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

Sundry Print Report

11/10/2021

Well Name: MANSFIELD

Well Location: T30N / R9W / SEC 28 / SWNW / 36.785309 / -107.791534

County or Parish/State: SAN JUAN / NM

Well Number: 5

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMSF045646A

Unit or CA Name: GIOMI

Unit or CA Number: NMNM73107

US Well Number: 3004513111

Well Status: Producing Gas Well

Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2641761

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 10/27/2021

Time Sundry Submitted: 08:34

Date proposed operation will begin: 10/26/2021

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 10/19/2021 with Bob Switzer/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

Mansfield_5_P_A_NOI_20211027083345.pdf

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Conditions of Approval

Additional Reviews

General_Requirement_PxA_20211109150509.pdf

2641761_NOIA_5_3004513111_KR_11092021_20211109150441.pdf

Mansfield_5_Geo_Rpt_20211109135227.pdf

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: AMANDA WALKER

Signed on: OCT 27, 2021 08:33 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

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: 11/09/2021

Signature: Kenneth Rennick

HILCORP ENERGY COMPANY
Well Name: MANSFIELD 5
P&A SUNDRY

API #:	3004513111

JOB PROCEDURES

☑ NMOCD ☑ BLM **Contact OCD and BLM 24 hrs prior to MIRU. Record and document all casing pressures daily, including BH, IC (if present) and PC. Comply with all NMOCD, BLM, and HEC safety and environmental regulations.**

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and HEC safety and environmental regulations. Scope location for base beam. If base beam can not be used, test rig anchors prior to moving in rig. Verify there is no H2S present prior to beginning operations. Verify cathodic is offline.

2. MIRU workover rig. Check casing, tubing, and bradenhead pressures and record them in WellView. If there is pressure on the BH, contact Ops Engineer.

3. Remove existing piping on casing valve. RU blow lines from casing valves and begin blowing down casing pressure. Kill well as necessary.

4. ND wellhead and NU BOPE. Test and chart BOPs as per regulations. RU 1-1/4" handling tools and floor.

5. RU WL and RIH w/ gauge ring to 2548'. RIH w/ 2-7/8" CIBP and set at +/- 2548'. RD WL.

6. PU and tally 1-1/4" workstring and TIH open ended to 2548'.

7. Roll hole w/ freshwater and pressure test 2-7/8" casing to 500 psi. If casing does not test, then spot or tag subsequent plugs as appropriate. WOC to be determined upon pressure test.

8. TOOH w/ tbg.

9. RU WL and run CBL from 2548' to surface, while keeping hole loaded. RD WL.

10. TIH open ended to 2548'.

11. Pump Plug 1, 2548'-2197' (Perforations: 2598'-2608', Pictured Cliffs Top: 2595', Fruitland Top: 2247'). Mix & pump 12 sx of Class G cement and spot plug on top of CIBP to cover perfs, PC, and Fruitland Tops. PU and reverse circulate tubing clean.

12. LD tbg to 1510' and TOOH.

13. RU WL and perforate at 1560'. Establish injection rate with freshwater and set CICR at 1510'. RD WL.

14. Sting into CICR.

15. Pump Plug 2, 1560'-1349' (Kirtland Top: 1510', Ojo Alamo Top: 1399'). Mix & pump 83 sx of Class G cement and pump an inside/outside plug squeezing 75 sx outside and leaving 8 sx inside to cover the Kirtland and Ojo Alamo tops. PU and reverse circulate clean.

16. LD tubing.

17. RU WL and perforate @ 346'. RD WL.

18. Pump Plug 3, 346'-Surface (Surface Shoe: 296'). Establish injection rate with water down 2-7/8" casing and back up BH through perfs. Mix & pump approximately 107 sx of Class G cement down csg and back up BH until good returns to surface. Top off as needed.

19. ND BOP and cut off wellhead below surface casing flange per regulations. Top off w/ cement if needed. Install P&A marker w/ cement to comply with regulations. RDMO and cut off anchors. Restore location per BLM stipulations.

HILCORP ENERGY COMPANY
Well Name: MANSFIELD 5
P&A SUNDRY

Well Name: MANSFIELD 5 - CURRENT WELLBORE SCHEMATIC

Hilcorp Energy Company

Schematic - Current

Well Name: MANSFIELD #5

API / UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004513111	028-030N-009W-E	BLANCO PICTURED CLIFFS (#0070		NEW MEXICO	

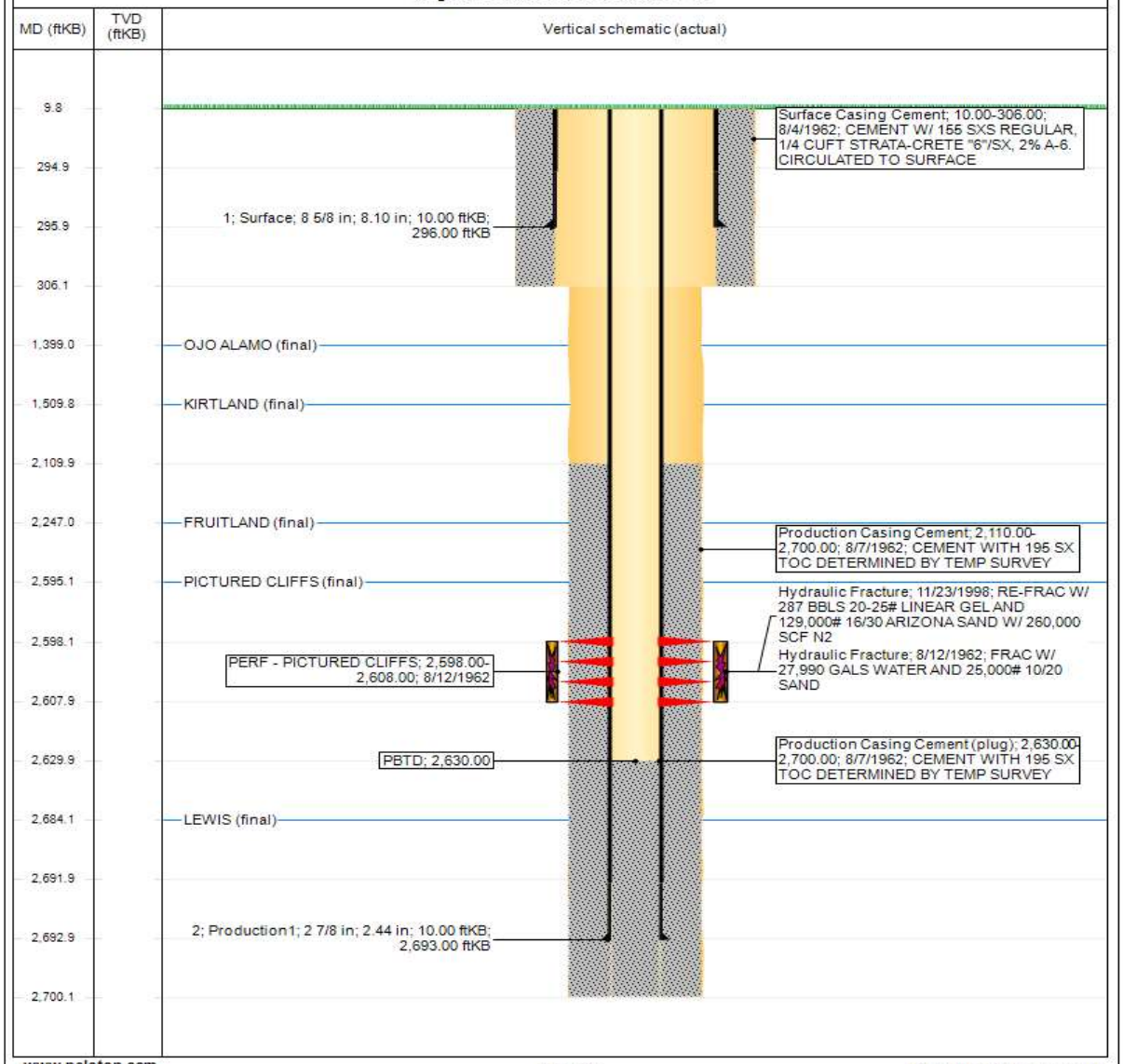
Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	Original Spud Date	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB)
5,920.00	10.00	8/4/1962 00:00	12/1/1998 06:00	Original Hole - 2,630.0	

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Actual Start Date	End Date
FACILITIES	RESTIMULATION	RESTIMULATION	10/7/2006	

TD: 2,700.0

Original Hole, 3/23/2020 1:58:38 PM



www.peloton.com

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Report Printed: 3/23/2020

Well Name: MANSFIELD 5 - PROPOSED WELLBORE SCHEMATIC

Hilcorp Energy Company

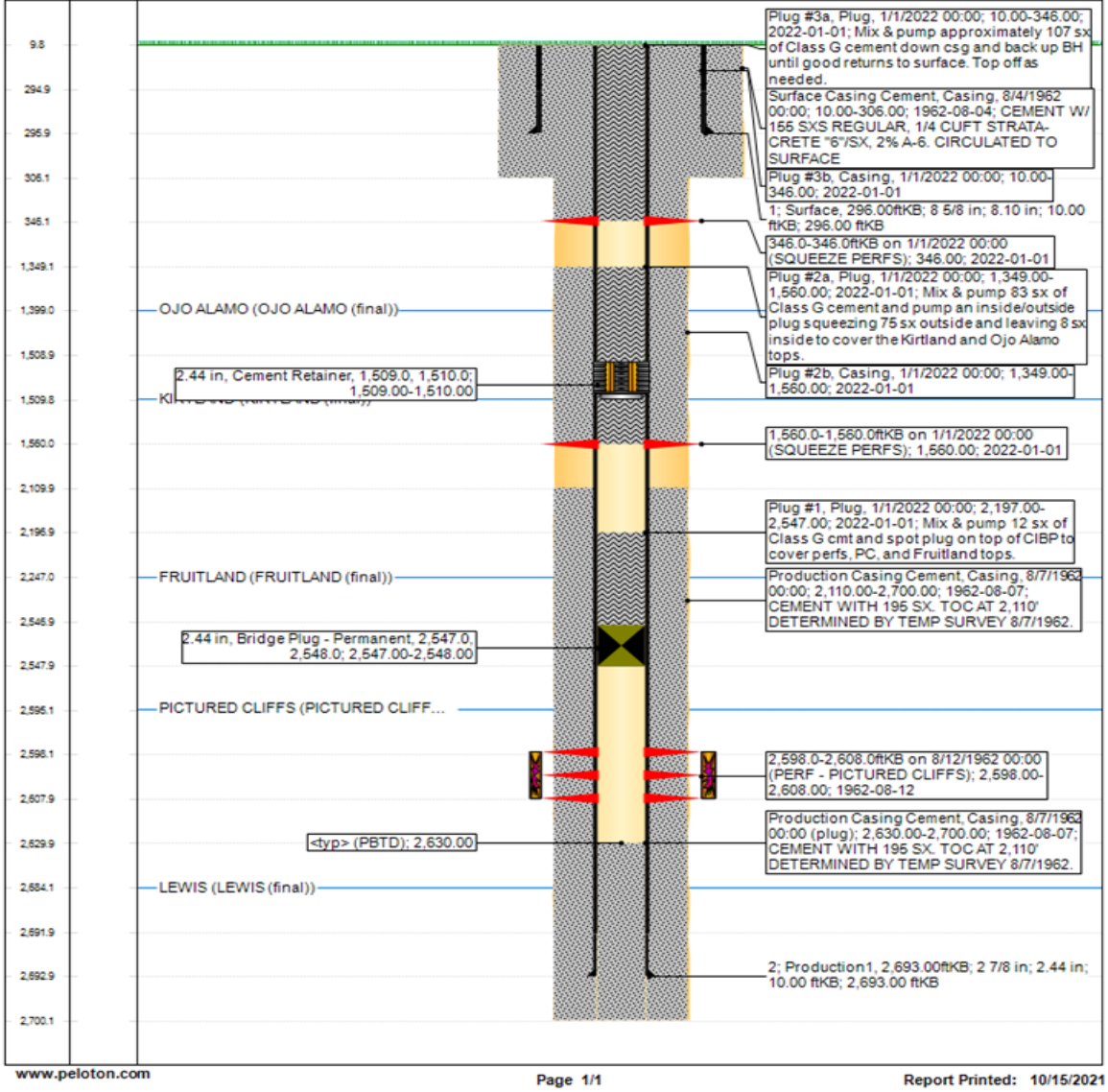
Current Schematic - Version 3

Well Name: MANSFIELD #5

API / UWI	Surface Legal Location	Field Name	Route	State/Province	Well Configuration Type
3004513111	028-030N-009W-E	BLANCO PICTURED CLIFFS (#0070	0309	NEW MEXICO	

Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
5,910.00	5,920.00	10.00		

Original Hole



Hilcorp Energy
P&A Final Reclamation Plan
Mansfield # 5
API: 30-045-13111
T30N-R09W-Sec. 28-Unit E
LAT: 36.78531 LONG: -107.79153 NAD 27
Footage: 1650' FNL & 790' FWL
San Juan County, NM

1. PRE- RECLAMATION SITE INSPECTION

   A pre-reclamation site inspection was completed with Bob Switzer from the BLM and Bobby Spearman, Hilcorp Energy SJ North Construction Foreman on October 19, 2021.

2. LOCATION RECLAMATION PROCEDURE

   1. Reclamation work will begin in the fall time.
   2. Removal of all equipment, anchors, BGT, and flowlines.
   3. BGT will be sampled and tested for closure and will be closed when closure stipulations are meet.
   4. All trash and debris will be removed within a 50' buffer outside of the location disturbance during reclamation.
   5. Rip compacted soil and walk down disturbed portion of well pad., Cathodic electric pole will be left in place
   6. Location will be left as contoured
   7. Remove all gravel from berms, pads, and meter run.
   8. Enterprise will need to remove line from location to dog leg unless it cannot be removed, and stub will be left on location.

3. ACCESS ROAD RECLAMATION PROCEDURE

   1. Access road to the Mansfield 260 well location will be left open.

4. SEEDING PROCEDURE

   1. A Pinion/Juniper seed mix mixed with sage will be used for all reclaimed and disturbed areas of the well pad .
   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.
   4. T-post and fencing shall be installed to prevent disturbance on seeded areas

5. WEED MANAGEMENT

   1. No noxious weeds were identified during this onsite.

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

Attachment to notice of
Intention to Abandon

Re: Permanent Abandonment
Well: Mansfield 5

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) Move top of Plug 2 to 915 feet to ensure coverage of the Ojo Alamo.

3. Farmington Office is to be notified at least 24 hours before the plugging operations commence (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 11/09/2021

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), 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.

BLM - FFO - Geologic Report

Date Completed 11/9/2021

Well No.	Mansfield		# 5	Surf. Loc.	1650	FNL	790	FWL
				Sec.	28	T30N		R9W
Lease No.	NMSF04546A	TVD	2700	PBTD	2630	Formation	Pictured Cliffs	
		Elevation	GL	5908		Elevation	Est. KB	5922
Operator	Hilcorp Energy Company			County	San Juan		State	New Mexico

Geologic Formations	Est. tops	Subsea Elev.	Remarks
Nacimiento Fm.	Surface	6297	Surface /fresh water sands
Ojo Alamo Ss	ND	>4412	Fresh water aquifer
Kirtland Fm.	1510	4412	
Fruitland Fm.	2247	3675	Coal/gas/possible water
Pictured Cliffs	2595	3327	Possible water

- ND - Not Determined. The interval from 965' to 1399' greatly resembles the Ojo Alamo and appears to contain significant water. This interval requires protection. Move the top of Plug 2 to 915'.

- Vertical wellbore - all fm. tops are TVD from KB.

1) Hilcorp
Fm. Tops
Same

Prepared by: Walter Gage

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 61109

COMMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 61109
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO Review 11/16/2021	11/16/2021

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

Action 61109

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	Action Number: 61109
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	11/16/2021
kpickford	CBL Required	11/16/2021
kpickford	Adhere to BLM approved plugs and COAs (See GEO Report)	11/16/2021