0.027	<0.027	0.71	11
Metal	Iron, Dissolved	0.3	SMCL	1	WQS	mg/L	-	-	-	-	-	-	0.283	-
Metal	Magnesium		NS		NS	mg/L	19.1	-	12.5	12.8	12.1	24.4	11.9	64.1
Metal	Manganese	0.05	SMCL	0.2	WQS	mg/L	0.133	-	0.0004 J	0.0005 J	0.0005 J	0.0533	0.161	12.5
Metal	Manganese, Dissolved	0.05	SMCL	0.2	WQS	mg/L	-	-	-	-	-	-	0.134	-
Metal	Potassium		NS		NS	mg/L	3.61 b	-	2.3	2.36	2.28	3.66 b	4.6 Ja	5.77
Metal	Sodium		NS		NS	mg/L	132 b	-	47.7	48.9	40.9	95.6 b	160	88.8 b
Field Parameter	Dissolved Oxygen		NS		NS	mg/L	7.73	1.12	8.3	8.3	12.5	2.47	1	8.24
Field Parameter	Oxidation-reduction Potential (ORP)		NS		NS	mV	-35	53	79	79	101	12	-36	9
Field Parameter	pH, Field	6.5 - 8.5	SMCL	6 - 9	WQS	ph Units	7.41	7.26	7.21	7.21	6.86	7.24	7.59	5.96
Field Parameter	Specific Conductance, Field		NS		NS	mmhos/cm	1.2	1.26	0.671	0.671	0.65	1.24	0.966	2.51
Field Parameter	Temperature		NS		NS	°C	19.83	18.41	19.95	19.95	19.52	20.12	19.96	22.72
Field Parameter	Turbidity		NS		NS	NTU	24.3	0	0	0	0	5.6	0	47.6

<u>Notes</u>

- 1. NS = No standard; "-" = not analyzed.
- 2. "<" = concentration below the Minimum Detection Limit (MDL); "J" = estimated concentration above the MDL but below the quantitation limit; "b" = compound was found in the blank and the sample.
- 3. mg/L = milligrams per liter; MPN/100 mL = Most Probable Number of viable cells in 100 milliliters of sample.
- 3. Samples analyzed at Eurofins TestAmerica, Houston, Texas and Cardinal Laboratories, Hobbs, New Mexico.
- 4. MCL = Maximum Contaminant Level; SMCL = Secondary Maximum Contaminant Level. These standards are set by the U.S. Environmental Protection Agency (U.S. EPA).
- 5. WQS = Water quality standards for groundwater presented in 20.6.2 NMAC New Mexico Water Quality Control Comission Regulations, New Mexico Environment Department (NMED).
- 6. The Levey-1 sample was comprised of water actively expelled from the wellhead at the time of sampling.

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

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 296114

CONDITIONS

Operator:	OGRID:
OCCIDENTAL PERMIAN LTD	157984
P.O. Box 4294	Action Number:
Houston, TX 772104294	296114
	Action Type:
	[IM-SD] Admin Order Support Doc (ENG) (IM-AAO)

CONDITIONS

Created By	Condition	Condition Date
mgebremichael	None	12/19/2023