

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

October 28, 2021

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

RE: Pressure Maintenance Project
North Hobbs G/SA Unit
Well No. 970
API: New Drill
Letter I, Section 31, T-18S, R-38E
Lea County, NM

To Mr. Richard Ezeanyim, Chief Engineer:

Occidental Permian Ltd. respectfully request administrative approval, without hearing, to commence injection (water, CO2, and produced gas) per the authorized Order No. R-6199-F. In support of this request please find the following documentation:

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

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

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

Sincerely,

Regulatory Engineer

Lui Gago J.

ENGINEER APP NO. 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 CHECK	<u> </u>
Th	HIS CHECKLIST IS MA	IANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVI WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE	
Applic	[DHC-Dowr [PC-Po	ndard Location] [NSP-Non-Standard Proration Unit] [SD-Simulta Indard Location] [NSP-Non-Standard Proration Unit] [SD-Simulta Indapped Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Cool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Ex [SWD-Salt Water Disposal] [IPI-Injection Pressure Increadalified Enhanced Oil Recovery Certification] [PPR-Positive Production]	ease Commingling] • Measurement] pansion] ase]
[1]	TYPE OF AP [A]	PPLICATION - Check Those Which Apply for [A]" Location - Spacing Unit - Simultaneous Dedication" NSL NSP SD"	
	Check [B]	Commingling - Storage - Measurement" DHC CTB PLC PC OLS C	OLM"
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery WFX X PMX SWD IPI EOR	y" PPR"
	[D]	Other: Specify Additional Injector within approved project area (R-6199	<u>9-F)</u> á
[2]	NOTIFICATI [A]	TION REQUIRED TO: - Check Those Which Apply, or Does N Working, Royalty or Overriding Royalty Interest Owners	ot Apply
	[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]		CURATE AND COMPLETE INFORMATION REQUIRED TATION INDICATED ABOVE.	O PROCESS THE TYPE
	al is accurate an	TION: I hereby certify that the information submitted with this append complete to the best of my knowledge. I also understand that n equired information and notifications are submitted to the Division.	
	Note:	: Statement must be completed by an individual with managerial and/or superv	
	e L Gago	Signature Sepol. Engineer, F	Regulatory 10/29/2021
Print of	r Type Name	Signature / V Title jose_gago	
		<u>joso_gagov</u>	<u> </u>

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: Jose L Gago PHONE: 832-646-4450
III.	WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing project? 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: Jose L Gago
	SIGNATURE:
*	E-MAIL ADDRESS: Jose_Gago@oxy.com If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: February 11, 2014 as part of Order No. R-6199-F application

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. 970 Lea County, New Mexico

- I. This is a pressure maintenance project. The project qualifies for administrative approval.
- II. OCCIDENTAL PERMIAN Ltd.

P.O. Box 4294 Houston, TX 77210-4294

Contact Party: Jose Gago, 832-646-4450

- III. Injection well data sheet and wellbore schematic has been attached for NORTH HOBBS G/SA UNIT No. 970
- 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 #970" shows no substantive changes in the information furnished in support of Order No. R-6199-F concerning the status of construction of any well that penetrates the injection interval within the one-half (1/2) mile around the injection well, with the exemption of the wells below:

API	Well Name	Operator	Status after Jan 2014
30-025-07641	SOUTH HOBBS G/SA UNIT 026	OCCIDENTAL PERMIAN LTD	P & A
30-025-44610	SOUTH HOBBS G/SA UNIT 288	OCCIDENTAL PERMIAN LTD	New Well

The wellbore diagrams and tabulated well data is attached.

VII. The area of review is attached.

Average Injection Rate
 Maximum Injection Rate
 4,000 BWPD / 15,000 MCFGPD
 9,000 BWPD / 20,000 MCFGPD

2 This will be a closed system.

3. Average Surface Injection Pressure 1,100 PSIG

Maximum Surface Injection Pressure

Produced Water 1,100 PSIG
CO2 1,250 PSIG
CO2 w/produced gas 1,770 PSIG

(In accordance with Order No. R-6199-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.

- a. Well will be perforated using slick gun system, 4- jspf, 90-degree phasing
- b. Acid stimulated using ~ 6000 gals of 15% HCL NEFE, pumped using a straddle packer assembly (PPI Tool)
- c. Acid will be flush with approximately 100 bbls of fresh water
- d. Max injection rate per cluster: 4 to 5 bpm.
- X. Logs will be filed at the time of drilling.

- XI. The information was previously submitted as part of case No. 15103 Order R6199F Effective May 22, 2014.
- XII. N/A. This is a pressure maintenance project, not a disposal well.
- XIII. Section 3 of Order No. R-6199-F allows the administrative approval, from the Division Director, of additional injection wells without notice and hearing. Notices to producers and surface owners for the water/CO2 flood area were provided at the time of the application and hearing for Order No. R-6199-F.

INJECTION WELL DATA SHEET

Side I		INJECTION WELL DATA SHEET			
OPERATOR: Occiden	ntal Permian LTD.				
WELL NAME & NUM	MBER: NORTH HOBBS G/SA UNIT 97	0			
WELL LOCATION:	1562' FSL 902' FEL	1	31	18 S	38 E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE
<u>WELL</u>	BORE SCHEMATIC		WELL C Surface	ONSTRUCTION DAT Casing	<u> </u>
		Hole Size: 13 1/2"		Casing Size: 9 5/8	
		Cemented with: 515	SX.	or	ft ³
		Top of Cement: Surface	e	Method Determined	d: Circulated
			<u>Intermedia</u>	te Casing	
		Hole Size:		Casing Size:	
		Cemented with:	SX.	or	ft ³
		Top of Cement:		Method Determined	d:
			<u>Productio</u>	n Casing	
		Hole Size: 8 3/4"		Casing Size: 7"	
		Cemented with: 775	SX.	or	ft ³
		Top of Cement: Surface	e	Method Determined	d: Circulated
		Total Depth:4500'	TVD / 4780' M	D	
			Injection	Interval	
		perforated from 39	50' TVD fee	_{et to} Base of the ur	nit @ 4500' TVD

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tub	ing Size: 2 - 7/8" Lining Material: Duoline
Typ	be of Packer: 5-1/2" x 2 3/8" 14-20# AS1-X Double Grip injection Packer
Pac	ker Setting Depth: approx. 3900' TVD or 4135' MD
Oth	er Type of Tubing/Casing Seal (if applicable):
	Additional Data
1.	Is this a new well drilled for injection?XYesNo
	If no, for what purpose was the well originally drilled?
2.	Name of the Injection Formation: San Andres
3.	Name of Field or Pool (if applicable): Hobbs; Grayburg - San Andres
4.	Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) usedNo
5.	Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:
	Queen @ 177' TVDSS or 3450' TVD
	Glorieta @ -1780' TVDSS or 5430' TVD

WELLBORE DIAGRAM

(updated: 10/27/2021)

Revision 0

San Andres

TBD

WELL# NORTH HOBBS G/SA UNIT #970

Spud: TBD

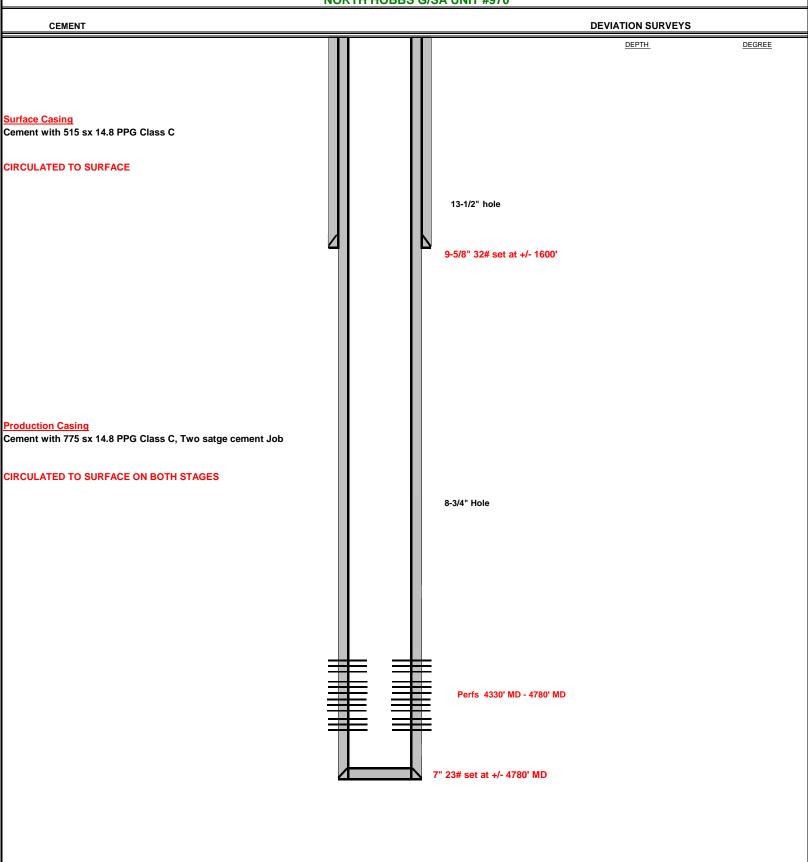
API#

Zone:

GL elev

3634.20

NORTH HOBBS G/SA UNIT #970



<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

1000 Rto Brazos Road, Aztec, NM 8/410 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 Numbe	er	Pool Code	Pool Name						
30-025-		31920	HOBBS; GRAYBURG-SAN AND	RES					
Property Code		Prop	erty Name	Well Number					
19520		NORTH HOB	BS G/SA UNIT	31-970					
OGRID No.		Oper	rator Name	Elevation					
157984		OCCIDENTAL	PERMIAN LTD.	3634.2'					

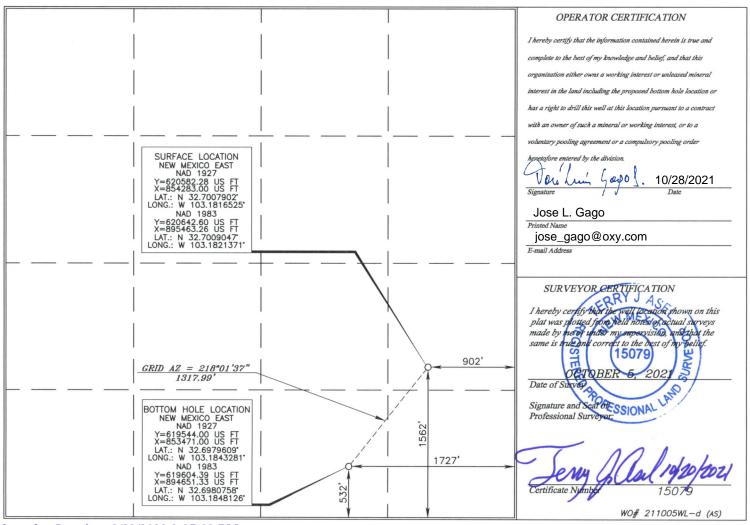
Surface Location

	UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	I	31	18 SOUTH	38 EAST, N.M.P.M.		1562'	SOUTH	902'	EAST	LEA
٠										

Bottom Hole Location If Different From Surface

				20000111 110			- 11101 0110 1	TOIN DUNIE	_		
UL or lot n	o. Sec	ction	Township	Range		Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	3	31	18 SOUTH	38 EAST, N.	М. Р. М.		532'	SOUTH	1727'	EAST	LEA
Dedical	ted Acr	res	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.



Released to Imaging: 2/23/2023 3:07:08 PM

North Hobbs G/SA Unit 970 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, Nev
- 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, Nev
- Water, Plugged
- Water, Temporarily Abandoned
- ? undefined

OCD Districts and Offices

OCD District Offices

 \star

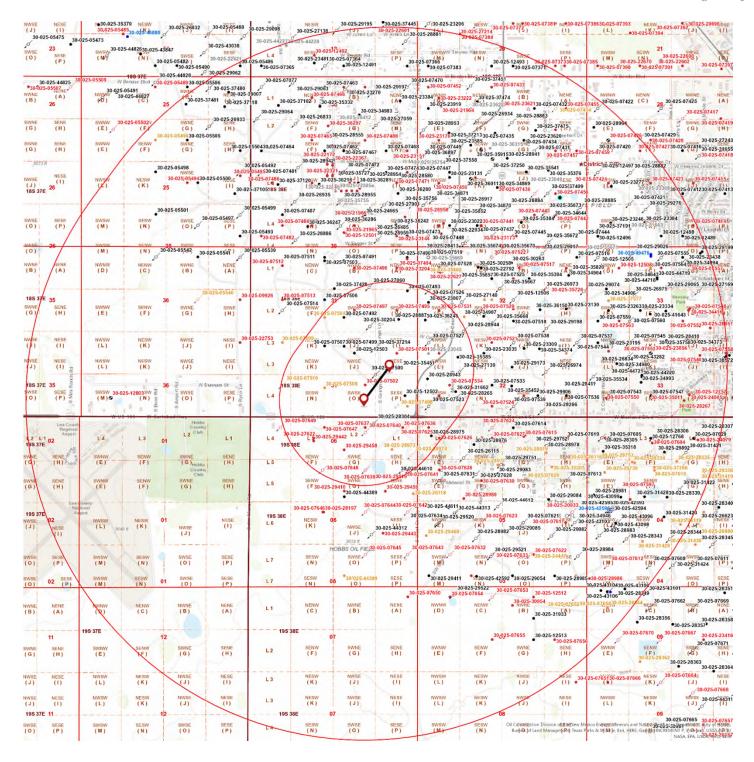
Public Land Survey System

PLSS Second Division

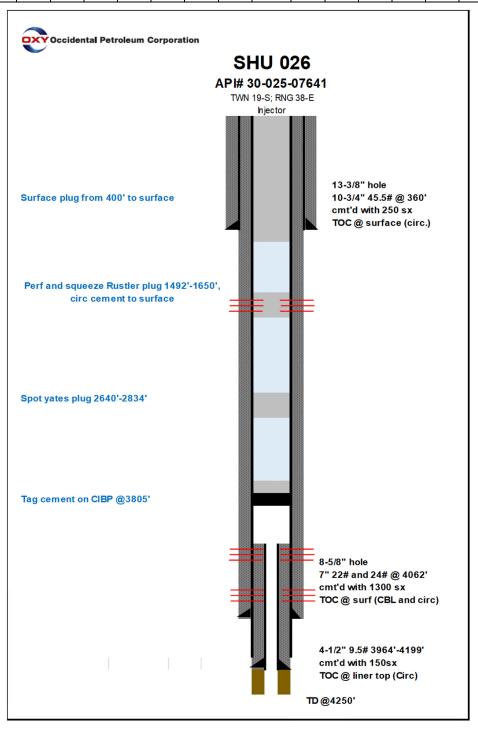


PLSS First Division





API NUMBER	OPERATOR	LEASE	WELL NO.	WELL	STATUS	FTG.	N/S	FTG.	E/W	UNIT	SEC.	TSHP.	RNG.	DATE DRILLED	TVD (ft)	HOLE SIZE (in)	CSG.	SET AT (ft)	SX. CMT.	CMT. TOP (ft)	MTD.	COMPLETION	REMARKS
		INAIVIE	NO.	ITE		14/3		E/VV						DKILLED	(11)	SIZE (III)	SIZE (III)	AT (IL)	CIVIT.	TOP (II)			
	OCCIDENTAL PERMIAN	SOUTH			Plugged,											13.375	10.75	360	250	Surf	Circ.		
30-025-07641	LTD	HOBBS G/SA	026	Injection	Not	1650	N	480	E	Н	6	195	38E	3/12/1949	4250	8.625	7	4062	1300	Surf	CBL	4011'-4050'	Well Plugged on 03/03/2020
	LID	UNIT			Released											0	4.5	4199	150	3964	Circ	GRAYBURG-SAN ANDRES	



,	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
3	0-025-44610	OCCIDENTAL PERMIAN	SOUTH HOBBS	288	Injection	Active	1816	N	676	Е	Н	6	195	38E	9/26/2018	5196	13.500 8.750	9.625 7.000	1599 5197	860 1295	Surf Surf	Circ	4163'-4360' GRAYBURG-SAN ANDRES	
		LID	G/SA																					

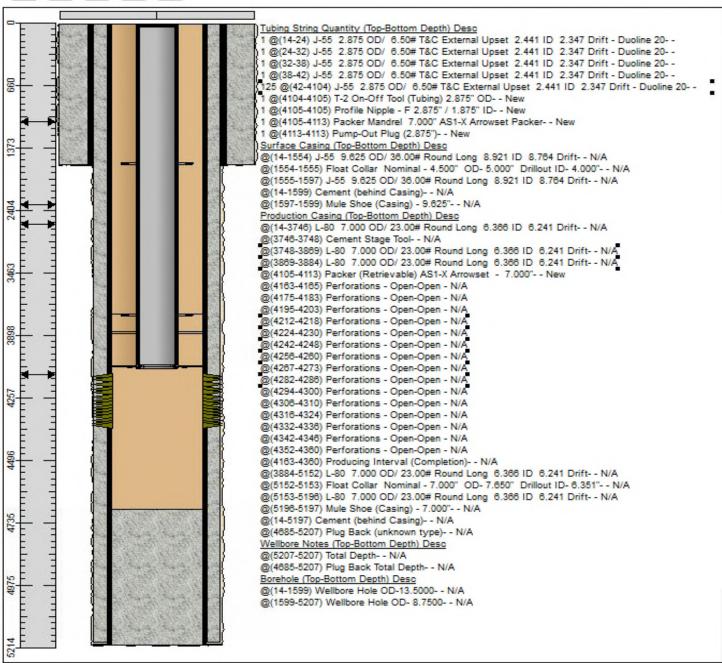








Wellbore Diagram: SHOU-288



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 58747

CONDITIONS

Operator:	OGRID:
OCCIDENTAL PERMIAN LTD	157984
P.O. Box 4294	Action Number:
Houston, TX 772104294	58747
	Action Type:
	[C-108] Fluid Injection Well (C-108)

CONDITIONS

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