

Well Name: HAMNER	Well Location: T29N / R9W / SEC 29 / NWNW / 36.700958 / -107.806854	County or Parish/State: SAN JUAN / NM
Well Number: 7	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF080245	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004511719	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2707080

Type of Submission: Notice of Intent Type of Action: Plug and Abandonment

Date Sundry Submitted: 12/13/2022 Time Sundry Submitted: 11:25

Date proposed operation will begin: 01/09/2023

Procedure Description: Hilcorp Energy Company requests permission to P&A the subject well per the attached procedures, current and proposed wellbore schematics. A closed loop system will be used. A pre-disturbance site visit was not conducted as surface is Fee.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Hamner_7_PA_Procedure_for_NOI_20221213112507.pdf

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Conditions of Approval

Additional

29N09W29DKpc_Hamner_007_20221219124346.pdf

Authorized

General_Requirement_PxA_20221219134325.pdf

2707080_NOIA_7_3004511719_KR_12192022_20221219134248.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: KANDIS ROLAND	Signed on: DEC 13, 2022 11:25 AM
Name: HILCORP ENERGY COMPANY	
Title: Operation Regulatory Tech	
Street Address: 382 Road 3100	
City: Farmington	State: NM
Phone: (505) 599-3400	
Email address: kroland@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: 12/19/2022
Signature: Kenneth Rennick	

Hilcorp Energy Company

Proposed P&A Procedure

Well: Hamner 7

API: 30-045-11719

Date: 12/12/2022

Engr: M Wissing

Surface: Fee

Wellbore		Wt #	ID	Bottom (ft)	Bbl/ft	Drill Bit
SPUD	5/15/1966					
Surface Casing	8-5/8"	24	8.41	87	0.06867	12-1/4"
Production Casing	3-1/2"	9.2	2.992	2241	0.00869	7-7/8"
Csg Annular	8-5/8" x 3-1/2"	-	-	-	0.05680	
Tubing	none					
PBTD (ft)	2241					

Cement

Type	Class G	
Yield	1.15	Bbl/sx
Water	5	Gal/sx
Weight	15.8	PPG
Total Job Cmt	47	SX
Total Cmt Water	235	Gal
Csg Vol Water	17.8	Bbl

Historic Braden Head Pressure: 0 psi

Rig Well Notes: Only slickline report was 2/7/01- ran 1.65" GR tagging at 2,140' (perfs 2,093'-2,152') and SICP at 95 psi.

Logs: none

P&A Cement: All cement plugs include 50 ft excess volumes. 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.

Hilcorp Energy Company

Proposed P&A Procedure

RIG P&A PROCEDURE:

- 1) Verify all wellhead valves are operatable.
- 2) Verify slickline has cleared 3-1/2" csg with gauge ring down to 2,050'.
- 3) Move onto well location. Check well pressures on all casing strings and record (daily). Check well for H₂S and blow down well as necessary.
- 4) RU E-line and MU 2.75" gauge ring. RIH and clear casing to 2,050'
- 5) MU 3-1/2" CIBP (2.75" OD) and RIH. Set at 2,043'.
- 6) RD wellhead and RU BOPs. Function test BOP pipe and blind rams.
- 7) MU 1-1/4" work string and RIH. Tag CIBP.
- 8) Roll the hole clean and release any trapped gas.
- 9) Pressure test the casing to 550-600 psi for 10 minutes (no chart).
- 10) PLUG #1 (TOP PERF @ 2,093', PC TOP @ 2,093', FRC TOP @ 1,770')
 - a. Pump a 373' cement balanced plug with from 1,670' - 2,043' with 16 SXS, 3.3 BBLS of Class G, 1.15 yld, 15.8# cement inside the 3-1/2" csg.
- 11) TOOH to 1,170'
- 12) PLUG #2 (Kirtland TOP @ 1,120', Ojo TOP @ 970')
 - a. Pump a 300' cement balanced plug from 870' - 1,170' with 13 SXS, 2.7 bbls of Class G, 1.15 yld, 15.8# cement inside the 3-1/2" csg.
- 13) TOOH with tbg to 137'.
- 14) PLUG #3 (Shoe @ 87')
 - a. Pump a 127' cement balanced plug from 10' - 137' with 6 SXS, 1.2 bbls of Class G, 1.15 yld, 15.8# cement inside the 3-1/2" csg.
- 15) N/D BOPE.
- 16) Cut off wellhead.
- 17) Check marker joint for correct well information.
- 18) Tag TOC inside csg and record depth, weld on P&A well marker, and top off all casings and whd cellar with 12+/- sx of cement.
- 19) Release rig.

Hilcorp Energy Company

Proposed P&A Procedure

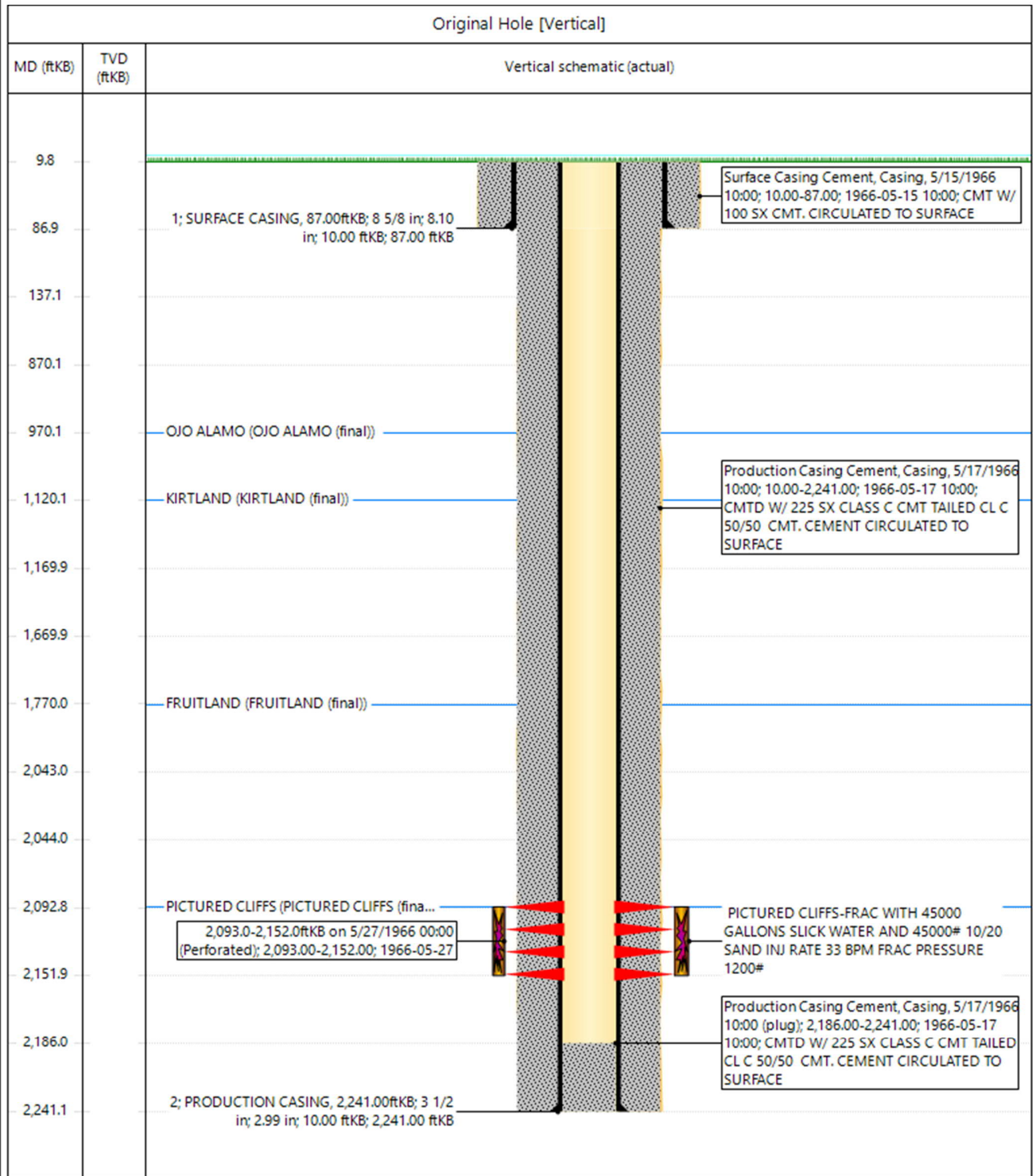


Hilcorp Energy Company

Current Schematic - Completion Comments

Well Name: HAMNER 007

API / UWI 3004511719	Surface Legal Location 029-029N-009W-D	Field Name PC	Route 0805	State/Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 5,707.00	Original KB/RT Elevation (ft) 5,717.00	KB-Ground Distance (ft) 10.00	KB-Casing Flange Distance (ft) 10.00	KB-Tubing Hanger Distance (ft) 10.00	



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Report Printed: 12/12/2022

Hilcorp Energy Company

Proposed P&A Procedure

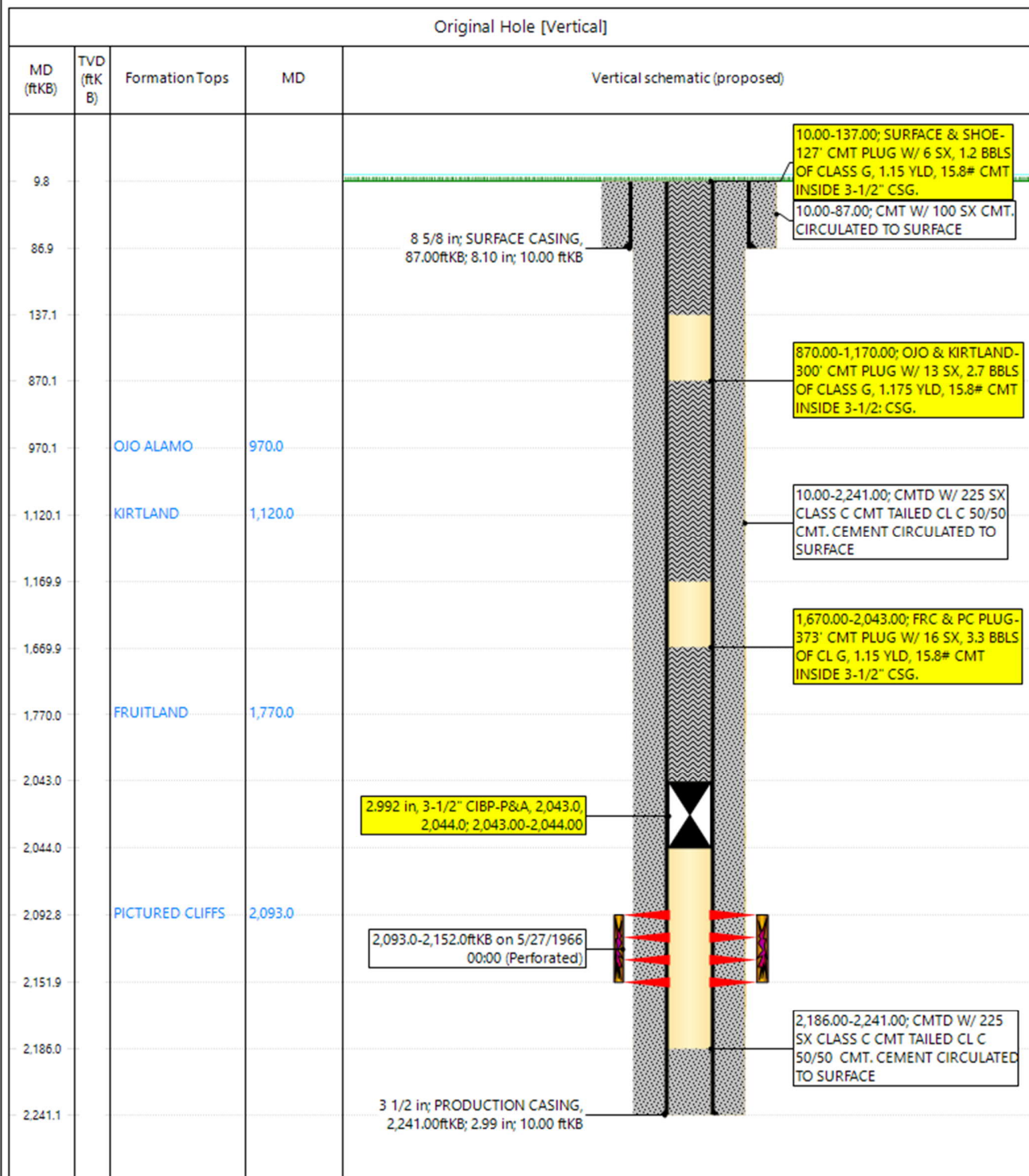


Hilcorp Energy Company

P&A Proposed Schematic

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Report Printed: 12/12/2022

BLM FLUID MINERALS P&A Geologic Report

Date Completed: 12/19/2022

Well No. Hamner #007 (API# 30-045-11719)	Location	940	FNL	&	890	FWL
Lease No. NMSF080245	Sec. 29	T29N			R09W	
Operator Hilcorp Energy Company	County	San Juan			State	New Mexico
Total Depth 2241'	PBTD 2186'	Formation Pictured Cliffs				
Elevation (GL)		Elevation (KB) 5717'				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose					
Nacimiento	Surface	970			Surface/freshwater sands
Ojo Alamo Ss	970	1120			Aquifer (possible freshwater)
Kirtland Shale	1120	1770			Possible Gas
Fruitland	1770	2093			Coal/Gas/Water
Pictured Cliffs Ss	2093	PBTD			Gas
Lewis Shale					
Chacra					
Cliff House Ss					
Menefee					
Point Lookout Ss					
Mancos Shale					
Gallup					
Greenhorn					
Graneros Shale					
Dakota Ss					
Morrison					

Remarks:

P & A

- Pictured Cliffs perfs 2093' – 2152'.

Reference Well:

1) **Formation Tops**

Mustang Resources, LLC

A B Geren #006

965 FNL, 1690 FEL

Sec. 29, T29N, R09W

5836' KB elev.

Prepared by: Chris Wenman

**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), five copies, 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.

(October 2012 Revision)

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

AFMSS 2 Sundry ID 2707080

Attachment to notice of Intention to Abandon

Well: Hamner 7

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 12/19/2022

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 171769

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 171769
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	1/11/2023
kpickford	Adhere to BLM approved COAs and plugs. See BLM COAs and GEO report.	1/11/2023