

Well Name: CANYON LARGO UNIT	Well Location: T25N / R6W / SEC 7 / NESW / 36.410446 / -107.511566	County or Parish/State: RIO ARRIBA / NM
Well Number: 61	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078883	Unit or CA Name: CANYON LARGO UNIT--PC	Unit or CA Number: NMNM78383A
US Well Number: 3003923820	Operator: HILCORP ENERGY COMPANY	

Notice of Intent

Sundry ID: 2788346

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 05/03/2024	Time Sundry Submitted: 11:54
Date proposed operation will begin: 05/23/2024	

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 05/1/2024 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

2024_04_18__CANYON_LARGO_UNIT_61__P_A_NOI_20240503115334.pdf

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Conditions of Approval

Specialist Review

General_Requirement_PxA_20240503120332.pdf
Canyon_Largo_Unit_61_Geo_KR_20240503120310.pdf
2788346_NOIA_61_3003923820_KR_05032024_20240503120300.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: MAY 03, 2024 11:53 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: 05/03/2024
Signature: Kenneth Rennick



HILCORP ENERGY COMPANY
CANYON LARGO UNIT 61
P&A NOI

API #: 3003923820

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; NU and test BOP.
4. Set a 2-7/8" CIBP or CICR at +/- 2,711' to isolate the PC 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 +/- 2,711'.
8. **PLUG #1: 20sx of Class G Cement (15.8 PPG, 1.15 yield); PC Perfs @ 2,761' | PC Top @ 2,749' | FRD Top @ 2,618' | KRD Top @ 2,265' | OJO Top @ 2,122':**
 Pump a 20 sack balanced cement plug inside the 2-7/8" casing (est. **TOC @ +/- 2,022'** & est. **BOC @ +/- 2,711'**). Wait on Cement for 4 hours, tag TOC w/ work string. *Note cement plug lengths & volumes account for excess.
9. Load the well as needed. Pressure test the casing above the plug to 560 psig. If pressure test passes, no need to WOC or Tag on Subsequent Plugs.
10. POOH w/ work string to +/- 1,160'.
11. **PLUG #2: 5sx of Class G Cement (15.8 PPG, 1.15 yield); NAC Top @ 1,110':**
 Pump a 5 sack balanced cement plug inside the 2-7/8" casing (est. **TOC @ +/- 1,010'** & est. **BOC @ +/- 1,160'**). *Note cement plug lengths & volumes account for excess.
12. POOH w/ work string.
13. TIH & perforate squeeze holes @ +/- 190'. Establish circulation.
14. **PLUG #3: 54sx of Class G Cement (15.8 PPG, 1.15 yield); Surf. Casing Shoe @ 140':**
 Pump 9sx of cement in the 2-7/8" casing X 6-3/4" open hole annulus (est. **TOC @ +/- 140'** & est. **BOC @ +/- 190'**). Continue pumping 39sx of cement in the 2-7/8" casing X 8-5/8" casing annulus (est. **TOC @ +/- 0'** & est. **BOC @ +/- 140'**). Pump an 6 sack balanced cement plug inside the 2-7/8" casing (est. **TOC @ +/- 0'** & est. **BOC @ +/- 190'**).
15. 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
CANYON LARGO UNIT 61
P&A NOI

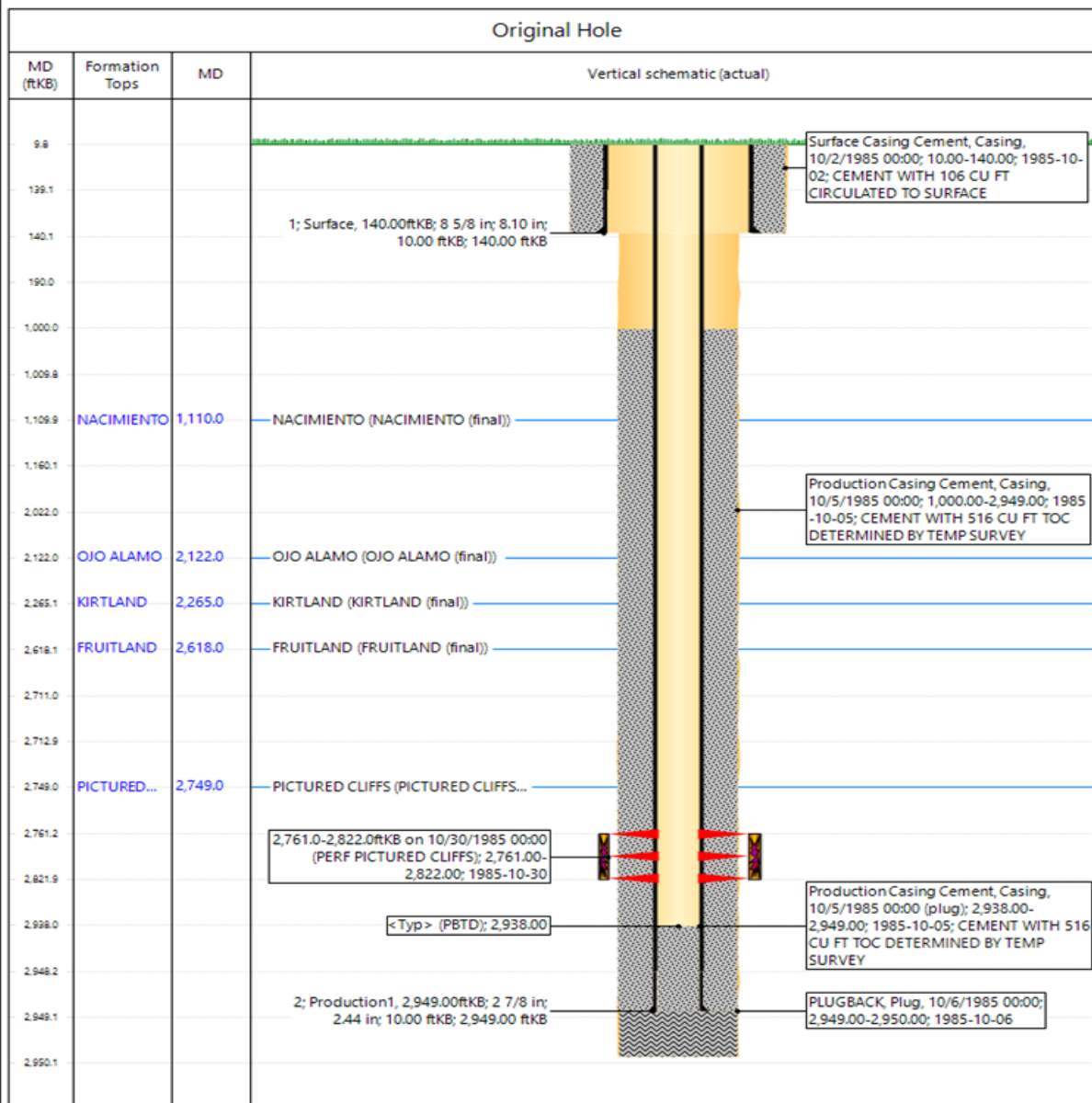
CANYON LARGO UNIT 61 - CURRENT WELLBORE SCHEMATIC



P&A WBD - Current Schematic

Well Name: CANYON LARGO UNIT #61

API / UWI 3003923820	Surface Legal Location 007-025N-006W-K	Field Name BLANCO P.C. SOUTH (GAS)	Route 0910	State/Province NEW MEXICO	Well Configuration Type
Ground Elevation (ft) 6,803.00	Original KBRT Elevation (ft) 6,813.00	Tubing Hanger Elevation (ft)	KB to GL (ft) 10.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)



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Report Printed: 4/18/2024



HILCORP ENERGY COMPANY
CANYON LARGO UNIT 61
P&A NOI

CANYON LARGO UNIT 61 - PROPOSED WELLBORE SCHEMATIC

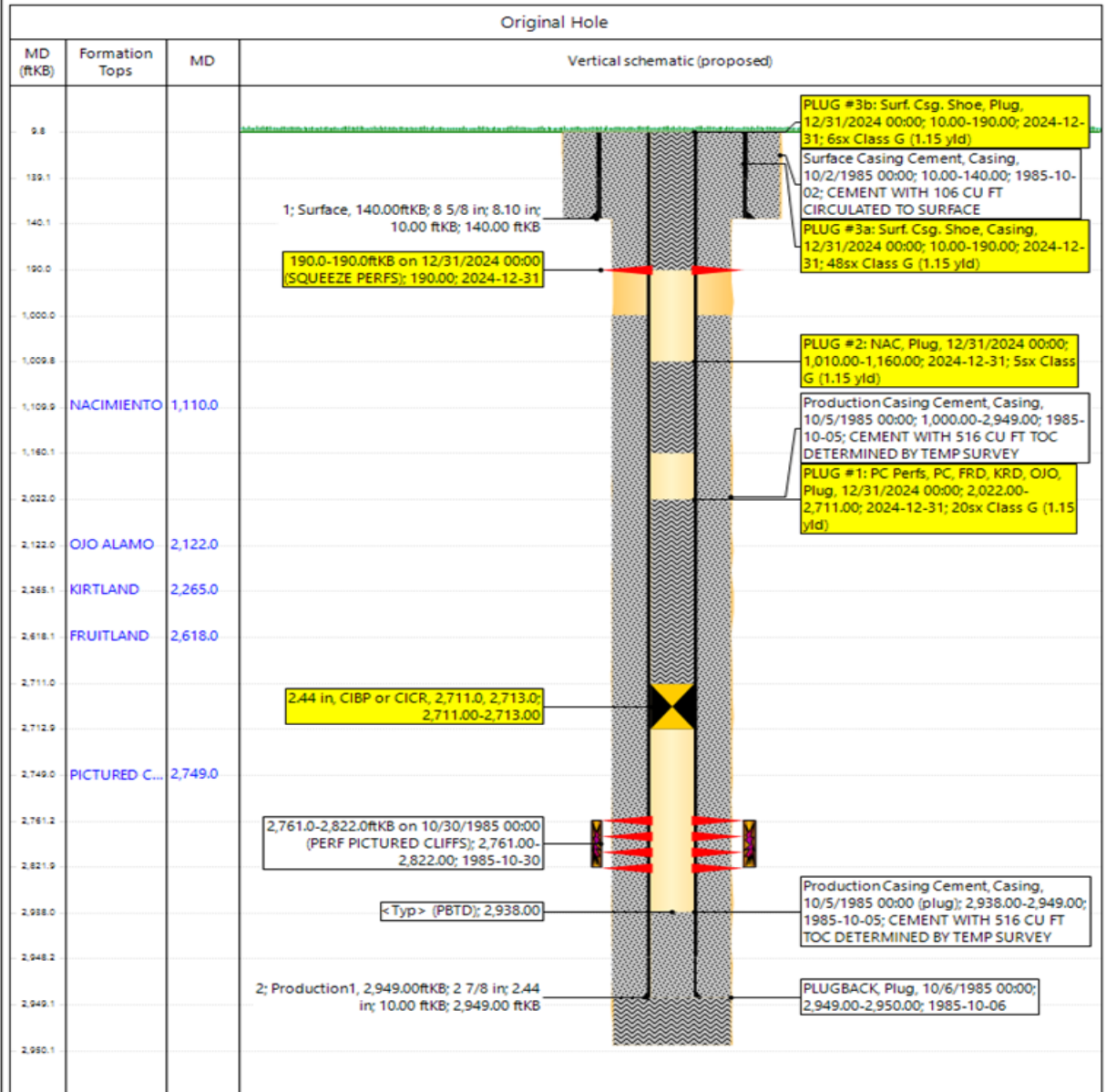


Hilcorp Energy Company

P&A WBD - Proposed Schematic

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Hilcorp Energy

Canyon Largo 61

36.41043, -107.51155

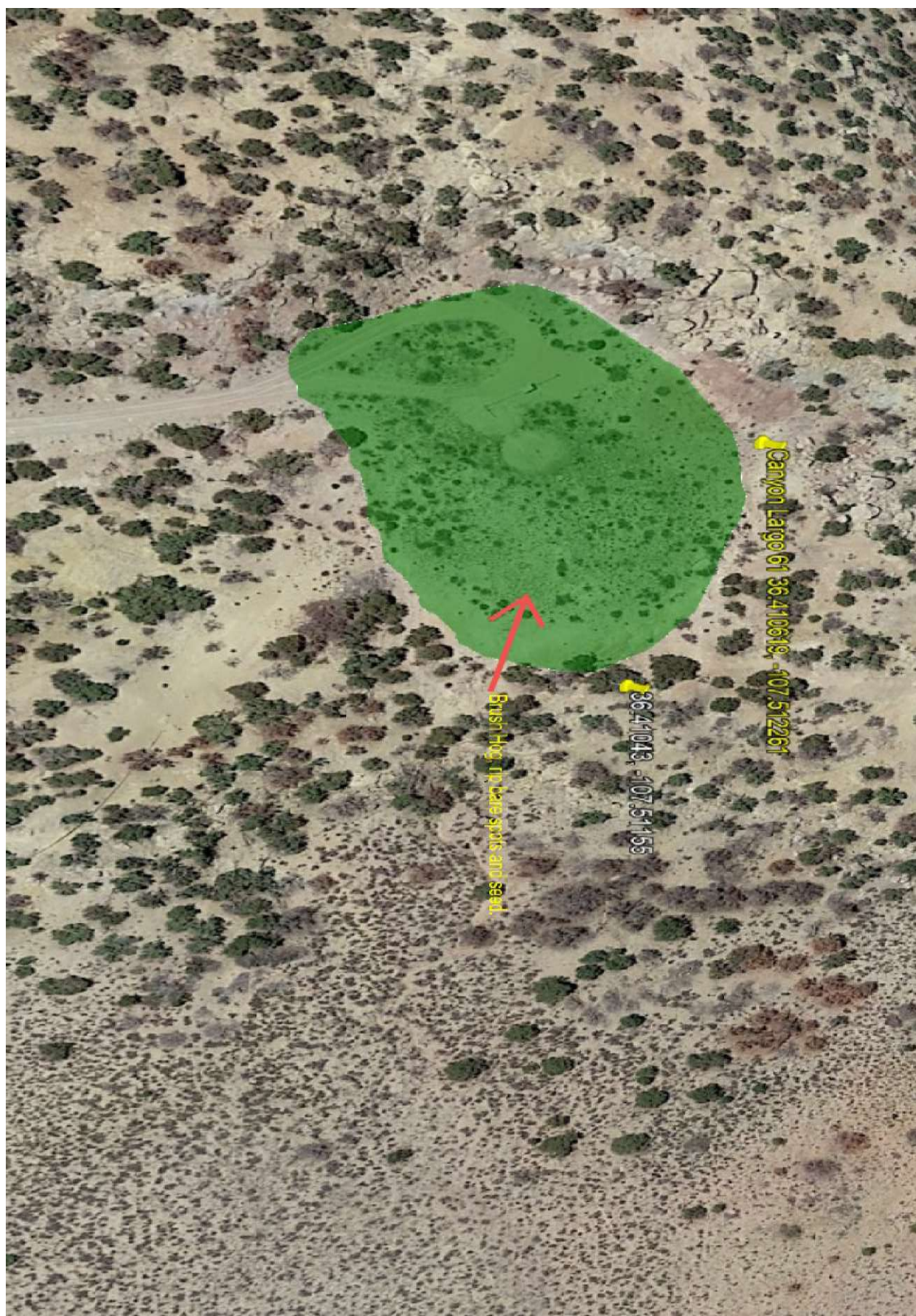
API-30-039-23820

25N-06W SEC 07

Final Reclamation Plan

Onsite Completed on 5/1/2024 with Roger Herrera and Bryan Hall

1. Pick up and remove all trash, metal, cable, and any foreign debris within 100' of location.
2. Remove anchors.
3. Strip equipment off facility.
4. Remove piping and cables.
5. Enterprise to remove meter run and piping 50' off location.
6. Reclaim road. Install silt traps or rolling water bars as necessary to control water. Pull edges of road back into road and Rip.
7. Build 3 strand Fence, with t-posts and t-Post Braces at the start of the road.
8. Rip compacted soil, leaving rough terrain.
9. Re-seed all disturbed areas. Drill where applicable at rate per acre defined by seed mix(3.0 acres), and broadcast seed and harrow, at double the rate, all other disturbed areas. BLM Special seed mix will be used.







**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 H₂S.

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 5/3/2024

Well No.	Canyon Largo Unit 61	Surf. Loc.	1450	FSL	1550	FWL
US Well No.	30-039-23820	Sec.	7	T. 25N	R. 6W	
Lease No.	NMSF078883					
Agrmt #	NMNM78383A	County	Rio Arriba		State	NM
Operator	Hilcorp Energy Company	Formation				
TVD	2950	PBTD	2938	Elevation KB	NA	
Elevation GL	6803					

Geologic Formations	Est. tops	Remarks
Nacimiento Fm.	850	Surface/ fresh water sands
Ojo Alamo Ss.	2122	Fresh water aquifer
Kirtland Fm.	2265	
Fruitland Fm.	2618	Coal/gas/possible water
Pictured Cliffs	2749	Possible gas/water

Remarks:

Reference Wells:

The available induction log and the reference wells support the formation tops selected by the operator up to Ojo Alamo. The Nacimiento top appears to be higher than the operator selected location. Adjust the top of Plug 2 to 750 ft to account for the BLM selected Nacimiento top at 850 ft.	Canyon Largo Unit 243 US Well No. 30-039-20899 Sec 14 T 25N R 7W Rio Arriba County, New Mexico Canyon Largo Unit 452 US Well No. 30-039-27018 Sec 12 T 25N R 6W Rio Arriba County, New Mexico
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Prepared by: Kenneth Rennick

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

AFMSS 2 Sundry ID 2788346

Attachment to notice of Intention to Abandon

Well: Canyon Largo Unit 61

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. The following modifications to your plugging program are to be made:
 - a. Adjust the top of Plug 2 to 750 ft to account for the BLM selected Nacimiento top at 850 ft.
3. 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 05/03/2024

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

CONDITIONS

Action 340716

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 340716
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	Notify NMOCD 24 hours prior to moving on -Follow BLM picks for formation tops - Report bradenhead pressure prior to starting plugging - Monitor string pressures daily report on subsequent - extend plug 1 to 50 feet below PC top	5/7/2024