

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

<b>Well Name:</b> ANGEL PEAK 24 L	<b>Well Location:</b> T27N / R10W / SEC 24 / NWSW / 36.55896 / -107.851028	<b>County or Parish/State:</b> SAN JUAN / NM
<b>Well Number:</b> 9	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMSF077952	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3004527839	<b>Well Status:</b> Producing Gas Well	<b>Operator:</b> HILCORP ENERGY COMPANY

### Notice of Intent

**Sundry ID:** 2717454

**Type of Submission:** Notice of Intent

**Type of Action:** Plug and Abandonment

**Date Sundry Submitted:** 02/23/2023

**Time Sundry Submitted:** 11:22

**Date proposed operation will begin:** 04/01/2023

**Procedure Description:** Hilcorp Energy Company requests permission to P&A the subject well per the attached procedures, current and proposed wellbore schematics. The Pre-Disturbance Site Visit was held on 2/21/2023 with Roger Herrera/BLM. 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**

Angel\_Peak\_24L\_9\_P\_A\_Procedure\_20230223112203.pdf

Accepted for record – NMOCD

JRH 4/4/23

Well Name: ANGEL PEAK 24 L

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County or Parish/State: SAN JUAN / NM

Well Number: 9

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMSF077952

Unit or CA Name:

Unit or CA Number:

US Well Number: 3004527839

Well Status: Producing Gas Well

Operator: HILCORP ENERGY COMPANY

Conditions of Approval

Additional

27N10W24LKpc\_Angel\_Peak\_24\_L\_009\_20230324101943.pdf

Authorized

General\_Requirement\_PxA\_20230324130327.pdf

2717454\_NOIA\_L\_9\_3004527839\_KR\_03242023\_20230324130311.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: AMANDA WALKER

Signed on: FEB 23, 2023 11:22 AM

Name: HILCORP ENERGY COMPANY

Title: Operations/Regulatory Technician

Street Address: 1111 TRAVIS ST.

City: HOUSTON State: TX

Phone: (346) 237-2177

Email address: mwalker@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: 03/24/2023

Signature: Kenneth Rennick

## Hilcorp Energy Company

### Proposed P&A Procedure

Well: Angel Peak 24L #9

API: 30-045-27839

Date: 2/23/2023

Engr: M Wissing

Surface: BLM

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Wellbore		Wt #	ID	Bottom (ft)	Bbl/ft	Drill Bit
SPUD	9/10/1990					
KB (ft)	15 ft					
Surface Casing	8-5/8"	24#	8.1	271 ft	0.06370	12-1/4"
Production Casing	4-1/2"	10.5#	4.05	2,134 ft	0.01593	7-7/8"
Csg x Open hole	7.875 x 4.5	-	-	-	0.04060	-
Csg Annular	8.1 X 4.5	-	-	-	0.04410	-
Tubing	2-3/8" (3/2022)	4.7#	65 jts	2,053 ft		
PBTD	2,089 ft					

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### Cement

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Type	Class G	
Yield	1.15	Bbl/sx
Water	5	Gal/sx
Weight	15.8	PPG
Total Job Cmt	93	SX
Total Cmt Water	465	Gal
Csg Vol Water	29.9	Bbl

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Lift Type: Plunger

Historic Braden Head Pressure: 0 psi

Rig History: 3/3/2022: tbg swap and air cleanout, treated well with 300 gal HCl acid job.

WL/Swab: Post rig 3/2022- swabbed very little fluid, 300 gal methanol treatment, ran out of fluid to swab, well stayed in vacuum.

CBL Logs: CBL in 1990 but only of FRC perf interval.

## Hilcorp Energy Company

### Proposed P&A Procedure

P&A Cement: All cement plugs include a 50 ft excess volume. Due to SJ Basin cement resource limitations, either Type III (6.64 gal/sx, 1.37 yld, 14.8#) or Type 2/5 (6.041 gal/sx, 1.27 yld, 15#) cement might be used at any point during the P&A project.

#### RIG P&A PROCEDURE:

- 1) Verify all wellhead valves are operatable.
- 2) RU slickline and attempt to clear 2-3/8" tbg string.
- 3) Move onto well location. Check well pressures on all casing strings and record (daily). Check well for H<sub>2</sub>S and blow down well as necessary.
- 4) RD wellhead and RU BOPs. Function test BOP 2-3/8" pipe and blind rams.
- 5) TOOH and LD 2-3/8" production tbg string.
- 6) MU 2-3/8" work string with 4-1/2" csg scraper and RIH to 1,900'. POOH.
- 7) MU 4-1/2" CICR (3.62" ID) and RIH. Set CICR at 1,875'.
- 8) Fill casing full of water.
- 9) Pressure test csg to 550 psi to verify integrity.
- 10) PLUG #1 (PC TOP @ 2,057'; FRC top perf @ 1,925', FRC TOP @ 1,778')
  - a. Squeeze into CICR with 16 SXS, 3.3 BBLS of Class G, 1.15 yld, 15.8# cement into FRC perforations.
  - b. Sting out of CICR and pump a 197' balanced cement plug from 1,678'- 1,875' with 16 SXS, 3.3 BBLS of Class G, 1.15 yld, 15.8# cement inside the 4-1/2" csg.
- 11) TOOH with tbg to 1,311'.
- 12) PLUG #2 (OJO TOP @ 1,097', KIRTLAND TOP @ 1,261')
  - a. Pump a 314' balanced cement plug from 997'- 1,311' with 25 SXS, 5.1 BBLS of Class G, 1.15 yld, 15.8# cement inside the 4-1/2" csg.
- 13) TOOH with tbg to 321'.
- 14) PLUG #3 (CSG SHOE @ 271', SURFACE)
  - a. Pump a 306' balanced cement plug from 15'- 321' with 24 SXS, 4.9 BBLS of Class G, 1.15 yld, 15.8# cement inside the 4-1/2" csg.
- 15) N/D BOPE.
- 16) Verify all cement volumes and cmt tag depths with onsite BLM and/or NMOCD field reps.
- 17) Cut off wellhead.
- 18) Check whd marker joint for correct well information and weld on P&A well marker.
- 19) Top off all casing strings and whd cellar with 12+/- sx of cement.
- 20) Release rig.

# Hilcorp Energy Company

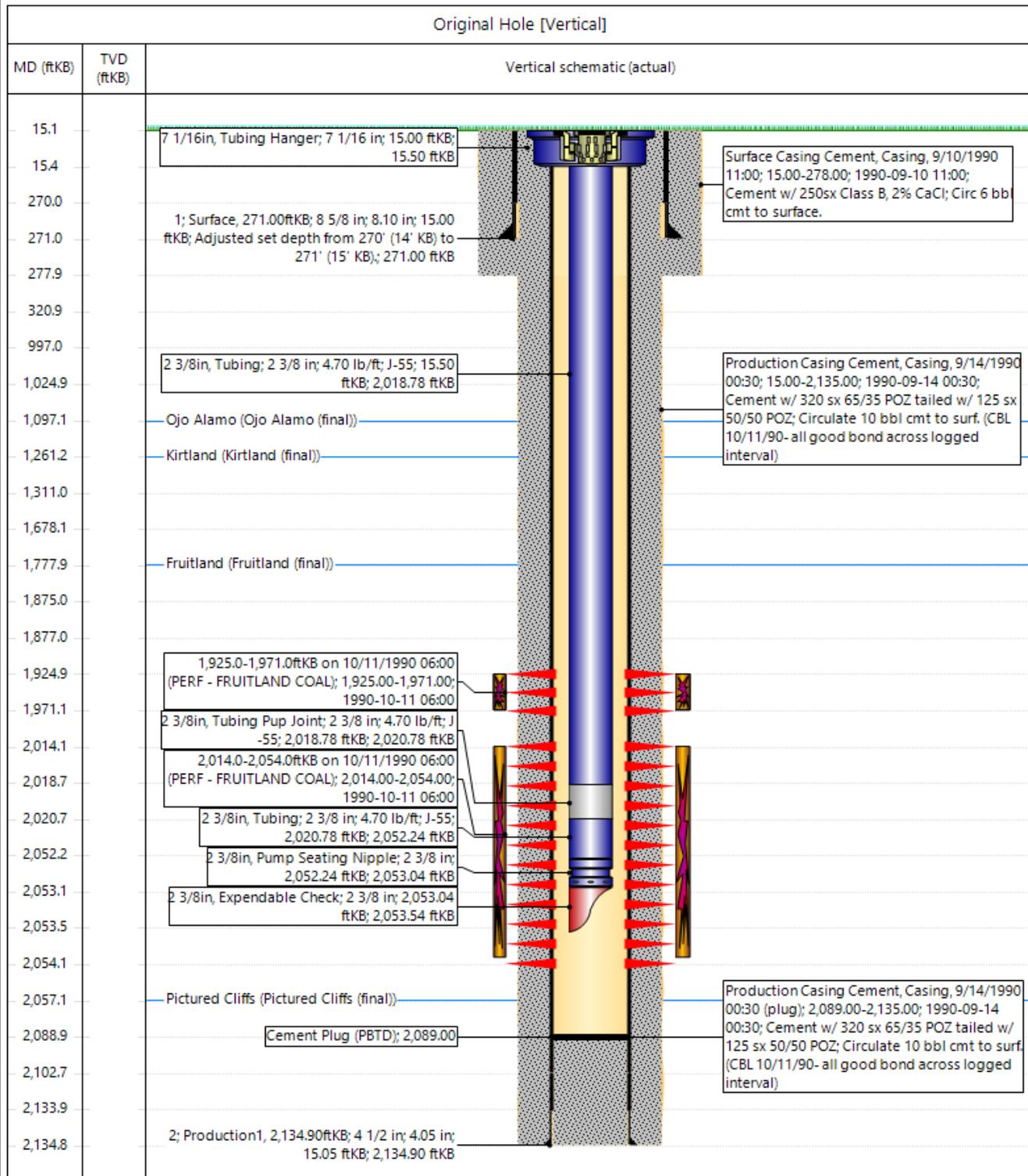
## Proposed P&A Procedure



### Current Schematic - Completion Comments

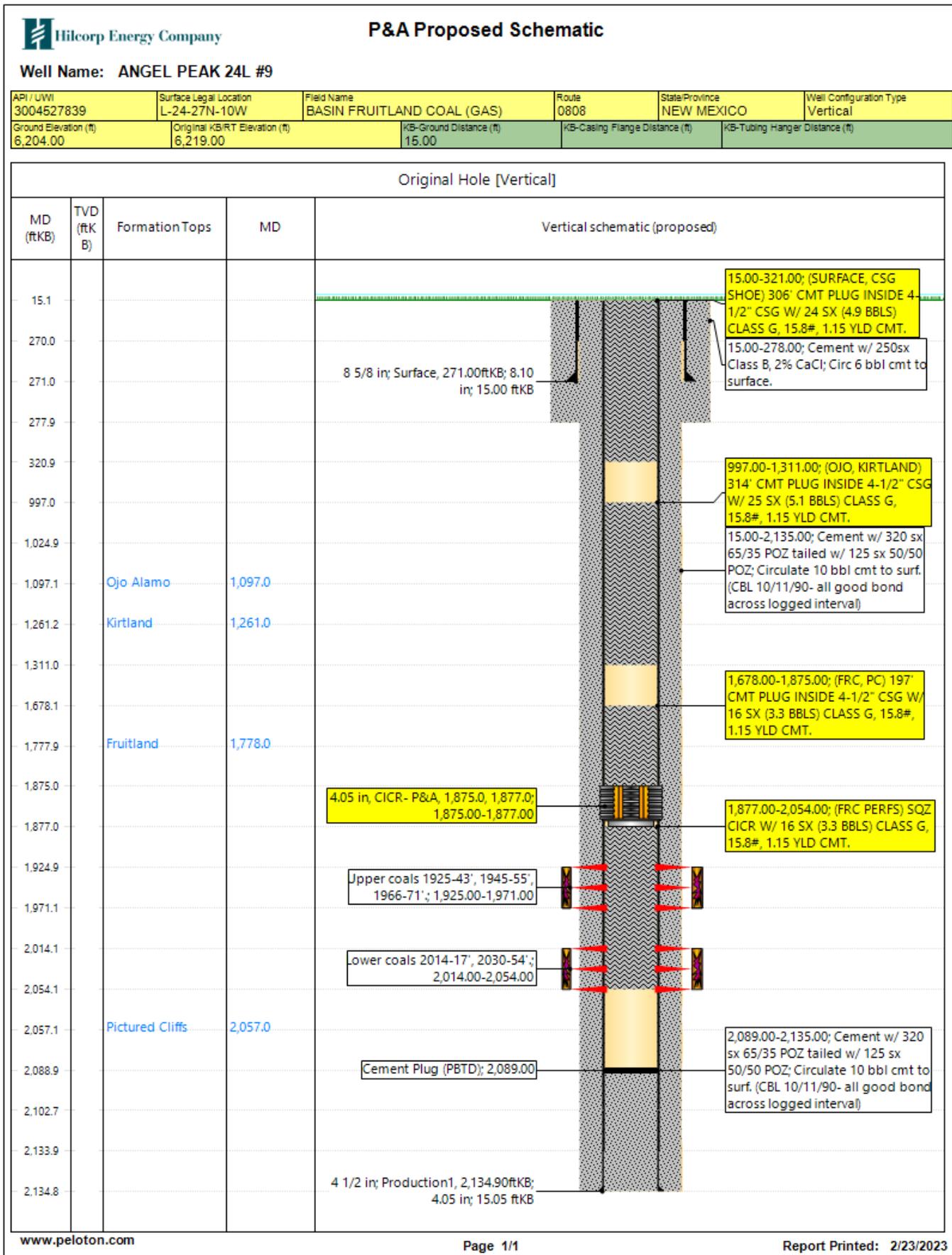
**Well Name: ANGEL PEAK 24L #9**

API / UWI 3004627839	Surface Legal Location L-24-27N-10W	Field Name BASIN FRUITLAND COAL (GAS)	Route 0808	State/Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 6,204.00	Original KB/RT Elevation (ft) 6,219.00	KB-Ground Distance (ft) 15.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	



# Hilcorp Energy Company

## Proposed P&A Procedure



Hilcorp Energy  
P&A Final Reclamation Plan  
**Angel Peak 24L 9**  
API: 30-045-27839  
T27N-R10W-Sec. 24-Unit L  
LAT: 36.55917 LONG: -107.85162 NAD 27  
Footage: 2075' FSL & 1285' FWL  
San Juan County, NM

**1. PRE- RECLAMATION SITE INSPECTION**

A pre-reclamation site inspection was completed with Roger Herrera from the BLM and Eufracio Trujillo, Hilcorp Energy SJ South Construction Foreman on February 21, 2023.

**2. LOCATION RECLAMATION PROCEDURE**

1. Reclamation work will begin in summer.
2. Removal of all equipment, anchors, flowlines, cathodic, and pipelines.
3. All trash and debris will be removed within a 50' buffer outside of the location disturbance during reclamation.
4. Close out BGT on location when results permit.
5. Rip compacted soil and walk down disturbed portion of well pad.
6. Pull Northern edge towards Southern edges.
7. Slope diversion ditch along edge of pad into well pad.
8. Add silt traps if needed.
9. Remove all gravel from berms, pads, and meter run and use on lease road where needed.
10. Enterprise meter run will be removed out of their ROW. Remove riser if possible.

**3. ACCESS ROAD RECLAMATION PROCEDURE**

1. The well access road will be ripped and contoured in.
2. Block at the main lease road with a berm and ditch.
3. Seed road.

**4. SEEDING PROCEDURE**

1. A Pinon/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.

**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<sub>2</sub>S.

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.

**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
6251 COLLEGE BLVD.  
FARMINGTON, NEW MEXICO 87402**

AFMSS 2 Sundry ID 2717454

Attachment to notice of Intention to Abandon

Well: Angel Peak 24 L 9

**CONDITIONS OF APPROVAL**

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. 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 03/24/2022

**BLM FLUID MINERALS  
P&A Geologic Report**

**Date Completed:** 3/23/2023

Well No. Angel Peak 24 L #009 (API# 30-045-27839)	Location	2075	FSL	&	1285	FWL
Lease No. NMSF077952	Sec. 24	T27N			R10W	
Operator Hilcorp Energy Company	County	San Juan		State	New Mexico	
Total Depth 2135'	PBTD 2089'	Formation Fruitland Coal				
Elevation (GL)		Elevation (KB) 6219'				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose					
Nacimiento			Surface	1097	Surface/freshwater sands
Ojo Alamo Ss			1097	1261	Aquifer (possible freshwater)
Kirtland Shale			1261	1778	Possible Gas
Fruitland			1778	2057	Coal/Gas/Water
Pictured Cliffs Ss			2057	PBTD	Gas
Lewis Shale					
Chacra					
Cliff House Ss					
Menefee					
Point Lookout Ss					
Mancos Shale					
Gallup					
Greenhorn					
Graneros Shale					
Dakota Ss					
Morrison					

Remarks:

P &amp; A

- Sundry ID: 2717454
- Fruitland Coal perfs 1925' – 2054'.

Reference Well:

1) **Formation Tops**  
 Hilcorp Energy Company  
 J C Gordon D #005E  
 30-045-25626  
 Lot K, Sec. 24, T27N, R10W  
 6238' KB elev.

Prepared by: Chris Wenman

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

COMMENTS  
 Action 200661

**COMMENTS**

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 200661
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

**COMMENTS**

Created By	Comment	Comment Date
john.harrison	Accepted for record - NMOCD JRH 4/4/23 BLM approved P&A 3/24/23	4/4/2023

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
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 Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 200661

**CONDITIONS**

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 200661
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

**CONDITIONS**

Created By	Condition	Condition Date
john.harrison	None	4/4/2023