U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

03/13/2025

Well Name: ANGEL PEAK 1

Well Location: T27N / R10W / SEC 1 / NESE / 36.602405 / -107.841722

County or Parish/State: SAN JUAN / NM

Well Number: 20S

Type of Well: OTHER

Allottee or Tribe Name:

Lease Number: NMSF077384

Unit or CA Name:

Unit or CA Number:

US Well Number: 3004532431

Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2840094

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 03/05/2025

Time Sundry Submitted: 08:17

Date proposed operation will begin: 03/26/2025

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 12/05/2024 with Roger Herrera / BLM and Dale Crawford (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_03_04___ANGEL_PEAK_1_20S___P_A_NOI_20250305081635.pdf

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Allottee or Tribe Name:

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Unit or CA Name:

Unit or CA Number:

US Well Number: 3004532431

Operator: HILCORP ENERGY COMPANY

Conditions of Approval

Additional

2840094_20S_3004532431_NOIA_KR_03132025_20250313085655.pdf

General_Requirement_PxA_20250313085638.pdf

Angel_Peak_1_No_20S_Geo_Rpt_20250310161350.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

Signed on: MAR 05, 2025 08:17 AM

Name: HILCORP ENERGY COMPANY

Title: Regulatory Compliance Specialist

Street Address: 382 ROAD 3100

City: AZTEC **State:** NM

Phone: (505) 324-5185

Email address: TAJONES@HILCORP.COM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

Disposition: Approved

Disposition Date: 03/13/2025

Signature: Kenneth Rennick

HILCORP ENERGY COMPANY
ANGEL PEAK 1 20S
P&A NOI

API #:	3004532431

JOB PROCEDURES

1. Contact NMOCD and BLM (where applicable) 24 hours prior to MIRU.
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; TOOH w/ rods & pump; NU and test BOP.
4. Set a **4-1/2" CICR** at **+/- 2,066'** to isolate the **FRD Perfs**.
5. Load the well as needed. Pressure test the casing above the plug to **560 psig**.
6. ***Note the following plug designs are based on the CBL run 2005-05-31.**
7. PU & TIH w/ work string & sting into CICR **+/- 2,066'**.
8. **PLUG #1: 84sx of Class G Cement (15.8 PPG, 1.15 yield); PC Top @ 2,333' | FRD Perfs @ 2,116' | FRD Top @ 2,115' | KRD Top @ 1,554' | OJO Top @ 1,408':**
   Pump 25sx of cement beneath the 4-1/2" CICR (est. **TOC @ +/- 2,066'** & est. **BOC @ +/- 2,383'**). Sting out of the CICR; Pump a 59 sack balanced cement plug on top of the CICR. (est. **TOC @ +/- 1,308'** & est. **BOC @ +/- 2,066'**). Wait on Cement for 4 hours, tag TOC w/ work string. *Note cement plug lengths & volumes account for excess. ***Note that the cement volume pumped below the CICR is equivalent volume needed for 50' below the PC top @ 2,333'.**
9. TOOH w/ work string. TIH & perforate squeeze holes @ **+/- 658'**. RIH w/ **4-1/2" CICR** and set CICR @ **+/- 608'**. TIH w/ work string & sting into CICR. Establish injection.
10. **PLUG #2: 30sx of Class G Cement (15.8 PPG, 1.15 yield); NAC Top @ 608':**
    Pump 18sx of cement in the 4-1/2" casing X 6-1/4" open hole annulus (est. **TOC @ +/- 458'** & est. **BOC @ +/- 658'**). Pump an additional 4sx of cement beneath the 4-1/2" CICR (est. **TOC @ +/- 608'** & est. **BOC @ +/- 658'**). Sting out of retainer, pump an 8 sack balanced cement plug on top of the CICR. (est. **TOC @ +/- 508'** & est. **BOC @ +/- 608'**). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess.
11. TOOH w/ work string. TIH & perforate squeeze holes @ **+/- 189'**. Establish circulation.
12. **PLUG #3: 35sx of Class G Cement (15.8 PPG, 1.15 yield); Surf. Casing Shoe @ 139':**
    Pump 5sx of cement in the 4-1/2" casing X 6-1/4" open hole annulus (est. **TOC @ +/- 139'** & est. **BOC @ +/- 189'**). Continue pumping 15sx of cement in the 4-1/2" casing X 7" casing annulus (est. **TOC @ +/- 0'** & est. **BOC @ +/- 139'**). Pump a 15 sack balanced cement plug inside the 4-1/2" casing (est. **TOC @ +/- 0'** & est. **BOC @ +/- 189'**). WOC for 4 hrs, tag TOC w/ work string.
13. ND BOP, cut off casing below casing flange. 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
ANGEL PEAK 1 20S
P&A NOI

ANGEL PEAK 1 20S - CURRENT WELLBORE SCHEMATIC

Hilcorp Energy Company

P&A WBD - Current Schematic

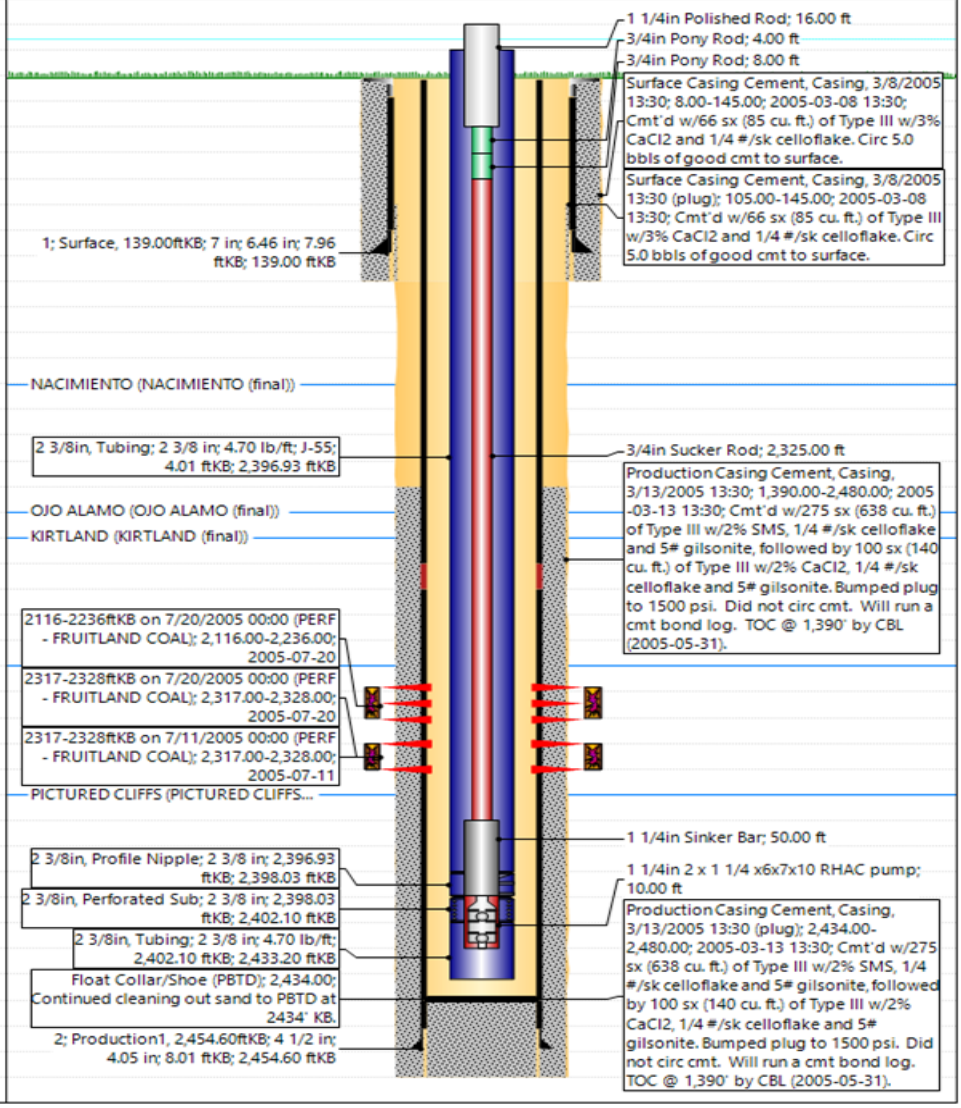
Well Name: ANGEL PEAK 1 #20S

API / UWI	Surface Legal Location	Field Name	Route	State/Province	Well Configuration Type
3004532431	I-1-27N-10W	BASIN FRUITLAND COAL (GAS)	0808	NEW MEXICO	Vertical
Ground Elevation (ft)	**Original KB/RT Elevation (ft)**	**Tubing Hanger Elevation (ft)**	**RKB to GL (ft)**	**KB-Casing Flange Distance (ft)**	**KB-Tubing Hanger Distance (ft)**
6,376.00	6,384.00		8.00		

Original Hole [Vertical]

MD (ftKB)	Formation Tops	MD
-5.2		
3.9		
7.9		
8.9		
10.8		
14.8		
23.0		
105.0		
138.1		
139.1		
145.0		
189.0		
458.0		
507.9		
607.9	NACIMIENTO	608
609.9		
658.1		
1,308.1		
1,390.1		
1,408.1	OJO ALAMO	1408
1,554.1	KIRTLAND	1554
2,019.7		
2,039.4		
2,065.9		
2,067.9		
2,115.2	FRUITLAND	2115
2,116.1		
2,235.9		
2,316.9		
2,328.1		
2,333.0	PICTURED...	2333
2,347.8		
2,382.9		
2,397.0		
2,398.0		
2,402.2		
2,407.8		
2,433.1		
2,434.1		
2,453.7		
2,454.7		
2,480.0		

Vertical schematic (actual)



WellViewAdmin@hilcorp.com

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Report Printed: 3/4/2025

HILCORP ENERGY COMPANY
ANGEL PEAK 1 20S
P&A NOI

ANGEL PEAK 1 20S - PROPOSED WELLBORE SCHEMATIC

Hilcorp Energy Company

P&A WBD - Proposed Schematic

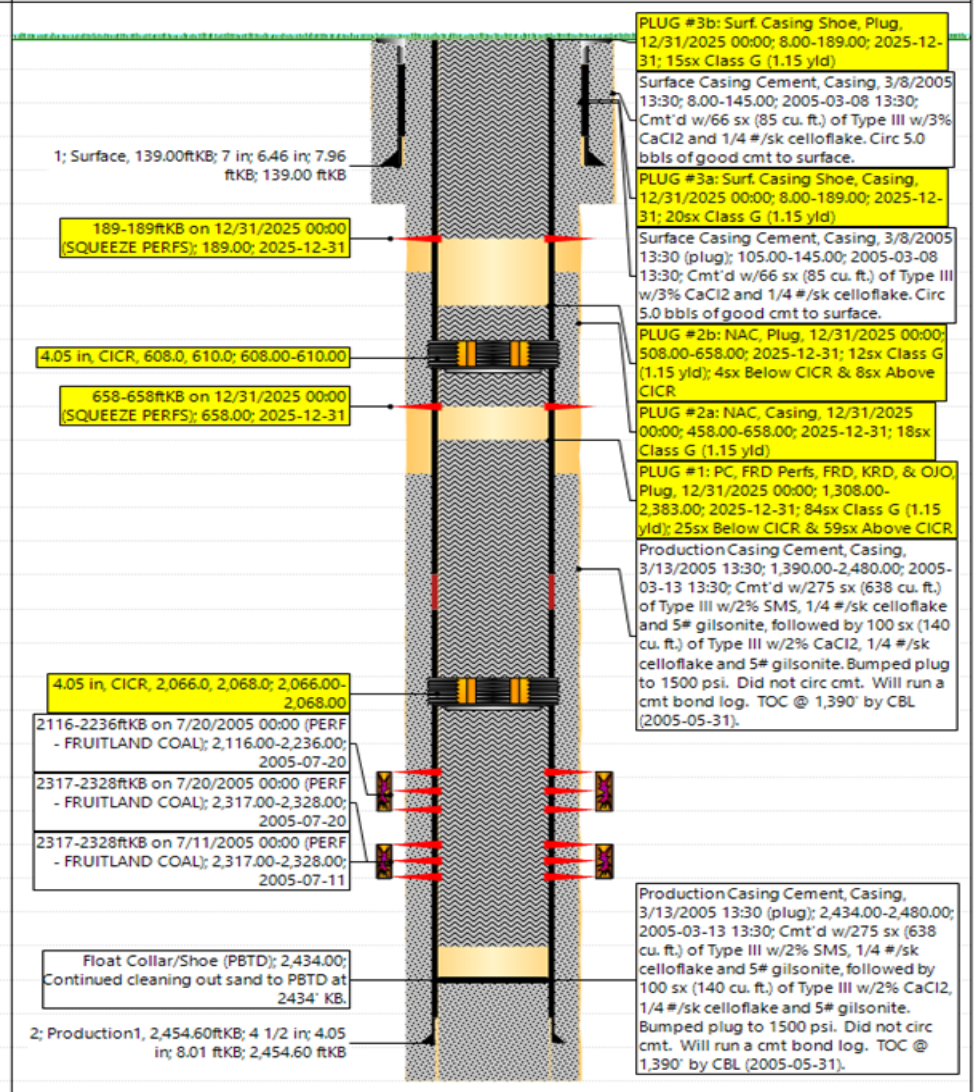
Well Name: ANGEL PEAK 1 #20S

API / UWI	Surface Legal Location	Field Name	Route	State/Province	Well Configuration Type
3004532431	I-1-27N-10W	BASIN FRUITLAND COAL (GAS)	0808	NEW MEXICO	Vertical
Ground Elevation (ft)	**Original KB/RT Elevation (ft)**	**Tubing Hanger Elevation (ft)**	**RKB to GL (ft)**	**KB-Casing Flange Distance (ft)**	**KB-Tubing Hanger Distance (ft)**
6,376.00	6,384.00		8.00		

Original Hole [Vertical]

MD (ftKB)	Formation Tops	MD
7.9		
8.9		
105.0		
138.1		
139.1		
145.0		
189.0		
458.0		
507.9		
607.9	NACIMIENTO	608
609.9		
658.1		
1,308.1		
1,390.1		
1,408.1	OJO ALAMO	1408
1,554.1	KIRTLAND	1554
2,019.7		
2,039.4		
2,051.8		
2,066.9		
2,067.9		
2,115.2	FRUITLAND	2115
2,116.1		
2,235.9		
2,316.9		
2,328.1		
2,333.0	PICTURED C...	2333
2,382.9		
2,434.1		
2,453.7		
2,454.7		
2,480.0		

Vertical schematic (proposed)



WellViewAdmin@hilcorp.com Page 1/1 Report Printed: 3/4/2025

Hilcorp Energy
P&A Final Reclamation Plan
Angel Peak 1 20S
API: 30-045-32431
T27N-R10W-Sec. 01-Unit I
LAT: 36.60223 LONG: -107.84109 NAD 27
Footage: 1,980' FSL & 1,050' FEL
San Juan County, NM

1. **PRE- RECLAMATION SITE INSPECTION**

   A pre-reclamation site inspection was completed with Roger Herrera, from the BLM and Dale Crawford, Hilcorp Energy SJ South Construction Foreman on December 5, 2024.

2. **LOCATION RECLAMATION PROCEDURE**

   1. Final reclamation will occur in Summer.
   2. Removal of all equipment, anchors, flowlines and cathodic.
   3. All trash and debris will be removed within a 50' buffer outside of the location disturbance during reclamation.
   4. Remove all gravel from berms, pads, and meter run.
   5. Push fill slope back to cut slope.
   6. Add silt traps as needed.
   7. Meter run will be removed. Pipeline will be stripped back to compressor on road.

3. **ACCESS ROAD RECLAMATION PROCEDURE**

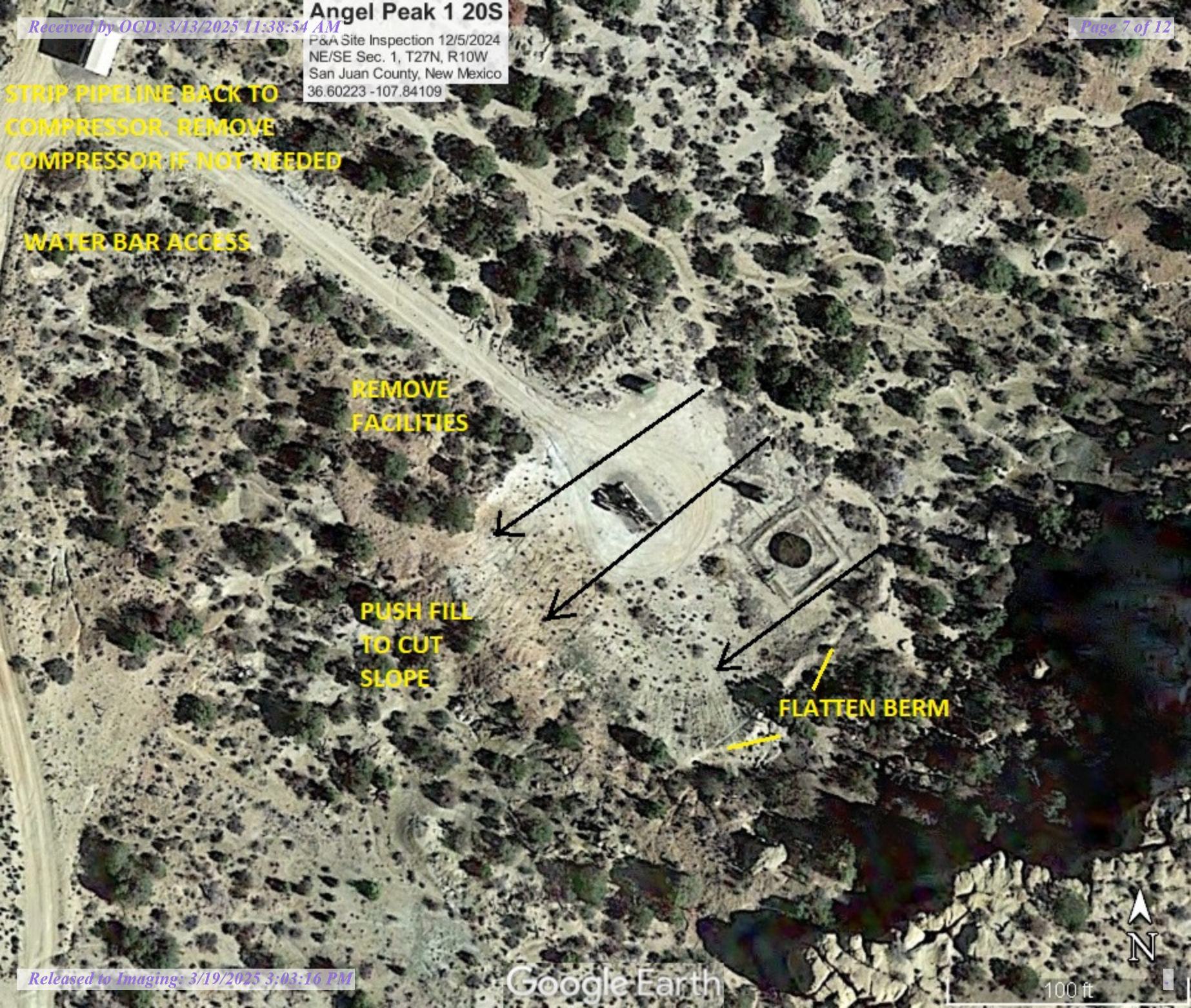
   1. Access road will be closed by water barring.
   2. Access will be ripped and contoured.
   3. Allow flow to stay in natural drainage.

4. **SEEDING PROCEDURE**

   1. A sage and juniper 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. Timing 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.


Angel Peak 1 20S
P&A Site Inspection 12/5/2024
NE/SE Sec. 1, T27N, R10W
San Juan County, New Mexico
36.60223 -107.84109
STRIP PIPELINE BACK TO COMPRESSOR. REMOVE COMPRESSOR IF NOT NEEDED
WATER BAR ACCESS
REMOVE FACILITIES
PUSH FILL TO CUT SLOPE
FLATTEN BERM
N
Google Earth
100 ft

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 minimum general 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.**

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 date 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

Date Completed 3/10/2025

Well No.	Angel Peak 1 No 20S		Surf. Loc.	1980	FSL	1050	FEL
Lease No.	NMSF077384			Sec	1	T27N	R10W
Operator	Hilcorp Enery Production		County	San Juan		State	New Mexico
TVD	2480	PBTD 2434	Formation	Fruitland Coal			
Elevation	GL	6376	Elevation	Est. KB	6384		

Geologic Formations	**Est. tops**	**Subsea Elev.**	**Remarks**
Nacimiento Fm.	615	5769	Surface /fresh water sands
Ojo Alamo Ss	1377	5007	Fresh water aquifer
Kirtland Fm.	1517	4867	
Fruitland Fm.	1932	4452	Coal/gas/possible water
Pictured Cliffs	2340	4044	Possible gas/water

Remarks:

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

-Plug 1: There are multiple depths given for the outside TOC. In the Well Completion form the TOC is given as 300'. In a note in the P&A well bore schematic the TOC is given as 1390'. In the CBL found in the OCD website the BLM geologist picks 1440' for the TOC. The correct TOC should be determined and used to completely and properly cover the Ojo Alamo.

-The Perforation Record in the Well Completion form identifies well perforations installed in the 2052' – 2097' interval. These perforations are not included in the P&A well bore schematic and would affect the Plug 1 placement.

-The TOC of the inside and outside portion of Plug 1 should be 1277' to account for the BLM geologist's pick for the Ojo Alamo.

Plug 2 and Plug 3 are acceptable as described.

Reference Well:

El Paso Natural Gas
Galt 1
1650' FSL, 1650' FEL
1J-27N-10W
GL= 6371, KB/DF= 6377

Prepared by: Walter Gage

United States Department of the Interior

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

CONDITIONS OF APPROVAL

March 13, 2025

Notice of Intent – Plug and Abandonment

Operator: Hilcorp Energy Company
Lease: NMSF077384

Well(s): Angel Peak 1 20S, US Well # 30-045-32431
Location: NESE Sec 1 T27N R10W (San Juan County, NM)
Sundry Notice ID #: 2840094

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 modification to your plugging program is to be made:
   a. See attached BLM Geology Report. An updated procedure and wellbore schematic may be required.

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 3/13/2025

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: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 442217
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	NMOCD agrees with BLM on formation tops - concerning perforations left out of noi please correct in your subsequent - you may need to adjust where you are putting cement retainer and add more cement below retainer - Notify NMOCD 24 hours prior to moving on - monitor string pressures daily report on subsequent - CBL is in the log file	3/19/2025