Cerved by UCD: 5/16/2025 1:23:41 PM U.S. Department of the Interior BUREAU OF LAND MANAGEMENT		Sundry Print Repor
Well Name: CANYON LARGO UNIT	Well Location: T24N / R6W / SEC 6 / NENE / 36.346909 / -107.50354	County or Parish/State: RIO ARRIBA / NM
Well Number: 331	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMSF078874	<b>Unit or CA Name:</b> CANYON LARGO UNITGLLP/MNCS	Unit or CA Number: NMNM78383C
US Well Number: 3003923325	<b>Operator:</b> HILCORP ENERGY COMPANY	

# **Notice of Intent**

Sundry ID: 2862460

•

Type of Submission: Notice of Intent

Date Sundry Submitted: 07/10/2025

Date proposed operation will begin: 08/31/2025

Type of Action: Plug and Abandonment Time Sundry Submitted: 09:31

**Procedure Description:** Hilcorp Energy Company requests permission to P&A the subject well per the attached procedure, current and proposed wellbore schematics. The Pre-Disturbance Site Visit was held on 07/09/2025 with Roger Herrera / BLM and Bryan Hall (HEC). The Re-Vegetation Plan is attached. A closed loop system will be used.

**Surface Disturbance** 

Is any additional surface disturbance proposed?: No

**NOI Attachments** 

**Procedure Description** 

2025\_07\_08\_CANYON\_LARGO\_UN\_331\_P\_A\_NOI\_20250710093030.pdf

eceived by OCD: 7/16/2025 1:23:41 PM Well Name: CANYON LARGO UNIT

Well Number: 331

Lease Number: NMSF078874

Well Location: T24N / R6W / SEC 6 / NENE / 36.346909 / -107.50354

Type of Well: OIL WELL

Unit or CA Name: CANYON LARGO UNIT--GLLP/MNCS

**Operator:** HILCORP ENERGY COMPANY

County or Parish/State: Rice 2 of 26 ARRIBA / NM

Allottee or Tribe Name:

Unit or CA Number: NMNM78383C

Signed on: JUL 10, 2025 09:30 AM

US Well Number: 3003923325

# **Conditions of Approval**

## Additional

General\_Requirement\_PxA\_20250716130835.pdf

2862460\_331\_3003923325\_NOIA\_KR\_07162025\_20250716130811.pdf

Canyon\_Largo\_Unit\_331\_Geo\_Rpt\_20250716130717.pdf

# Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: TAMMY JONES

Name: HILCORP ENERGY COMPANY

Title: Regulatory Compliance Specialist

Street Address: 382 ROAD 3100

City: AZTEC

State: NM

State:

Phone: (505) 324-5185

Email address: TAJONES@HILCORP.COM

# **Field**

**Representative Name:** 

City:

Phone:

Email address:

**Street Address:** 

Zip:

# **BLM Point of Contact**

BLM POC Name: KENNETH G RENNICK

BLM POC Phone: 5055647742

**Disposition:** Approved

Signature: Kenneth Rennick

BLM POC Title: Petroleum Engineer

BLM POC Email Address: krennick@blm.gov

Disposition Date: 07/16/2025

#### Received by OCD: 7/16/2025 1:23:41 PM

Hilcorp

#### HILCORP ENERGY COMPANY CANYON LARGO UNIT 331 P&A NOI

Page 3 of 26

API #:

#### JOB PROCEDURES

1. Contact NMOCD and BLM (where applicable) 24 hours prior to MIRU.

3003923325

- 2. Hold pre-job safety meeting. Verify cathodic is off. Comply with all NMOCD, BLM, and HEC safety and environmental regulations.
- 3. MIRU service rig and associated equipment; NU and test BOP.
- 4. Set a 4-1/2" CIBP or CICR at +/- 5,525' to isolate the GAL Perfs.
- 5. Load the well as needed. Pressure test the casing above the plug to 560 psig.
- 6. RU Wireline. Run CBL. Record Top of Cement. All subsequent plugs below are subject to change pending CBL results.
- 7. PU & TIH w/ work string to +/- 5,425'.
- PLUG #1: 8sx of Class G Cement (15.8 PPG, 1.15 yield); GAL Perfs @ 5,555' | GAL Top @ 5,539': Pump an 8 sack balanced cement plug inside the 4-1/2" casing (est. TOC @ +/- 5,425' & est. BOC @ +/- 5,525'). Wait on Cement for 4 hours, tag TOC w/ work string. \*Note cement plug lengths & volumes account for excess.
- 9. PUH w/ work string to +/- 4,997'.
- PLUG #2: 36sx of Class G Cement (15.8 PPG, 1.15 yield); DV Tool #1 Top @ 4,947' | MCS Top @ 4,635': Pump a 36 sack balanced cement plug inside the 4-1/2" casing (est. TOC @ +/- 4,535' & est. BOC @ +/- 4,997'). \*Note cement plug lengths & volumes account for excess.
- 11. PUH w/ work string to +/- 3,764'.
- PLUG #3: 65sx of Class G Cement (15.8 PPG, 1.15 yield); MV Top @ 3,714' | CHC Top @ 3,038': Pump a 65 sack balanced cement plug inside the 4-1/2" casing (est. TOC @ +/- 2,938' & est. BOC @ +/- 3,764'). \*Note cement plug lengths & volumes account for excess.
- 13. PUH w/ work string to +/- 2,268'.
- 14. PLUG #4: 63sx of Class G Cement (15.8 PPG, 1.15 yield); PC Top @ 2,218' | FRD Top @ 1,920' | KRD Top @ 1,720' | OJO Top @ 1,570': Pump a 63 sack balanced cement plug inside the 4-1/2" casing (est. TOC @ +/- 1,470' & est. BOC @ +/- 2,268'). \*Note cement plug lengths & volumes account for excess.
- 15. TOOH w/ work string. TIH & perforate squeeze holes @ +/- 272'. Establish circulation.
- 16. PLUG #5: 80sx of Class G Cement (15.8 PPG, 1.15 yield); Surf. Casing Shoe @ 222': Pump 10sx of cement in the 4-1/2" casing X 7-7/8" open hole annulus (est. TOC @ +/- 222' & est. BOC @ +/- 272'). Continue pumping 48sx of cement in the 4-1/2" casing X 8-5/8" casing annulus (est. TOC @ +/- 0' & est. BOC @ +/- 222'). Pump a 22 sack balanced cement plug inside the 4-1/2" casing (est. TOC @ +/- 0' & est. BOC @ +/- 272'). \*Note cement plug lengths and volumes account for excess.

17. ND BOP, cut off Wellhead. Top off cement in surface casing annulus, if needed. Install a P&A marker with cement to comply with regulations. Rig down, move off location, cut off anchors, and restore location.



#### HILCORP ENERGY COMPANY CANYON LARGO UNIT 331 P&A NOI

#### CANYON LARGO UNIT 331 - CURRENT WELLBORE SCHEMATIC

Well 1 PI/UWI 6003923			RGO UNIT #331 pail Location N-6W	Fleid Name	Route 1409		ovince / MEXICO	Well Configuration Type Vertical
round Elev ,536.00	/ation (ft)		SRT Elevation (ft)	Tubing Hanger Elevation (ft)	RK5 to GL (ft) 13.00		sing Flange Distance (ft)	K5-Tubing Hanger Distance (ft)
			Origina	Hole, CANYON L	ARGO UNIT #3	31 [Verti	cal]	
MD (ftKB)	Formation Tops	MD			Vertical schema	tic (actual)		
13.1			4 1/2in, Tubii	ng Hanger; 4 1/2 in; 13.00			a a a literatura da a literatura a seconda da a seconda da a seconda da a a literatura da a seconda da a second	
14.1				ftKB; 14.00 ftKB		┦ 💹		Cement, Casing,
221.1			1: Surface 2	22.00ftKB; 8 5/8 in; 8.10 in;				5; 13.00-222.00; 1984-03- x Class B w/ 2% CaCl2; bls to surface.
222.1			1, 50 Mace, 24	13.00 ftKB; 222.00 ftKB	9955		<u>84</u>	
899.9								
1,569.9	OJO ALAMO	1570	OJO ALAMO (O	JO ALAMO (final))				
1,720.1	KIRTLAND	1720	KIRTLAND (KIR	TLAND (final))				
1,919.9	FRUITLAND	1920	-FRUITLAND (FR	UITLAND (final))				
2,217.8	PICTURED	2218		FS (PICTURED CLIFFS				sing Cement, Casing,
3,038.1	CHACRA	3038	2 3/8in, Tu — CHA	ubing; 2 3/8 in; 14.00 ftKB; 5,503.79 ftKB			03-29 11:10; 70	0; 900.00-4,948.37; 1984- 00 sx Class B w/ 2%
3.713.9	CLIFF HOUSE	3714	-CLIFF HOUSE (	CLIFF HOUSE (final))				nder. 100 sx Class H w/ 2% /ey TOC @ 900'.
4,634.8	MANCOS	4635	MANCOS (MAN					
	MARCO3	1055						
4,946.5								
4,948.5						10000		
5,038.1							Production Cas	sing Cement, Casing,
5,503.9			2 3/8in, Profile	Nipple; 2 3/8 in; 5,503.79 ftKB; 5,504.89 ftKB				0; 5,038.00-5,925.00; 1984- 25 sx Class H w/ 2% Gel.
5,504.9			2 3/8in, Tubi	ng; 2 3/8 in; 5,504.89 ftKB;				
5,537.4			2 3/8in, Saw Too	5,537.34 ftKB oth; 2 3/8 in; 5,537.34 ftKB;				
5,537.7				5,537.84 ftKB				
5,539.0	GALLUP	5539	GALLUP (GALLU	JP (final))				
5,555.1				on 4/10/1984 06:30 (PERF				
5,860.9			- GALLUP); 5,55	5.00-5,861.00; 1984-04-10 06:30				
5,881.9				lar/Shoe (PBTD); 5,882.00;			3/29/1984 11:1	sing Cement, Casing, 0 (plug); 5,882.00-5,925.00
5.883.5			Cleaned out	to float collar at 5882' KB.			1984-03-29 11: Gel.	:10; 225 sx Class H w/ 2%
5,924.2								
5,924.2				on1, 5,925.00ftKB; 4 1/2 in;				
			4.05 in	n; 13.00 ftKB; 5,925.00 ftKB				



# Received by OCD: 7/16/2025 1:23:41 PM HILCORP ENERGY COMPANY CANYON LARGO UNIT 331 P&A NOI

CANYON LARGO UNIT 331 - PROPOSED WELLBORE SCHEMATIC

	Hilcorp Energ		ny ARGO UNIT #331	P&A WBD - Pro	posed sche	mauc		
PI/UWI 300392	3325		egal Location IN-6W	Fleid Name	Route 1409		State/Province NEW MEXICO	Well Configuration Type Vertical
round Ele 3,536.0	evation (ft) O		KBIRT Elevation (ft)	Tubing Hanger Elevation (ft)	RKB to GL (ft) 13.00		KB-Casing Flange Distance (ft)	K5-Tubing Hanger Distance (ft)
			Ori	ginal Hole, CANYON L	ARGO UNIT #33	1 [Verti	cal]	
MD (ftKB)	Formation Tops	MD			Vertical schemat	tic (prop	osed)	
13.1			a sa itali sa shifa dala ba sa a t	والمتلاف والمراجع التاريخ والمتحر المتحر والمتحر والمحرور	adadindoondah di danada katalahan	and the second second		f Csg Shoe, Plug,
221.1							31; 22sx Class	
222.1			1; Surface, 22	2.00ftKB; 8 5/8 in; 8.10 in;			21:15; 13.00-2	9 Cement, Casing, 3/20/1984 22.00; 1984-03-20 21:15;
272.0				13.00 ftKB; 222.00 ftKB tKB on 12/31/2025 00:00			175 sx Class B bbls to surface	w/ 2% CaCl2; Circulated 2 e.
899.9			(SQUEEZE PE	RFS); 272.00; 2025-12-31			PLUG #5a: Sur	f Csg Shoe, Casing, 0:00; 13.00-272.00; 2025-12-
1,470.1							31; 58sx Class	G (1.15 yld)
1,470.1	OJO ALAMO	1570					4 <mark>12/31/2025 00</mark>	FRD, KRD, & OJO, Plug, ):00; 1,470.00-2,268.00; 2025
1,720.1	KIRTLAND	1720					-12-31; 63sx C	lass G (1.15 yld)
1,919.9	FRUITLAND	1920						sing Cement, Casing,
2,217.8	PICTURED C							10; 900.00-4,948.37; 1984- 00 sx Class B w/ 2%
2,268.0	PICTORED C						Chemical exte	nder. 100 sx Class H w/ 2% vey TOC @ 900'.
2,938.0							PLUG #3: MV	& CHC, Plug, 12/31/2025 -3,764.00; 2025-12-31; 65sx
3,038.1	CHACRA	3038					Class G (1.15)	
3,713.9	CLIFF HOUSE							
3,715.9	CLIT HOUSE							
4,535.1								fool & MCS, Plug, ):00: 4,535.00-4,997.00: 2025
4,634.8	MANCOS	4635						lass G (1.15 yld)
4,946.5								
4,948.5								
4,997.0								
5,038.1								Perfs & GAL Top, Plug, 00; 5,425.00-5,525.00; 2025
5,424.9							-12-31; 8sx Cla	ass G (1.15 yld) sing Cement, Casing,
5,524.9							3/29/1984 11:	10; 5,038.00-5,925.00; 1984- 25 sx Class H w/ 2% Gel.
5,526.9			4.05 in, CIBP	or CICR, 5,525.0, 5,527.0; 5,525.00-5,527.00			03-29 11:10; 2	25 5X Class H W/ 278 Gel.
	GALLUP	5539						
5,555.1			5555-5861ftKB c	n 4/10/1984 06:30 (PERF				
5,860.9				.00-5,861.00; 1984-04-10 06:30	2000000 2000000	PA353		
5,881.9				ar/Shoe (PBTD); 5,882.00;			3/29/1984 11:	sing Cement, Casing, 10 (plug); 5,882.00-5,925.00;
5,883.5			Cleaned out t	o float collar at 5882' KB.			1984-03-29 11 Gel.	:10; 225 sx Class H w/ 2%
5,924.2								
5,924.9				925.00ftKB; 4 1/2 in; 4.05				
			in	; 13.00 ftKB; 5,925.00 ftKB				
				P	age 1/1			Report Printed: 7/8/202

Hilcorp Energy P&A Final Reclamation Plan Canyon Largo Unit 331 API: 30-039-23325 T24N-R6W-Sec. 06-Unit A LAT: 36.3469 LONG: -107.50352 NAD 27 990' FNL & 990' FWL Rio Arriba County, NM

## 1. PRE- RECLAMATION SITE INSPECTION

A pre-reclamation site inspection was completed with Roger Herrera (BLM) and Bryan Hall Hilcorp Energy SJ South Construction Foreman on July 9, 2025.

## 2. LOCATION RECLAMATION PROCEDURE

- 1. Removal of all equipment, separator, meter run, anchors, flowlines, fence, BGT, and tank.
- 2. All trash and debris will be removed within a 50' buffer outside of the location disturbance during reclamation.
- 3. Push fill back onto cut slope to the north.
- 4. Rip and seed bare ground.
- 5. Hilcorp to remove valving for pipeline and cover with fill due to pipeline still in use for Canyon Largo Unit 339.

# 3. ACCESS ROAD RECLAMATION PROCEDURE

- 1. Reclaim road by pulling material back as much as possible, build berm to close road.
- 2. Rip and seed road.
- 4. SEEDING PROCEDURE
  - 1. Sagebrush/grassland seed mix will be used for all reclaimed and disturbed areas of the well pad and lease road.
  - 2. Drill seed will be done where applicable, and all other disturbed areas will be broadcast seeded and harrowed. Broadcast seeding will be applied at a double the rate of seed.
  - 3. The time of the seeding will be when the ground is not frozen or saturated.

#### 5. WEED MANAGEMENT

1. No noxious weeds were identified during this onsite.





From:	Rennick, Kenneth G <krennick@blm.gov></krennick@blm.gov>
Sent:	Monday, June 30, 2025 8:32 AM
То:	Matthew Esz; Durham, John, EMNRD; McClure, Dean, EMNRD; Rikala, Ward, EMNRD;
	Farmington Regulatory Techs; Kade, Matthew H
Subject:	Re: [EXTERNAL] Canyon Largo Unit 331, API # 3003923325 BH Directive
Attachments:	3003923325 CLU 331 BH Repair NOI.pdf

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

Thank you for the update. The BLM does not need any additional information at this time.

Kenneth (Kenny) Rennick

**Petroleum Engineer** 

Bureau of Land Management Farmington Field Office 6251 College Blvd Farmington, NM 87402

Email: <u>krennick@blm.gov</u> Mobile & Text: 505.497.0019

From: Matthew Esz <Matthew.Esz@hilcorp.com> Sent: Monday, June 30, 2025 7:32 AM To: Durham, John, EMNRD <john.durham@emnrd.nm.gov>; McClure, Dean, EMNRD <dean.mcclure@emnrd.nm.gov>; Rikala, Ward, EMNRD <ward.rikala@emnrd.nm.gov>; Rennick, Kenneth G <krennick@blm.gov>; Farmington Regulatory Techs <FarmingtonRegulatoryTechs@hilcorp.com> Subject: [EXTERNAL] Canyon Largo Unit 331, API # 3003923325 BH Directive

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Good morning,

Regarding the Canyon Largo Unit 331, API # 3003923325, bradenhead directive. The rig arrived on location on 6/24 and identified a csg leak to be the source of communication. At this time, the remediation is uneconomic. Hilcorp has elected to discontinue the remediation and submit this well for P&A. Our P&A and regulatory team will take

over from here and get the well plugged, prior to the 8/31 deadline. Let me know if you have any questions in the meantime.

Thanks,

Matthew Esz Operations Engineer San Juan South Asset Team Hilcorp Energy Company c: (770) 843-9226

The information contained in this email message is confidential and may be legally privileged and is intended only for the use of the individual or entity named above. If you are not an intended recipient or if you have received this message in error, you are hereby notified that any dissemination, distribution, or copy of this email is strictly prohibited. If you have received this email in error, please immediately notify us by return email or telephone if the sender's phone number is listed above, then promptly and permanently delete this message.

While all reasonable care has been taken to avoid the transmission of viruses, it is the responsibility of the recipient to ensure that the onward transmission, opening, or use of this message and any attachments will not adversely affect its systems or data. No responsibility is accepted by the company in this regard and the recipient should carry out such virus and other checks as it considers appropriate.

From:	Kuehling, Monica, EMNRD < monica.kuehling@emnrd.nm.gov>
Sent:	Wednesday, June 11, 2025 1:44 PM
То:	Tammy Jones
Cc:	Farmington Regulatory Techs; Matthew Esz
Subject:	RE: [EXTERNAL] RE: Canyon Largo Unit 331 30-039-23325

### CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

# Thank you

From: Tammy Jones <tajones@hilcorp.com> Sent: Wednesday, June 11, 2025 1:42 PM To: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov> Cc: Farmington Regulatory Techs <FarmingtonRegulatoryTechs@hilcorp.com>; Matthew Esz <Matthew.Esz@hilcorp.com> Subject: [EXTERNAL] RE: Canyon Largo Unit 331 30-039-23325

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Hi Monica – The Gas Analysis ActionID: 473282 has been submitted to NMOCD.

From: Kuehling, Monica, EMNRD <<u>monica.kuehling@emnrd.nm.gov</u>> Sent: Monday, June 2, 2025 4:02 PM To: Tammy Jones <<u>tajones@hilcorp.com</u>> Subject: RE: [EXTERNAL] Canyon Largo Unit 331 30-039-23325

#### Thank you

From: Tammy Jones <<u>tajones@hilcorp.com</u>> Sent: Monday, June 2, 2025 3:21 PM To: Kuehling, Monica, EMNRD <<u>monica.kuehling@emnrd.nm.gov</u>>; Farmington Regulatory Techs <<u>FarmingtonRegulatoryTechs@hilcorp.com</u>> Cc: Heslop, Jason, EMNRD <<u>Jason.Heslop@emnrd.nm.gov</u>> Subject: RE: [EXTERNAL] Canyon Largo Unit 331 30-039-23325

Hi Monica – I've sent this to HEC engineering team.

From: Kuehling, Monica, EMNRD <<u>monica.kuehling@emnrd.nm.gov</u>> Sent: Monday, June 2, 2025 2:55 PM To: Farmington Regulatory Techs <<u>FarmingtonRegulatoryTechs@hilcorp.com</u>> Cc: Heslop, Jason, EMNRD <<u>Jason.Heslop@emnrd.nm.gov</u>> Subject: [EXTERNAL] Canyon Largo Unit 331 30-039-23325

Hello

A bradenhead test was witnessed by Inspector Jason Heslop on May 29, 2025.

The bradenhead showed 140 psi with constant flow for full 30-minute test. 5-minute shut in showed 73 psi. Production casing initial pressure was 151. Production casing dropped continuously while bradenhead was open. Direct communication was observed.

Previous test from 2019 showed 0 on the bradenhead.

To comply with Rule 19.15.16.11, prevent waste and protect fresh water, Hilcorp Energy Company is directed to fix or plug within 90 days of the date of this email.

If you have any questions, please let me know.

Thank you

Monica Kuehling Compliance Officer Supervisor Deputy Oil and Gas Inspector New Mexico Oil Conservation Division North District Cell Phone: 505-320-0243 Email - monica.kuehling@emnrd.nm.gov

The information contained in this email message is confidential and may be legally privileged and is intended only for the use of the individual or entity named above. If you are not an intended recipient or if you have received this message in error, you are hereby notified that any dissemination, distribution, or copy of this email is strictly prohibited. If you have received this email in error, please immediately notify us by return email or telephone if the sender's phone number is listed above, then promptly and permanently delete this message.

While all reasonable care has been taken to avoid the transmission of viruses, it is the responsibility of the recipient to ensure that the onward transmission, opening, or use of this message and any attachments will not adversely affect its systems or data. No responsibility is accepted by the company in this regard and the recipient should carry out such virus and other checks as it considers appropriate.

# GENERAL REQUIREMENTS FOR PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES FARMINGTON FIELD OFFICE

1.0 The approved plugging plans may contain variances from the following <u>minimum general</u> requirements.

- 1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.
- 1.2 Requirements may be added to address specific well conditions.
- 2.0 Materials used must be accurately measured. (densometer/scales)

3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.

3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.

4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

- 4.1 The cement shall be as specified in the approved plugging plan.
- 4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.
- 4.3 Surface plugs may be no less than 50' in length.
- 4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.
- 4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.
- 4.6 A cement bond log or other accepted cement evaluation tool is required to be run if one had not been previously ran or cement did not circulate to surface during the original casing cementing job or subsequent cementing jobs.

2

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

- 5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.
- 5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.
- 5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.
- 5.4 If perforations are required below the surface casing shoe, a 30 minute minimum wait time will be required to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. Short or long term venting may be necessary to evacuate trapped gas. If only a water flow occurs with no associated gas, shut well in and record the pressures. Contact the Engineer as it may be necessary to change the cement weight and additives.

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

- 6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.
- 6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain  $H_2S$ .

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), through the Automated Fluid Minerals Support System (AFMSS) with the Field Manager, Bureau of Land Management, 6251 College Blvd., Suite A, Farmington, NM 87402. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show <u>date</u> well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

# **BLM - FFO - Geologic Report**

		DLI		Seologic	Report	Date Com	nlatad	7/15/2025
						Date Con	ipieleu	7/15/2025
Well No. Lease No. Agrmt No. US Well No.	Canyon Largo Unit I NMSF078874 NMNM78383C 3003923325	No 331		Surf. Loc.	990 Sec	FNL 6	990 T24N	FEL R6W
Operator	Hilcorp Energy Com	ipany		County	Rio Arriba		State	New Mexico
TVD	5925	PBTD	5882	Formation	Devils For	k Gallup		
Elevation	GL	6536		Elevation	Est. KB	6549		
Geologic Fo	rmations	Est. tops	Subsea E	lev.		Remarks		
San Jose Fm		Surface						
Nacimiento F	m.	680	5869	)		Surface /f	resh water	sands
Ojo Alamo Se	S	1225	5324			Fresh wat	er aquifer	
Kirtland Fm.		1630						
Fruitland Fm.		1920	4629			Coal/gas/	oossible wa	ter
Pictured Cliffs	S	2218				Possible g		
Lewis Shale		2280				Source ro		
Huerfanito	Bentonite	2560				Reference	e bed	
Chacra		3038				Possible g	•	
	ale Stringer	3160				Source ro		
Chacra (L	,	3320				Possible g	jas/water	
	ale Stringer	3372						
Cliff House S		3714				Possible g	jas/water	
Menefee Fm.		3795					r/possible g	jas
Point Lookou	t Fm.	4380				Possible g	jas/water	
Mancos Shal	e	4635				Source ro	ck	
DV Tool		4947				<b>_</b>		
El Vado		5200				Possible g	jas/water	
Gallup		5539	1010	1		Oil & gas		

#### Remarks:

-Vertical wellbore, all formation depths are TVD from KB at the wellhead.

-Modify Plug 1: Move the TOC to 5100' to cover the BLM geologist's pick for the El Vado.

-Modify Plug 4: Move the TOC to 1125' to cover the BLM geologist's pick for the Ojo Alamo.

-Add a plug for the BLM geologist's pick for the Nacimiento Formation at 680'. A BOC minimum of 730', a TOC minimum of 580'.

Hilcorp Energy Company Same

Reference Wells:

Prepared by: Walter Gage

# STATUENT OF THE BOR

# United States Department of the Interior

BUREAU OF LAND MANAGEMENT Farmington District Office 6251 College Boulevard, Suite A Farmington, New Mexico 87402 <u>http://www.blm.gov/nm</u>



# **CONDITIONS OF APPROVAL**

July 16, 2025

# Notice of Intent – Plug and Abandonment

Operator:	Hilcorp Energy Company
Lease:	NMSF 0078874
Agreement:	NMNM 078383C
Well(s):	Canyon Largo Unit 331, US Well # 30-039-23325
Location: Sundry Notice ID #:	Sec 6 T24N R6W (Rio Arriba County, NM)

The Notice of Intent to Plug and Abandon is accepted with the following Conditions of Approval (COA):

- 1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
- 2. The following modifications to your plugging program are to be made:
  - a. Modify Plug 1: Move the TOC to 5100' to cover the BLM geologist's pick for the El Vado at 5200'.
  - Modify Plug 4: Move the TOC to 1125' to cover the BLM geologist's pick for the Ojo Alamo at 1225'.
  - Add a plug for the BLM geologist's pick for the Nacimiento Formation at 680'. A BOC minimum of 730', a TOC minimum of 580'.
- 3. Notification: Farmington Office is to be notified at least 24 hours before the plugging operations commence at (505) 564 7750.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.

K. Rennick 7/16/2025

# State of New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division Standard Plugging Conditions



This document provides OCD's general plugging conditions of approval. It should be noted that the list below may not cover special plugging programs in unique and unusual cases, and OCD expressly reserves the right to impose additional requirements to the extent dictated by project conditions. The OCD also reserves the right to approve deviations from the below conditions if field conditions warrant a change. A C-103F NOI to P&A must be approved prior to plugging operations. Failure to comply with the conditions attached to a plugging approval may result in a violation of 19.15.5.11 NMAC, which may result in enforcement actions, including but not limited to penalties and a requirement that the well be re-plugged as necessary.

- 1. Notify OCD office at least 24 hours before beginning work and seek prior approval to implementing any changes to the C-103 NOI to PA.
  - North Contact, Monica Kuehling, 505-320-0243, monica.kuehling@emnrd.nm.gov
  - South Contact, Gilbert Cordero, 575-626-0830, gilbert.cordero@emnrd.nm.gov
- 2. A Cement Bond Log is required to ensure strata isolation of producing formations, protection of water and correlative rights. A CBL must be run or be on file that can be used to properly evaluate the cement behind the casing.

Note: Logs must be submitted to OCD via OCD permitting. A copy of the log may be emailed to OCD inspector for faster review times, but emailing does not relieve the operators obligation to submit through OCD permitting.

- 3. Once Plugging operations have commenced, the rig must not rig down until the well is fully plugged without OCD approval. If gap in plugging operations exceeds 30 days, the Operator must file a subsequent sundry of work performed and revised NOI for approval on work remaining. At no time shall the rig be removed from location if it will result in waste or contamination of fresh water.
- 4. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
- 5. Fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
  - North, water or mud laden fluids
  - South, mud laden fluids
- 6. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to an OCD permitted disposal facility.

7. Class of cement shall be used in accordance with the below table for depth allowed.

Class	TVD Lower Limit (feet)
Class A/B	6,000
Class I/II	6,000
Class C or III	6,000
Class G and H	8,000
Class D	10,000
Class E	14,000
Class F	16,000

- 8. After cutting the well head any "top off cement jobs" must remain static for 30 minutes. Any gas bubbles or flow during this 30 minutes shall be reported to the OCD for approval of next steps.
- 9. Trucking companies being used to haul oilfield waste fluids (Commercial or Private) to a disposal facility shall have an approved OCD C-133 permit.
  - A copy of this permit shall be available in each truck used to haul waste products.
  - It is the responsibility of the Operator and Contractor to verify that this permit is in place prior to performing work.
  - Drivers shall be able to produce a copy upon request of an OCD Compliance Officer.
- 10. Filing a [C-103] Sub. Plugging (C-103P) will serve as notification that the well has been plugged.
- 11. A [C-103] Sub. Release After P&A (C-103Q) shall be filed no later than a year after plugging and a site inspection by OCD Compliance officer to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to meet OCD standards before bonding can be released.
- 12. Produced water or brine-based fluids may not be used during any part of plugging operations without prior OCD approval.
- 13. Cementing;
  - All cement plugs will be neat cement and a minimum of 100' in length. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
  - If cement does not exist between or behind the casing strings at recommended formation depths, the casing perforations will be shot at 50' below the formation top and the cement retainer shall be set no more than 50' from the perforations.
  - WOC (Wait on Cement) time will be:
    - 4 hours for accelerated (calcium chloride) cement.
    - 6 hours on regular cement.
  - Operator must tag all cement plugs unless it meets the below condition.
    - The operator has a passing pressure test for the casing annulus and the plug is only an inside plug.
  - If perforations are made operator must tag all plugs using the work string to tag unless given approval to tag with wireline by the correct contact from COA #1 of this document.
    - This includes plugs pumped underneath a cement retainer to ensure retainer seats properly after cement is pumped.
  - Cement can only be bull-headed with specific prior approval.
  - Squeeze pressures are not to exceed the exposed formations frac gradient or the burst pressure of the casing.

- 14. A cement plug is required to be set from 50' below to 50' above (straddling) formation tops, casing shoes, casing stubs, any attempted casing cut offs, anywhere the casing is perforated, DV tools.
  - Perforation/Formation top plug. (When there is less than 100ft between the top perforation to the formation top.) These plugs are required to be started no greater than 50ft from the top perforation. However, the plug should be set below the formation top or as close to the formation top as possible for the maximum isolation between the formations. The plug is required to be a 100ft cement plug plus excess.
  - Perforation Plug when a formation top is not included. These plugs are required to be started within 50ft of the top perforation. The plug is required to be a 100ft cement plug plus excess.
  - Cement caps on top of bridge plugs or cement retainers for perforation plugs, that are not straddling a formation top, may be set using a bailer with a minimum of 35' of cement in lieu of the 100' plug. The bridge plug or retainer must be set within 50ft of the perforations.
  - Perforations are required below the surface casing shoe if cement does not exist behind the casing, a 30-minute minimum wait time will be required immediately after perforating to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. If gas is detected contact the OCD office for directions.
- 15. No more than 3000 feet is allowed between cement plugs in cased hole and no more than 2000 feet is allowed in open hole.
- 16. Formation Tops to be isolated with cement plugs, but not limited to are:
  - Northwest See Figure A
  - South (Artesia) See Figure B
  - Potash See Figure C
    - In the R-111-P (Or as subsequently revised) Area a solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, woe 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.
  - South (Hobbs) See Figure D1 and D2
  - Areas not provided above will need to be reviewed with the OCD on a case by case basis.

# 17. Markers

• Dry hole marker requirements 19.15.25.10.

The operator shall mark the exact location of plugged and abandoned wells with a steel marker not less than four inches in diameter set in cement and extending at least four feet above mean ground level. The marker must include the below information:

- 1. Operator name
- 2. Lease name and well number
- 3. API number
- 4. Unit letter
- 5. Section, Township and Range

AGRICULTURE (Below grade markers)

In Agricultural areas a request can be made for a below ground marker. For a below ground marker the operator must file their request on a C-103 notice of intent, and it must include the following;

- A) Aerial photo showing the agricultural area
- B) Request from the landowner for the below ground marker.

C) Subsequent plugging report for a well using a below ground marker must have an updated C-102 signed by a certified surveyor for SHL.

Note: A below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to OCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to OCD. OCD requires a current survey to verify the location of the below ground marker, however OCD will accept a GPS coordinate that were taken with a GPS that has an accuracy of within 15 feet.

18. If work has not commenced within 1 year of the approval of this procedure, the approval is automatically expired. After 1 year a new [C-103] NOI Plugging (C-103F) must be submitted and approved prior to work.

#### Figure A

## North Formations to be isolated with cement plugs are:

- San Jose
- Nacimiento
- Ojo Alamo
- Kirtland
- Fruitland
- Picture Cliffs
- Chacra (if below the Chacra Line)
- Mesa Verde Group
- Mancos
- Gallup
- Basin Dakota (plugged at the top of the Graneros)
- Deeper formations will be reviewed on a case-by-case basis

#### Figure B

South (Artesia) Formations to be isolated with cement plugs are:

- Fusselman
- Montoya
- Devonian
- Morrow
- Strawn
- Atoka
- Permo-Penn
- Wolfcamp
- Bone Springs
- Delaware , in certain areas where the Delaware is subdivided into;
  - 1. Bell Canyon
  - 2. Cherry Canyon
  - 3. Brushy Canyon
  - Any salt sections
- Abo

•

- Yeso
- Glorieta
- San Andres
- Greyburg
- Queen
- Yates

#### Figure C

#### Potash Area R-111-P

T 18S - R 30E Sec 10 Unit P. Sec 11 Unit M,N. Sec 13 Unit L,M,N. Sec 14 Unit C -P. Sec 15 Unit A G,H,I,J,K,N,O,P. Sec 22 Unit All except for M. Sec 23, Sec 24 Unit C,D,E,L, Sec 26 Unit A-G, Sec 27 Unit A,B,C T 19S – R 29E Sec 11 Unit P. Sec 12 Unit H-P. Sec 13. Sec 14 Unit A,B,F-P. Sec 15 Unit P. Sec 22 Unit A,B,C,F,G,H,I,J K,N,O,P. Sec 23. Sec 24. Sec 25 Unit D. Sec 26 Unit A- F. Sec 27 Unit A,B,C,F,G,H. T 19S – R 30E Sec 2 Unit K,L,M,N. Sec 3 Unit I,L,M,N,O,P. Sec 4 Unit C,D,E,F,G,I-P. Sec 5 Unit A,B,C,E-P. Sec 6 Unit I,O,P. Sec 7 – Sec 10. Sec 11 Unit D, G—P. Sec 12 Unit A,B,E-P. Sec 13 Unit A-O. Sec 14-Sec 18. Sec 19 Unit A-L, P. Sec 20 – Sec 23. Sec 24 Unit C,D,E,F,L,M,N. Sec 25 Unit D. Sec 26 Unit A-G, I-P. Sec 27, Sec 28, Sec 29 Unit A,B,C,D,F,G,H,I,J,O,P. Sec 32 Unit A,B,G,H,I,J,N,O,P. Sec 33. Sec 34. Sec 35. Sec 36 Unit D,E,F,I-P. T 19S – R 31E Sec 7 Unit C,D,E,F,L. Sec 18 Unit C,D,E,F,G,K,L. Sec 31 Unit M. Sec 34 Unit P. Sec 35 Unit M,N,O. Sec 36 Unit O.P. T 20S – R 29E Sec 1 Unit H,I,P. Sec 13 Unit E,L,M,N. Sec 14 Unit B-P. Sec 15 Unit A,H,I,J,N,O,P. Sec 22 Unit A,B,C,F,G,H,I,J,O,P. Sec 23. Sec 24 Unit C,D,E,F,G,J-P. Sec 25 Unit A-O. Sec 26. Sec 27 Unit A,B,G,H,I,J,O,P. Sec 34 Unit A,B,G,H. Sec 35 Unit A-H. Sec 36 Unit B-G. T 20S – R 30E Sec 1 – Sec 4. Sec 5 Unit A,B,C,E-P. Sec 6 Unit E,G-P. Sec 7 Unit A-H,I,J,O,P. Sec 8 – 17. Sec 18 Unit A,B,G,H,I,J,O,P. Sec 19 Unit A,B,G,H,I,J,O,P. Sec 20 – 29. Sec 30 Unit A-L,N,O,P. Sec 31 Unit A,B,G,H,I,P. Sec 32 – Sec 36. T 20S – R 31E Sec 1 Unit A,B,C,E-P. Sec 2. Sec 3 Unit A,B,G,H,I,J,O,P. Sec 6 Unit D,E,F,J-P. Sec 7. Sec 8 Unit E-P. Sec 9 Unit E,F,J-P. Sec 10 Unit A,B,G-P. Sec 11 – Sec 36. T 21S – R 29E Sec 1 – Sec 3. Sec 4 Unit L1 – L16,I,J,K,O,P. Sec 5 Unit L1. Sec 10 Unit A,B,H,P. Sec 11 – Sec 14. Sec 15 Unit A,H,I. Sec 23 Unit A,B. Sec 24 Unit A,B,C,D,F,G,H,I,J,O,P. Sec 25 Unit A,O,P. Sec 35 Unit G,H,I,J,K,N,O,P. Sec 36 A,B,C,F - P. T 21S – R 30E Sec 1 - Sec 36

T 21S – R 31E Sec 1 – Sec 36 T 22S – R 28E Sec 36 Unit A,H,I,P. T 22S – R 29E Sec 1. Sec2. Sec 3 Unit I,J,N,O,P. Sec 9 Unit G – P. Sec 10 – Sec 16. Sec 19 Unit H,I,J. Sec 20 – Sec 28. Sec 29 Unit A,B,C,D,G,H,I,J,O,P. Sec 30 Unit A. Section 31 Unit C – P. Sec 32 – Sec 36 T 22S – R 30E Sec 1 – Sec 36 T 22S – R 31E Sec 1 – Sec 11. Sec 12 Unit B,C,D,E,F,L. Sec 13 Unit E,F,K,L,M,N. Sec 14 – Sec 23. Sec 24 Unit C,D,E,F,K,L,M,N. Sec 25 Unit A,B,C,D. Sec 26 Unit A,BC,D,G,H. Sec 27 – Sec 34. T 23S – R 28E Sec 1 Unit A T 23S – R 29E Sec 1 – Sec 5. Sec 6 Unit A – I, N,O,P. Sec 7 Unit A,B,C,G,H,I,P. Sec 8 Unit A – L, N,O,P. Sec 9 – Sec 16. Sec 17 Unit A,B,G,H,I,P. Sec 21 – Sec 23. Sec 24 Unit A – N. Sec 25 Unit D,E,L. Sec 26. Sec 27. Sec 28 Unit A – J, N,O,P. Sec 33 Unit A,B,C. Sec 34 Unit A,B,C,D,F,G,H. Sec 35. Sec 36 Unit B,C,D,E,F,G,K,L. T 23S – R 30E Sec 1 – Sec 18. Sec 19 Unit A – I,N,O,P. Sec 20, Sec 21. Sec 22 Unit A – N, P. Sec 23, Sec 24, Sec 25. Sec 26 Unit A,B,F-P. Sec 27 Unit C,D,E,I,N,O,P. Sec 28 Unit A – H, K,L,M,N. Sec 29 Unit A – J, O,P. Sec 30 Unit A,B. Sec 32 A,B. Sec 33 Unit C,D,H,I,O,P. Sec 34, Sec 35, Sec 36. T 23S – R 31E Sec 2 Unit D,E,J,O. Sec 3 – Sec 7. Sec 8 Unit A – G, K – N. Sec 9 Unit A,B,C,D. Sec 10 Unit D,P. Sec 11 Unit G,H,I,J,M,N,O,P. Sec 12 Unit E,L,K,M,N. Sec 13 Unit C,D,E,F,G,J,K,L,M,N,O. Sec 14. Sec 15 Unit A,B,E – P. Sec 16 Unit I, K – P. Sec 17 Unit B,C,D,E, I – P. Sec 18 – Sec 23. Sec 24 Unit B – G, K,L,M,N. Sec 25 Unit B – G, J,K,L. Sec 26 – Sec 34. Sec 35 Unit C,D,E. T 24S – R 29E Sec 2 Unit A, B, C, D. Sec 3 Unit A T 24S – R 30E Sec 1 Unit A – H, J – N. Sec 2, Sec 3. Sec 4 Unit A,B,F – K, M,N,O,P. Sec 9 Unit A – L. Sec 10 Unit A – L, O,P. Sec 11. Sec 12 Unit D,E,L. Sec 14 Unit B – G. Sec 15 Unit A,B,G,H.

```
T 24S – R 31E
Sec 3 Unit B – G, J – O. Sec 4. Sec 5 Unit A – L, P. Sec 6 Unit A – L. Sec 9 Unit A – J, O,P. Sec 10 Unit B – G,
K – N. Sec
35 Unit E – P. Sec 36 Unit E,K,L,M,N.
```

T 25S – R 31E Sec 1 Unit C,D,E,F. Sec 2 Unit A – H.

Figure D1 and D2

South (Hobbs) Formations to be isolated with cement plugs are:

The plugging requirements in the Hobbs Area are based on the well location within specific areas of the Area (See Figure D1). The Formations in the Hobbs Area to be isolated with cement plugs are (see Figure D2)

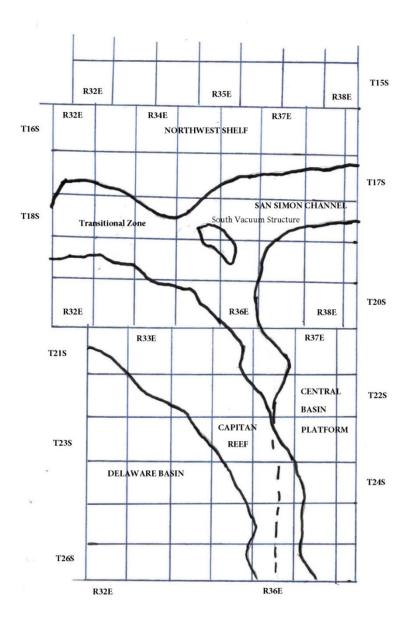


Figure D1 Map

.

# Figure D2 Formation Table

	100' P'lug to isolate upper and lower fresh water zones (typiailly 2.50' to 350')							
ND!rthwest Shelf	C;iptan Reef Are <a< th=""><th>Trani5ition Zone</th><th>San Simon Oh.annel</th><th>South \lacJUUm Structure</th><th>Delaware Basin</th><th>Ce<n,tiral basin="" platform<="" th=""></n,tiral></th></a<>	Trani5ition Zone	San Simon Oh.annel	South \lacJUUm Structure	Delaware Basin	Ce <n,tiral basin="" platform<="" th=""></n,tiral>		
Granit \./ash (Detrital basement material and fractured pre-Cambrian basement rock)	Siluro-Devonian	Morrow	Siluro-Devonian	Ellenburger	Siluro-Devonian	Granit \./ash (Detrital basement material, fractured pre-Cambrian basement rock and fracture Mafic Volcanic intrusives).		
Montoya	Mississippian	Atoka	Morrow	Mckee	Morrow	Ellenburger		
Fusselman	Morrow	Strawn	\./olfcamp	Siluro-Devonian	Atoka	Connell		
Woodford	Atoka	Cisco	Abo Reef	Woodford	Strawn	Waddell		
Siluro-Devonian	Strawn	Pennsylvanian	Bone Spring	Mississippian	Pennsylvanian	Mckee		
Chester	Pennsylvanian	\./olfcamp	Delaware	Barnett Shale	Low er \./olfcamp	Simpson Group		
Austin	\./olfcamp	Bone Spring	San Andres	Morrow	Upper \./olfcamp	Montoya		
Mississippian	Abo Reef, if present	Delaware	Queen	Atoka	\./olfcamp	Fusselman		
Morrow	Abo, if present	San Andres	Yates	Strawn	Third Bone Spring Sand (Top of \./olfbone)	Silurian		
Atoka	Queen, if present	Grayburg-San Andres	Base of Salt	Canyon	First Bone Spring Sand (Top of Lower Bone Spring)	Devonian		
Lower Pennsylvanian	Bone Spring	Queen	Rustler	Pennsylvanian	Bone Spring	Strawn		
Cisco-Canyon	Delaware	Seven Rivers		Blinebry	Brushy Canyon	Pennsylvanian		
Pennsylvanian	Base Capitan Reef	Yates		Bone Spring	Delaw are (Base of Salt)	\./olfcamp		
Bough	Seven Rivers	Base of Salt		San Andres	Rustler	Abo		
\./olfcamp	Yates	Rustler		Queen		Abo Reef		
Abo	Top Capitan Reef			Base of Salt		Drinkard		
Abo Reef, if present	Base of Salt			Rustler		Tubb		
Yeso (Township 15 South to Township 17 South)	Rustler					Blinebry		
Drinkard or Low er Y eso (Township 15 South to Township 17 South)						Paddock		
Tubb (Township 15 South to Township 17 South)						Glorieta		
Blinebry (Township 15 South to Township 17 South)						San Andres		
Pad dock (Township 15 South to Township 17 South)						Grayburg		
Glorieta						Grayburg-San Andres		
San Andres						Queen		
Queen (Township 15 South to Township 17 South)						Seven Rivers		
Seven Rivers (Township 15 South to Township 17 South)						Yates		
Yates (Township 15 South to Township 17 South)						Base of Salt		
Base of Salt						Rustler		
Rustler								

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	485622
	Action Type:
	[C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
loren.diede	Notify the OCD inspection supervisor via email 24 hours prior to beginning Plug & Abandon (P&A) operations.	7/17/2025
loren.diede	A Cement Bond Log (CBL) is required to be submitted to electronic permitting.	7/17/2025
loren.diede	Submit photo and GPS coordinates of P&A marker with final P&A reports. The API# on the marker must be legible.	7/17/2025
loren.diede	NMOCD concurs with BLM modifications to this procedure.	7/17/2025

CONDITIONS

Page 26 of 26

Action 485622