

Well Name: HUMBLE N KIRTLAND	Well Location: T30N / R14W / SEC 13 / NWSE / 36.81143 / -108.2571	County or Parish/State: SAN JUAN / NM
Well Number: 1E	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF079070	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004523866	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2653451

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 01/20/2022	Time Sundry Submitted: 11:21
Date proposed operation will begin: 02/01/2022	

**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 1/18/2022 with Bob Switzer/BLM. The Re-Vegetation Plan is attached. A closed loop system will be used. This P&A is being mandated by OCD due to a casing leak.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Humble\_N\_Kirtland\_1E\_P\_A\_NOI\_20220120112113.pdf

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<b>US Well Number:</b> 3004523866	<b>Well Status:</b> Producing Gas Well	<b>Operator:</b> HILCORP ENERGY COMPANY

Conditions of Approval

Additional Reviews

General\_Requirement\_PxA\_20220124064632.pdf  
2653451\_NOIA\_1E\_3004523866\_KR\_01242022\_20220124064618.pdf  
30N14W13JKd\_Humble\_N\_Kirtland\_1E\_20220121154454.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:** JAN 20, 2022 11:21 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:** 01/24/2022  
**Signature:** Kenneth Rennick



**HILCORP ENERGY COMPANY**  
**HUMBLE N KIRTLAND 1E**  
**NOTICE OF INTENT TO PERMANENTLY ABANDON**

API #: 3004523866

**JOB PROCEDURES**

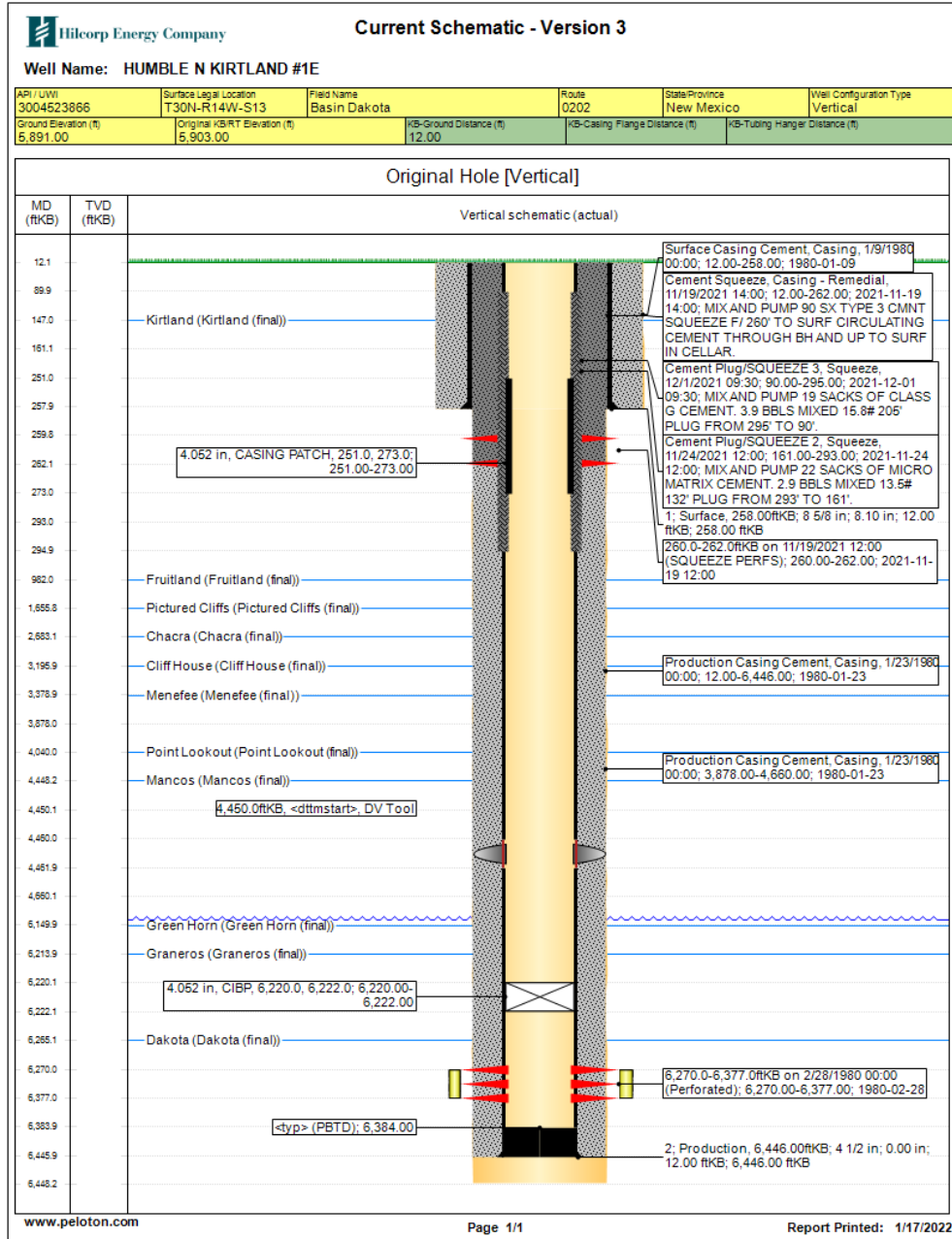
- |                                     |       |   |
|-------------------------------------|-------|---|
| <input checked="" type="checkbox"/> | NMOCD | <b>Contact BLM and OCD 24 hrs prior to MIRU. Record and document all casing pressures <u>daily</u>, including BH, IC (if present) and PC. Comply with all BLM, NMOCD, and HEC safety and environmental regulations.</b> |
| <input checked="" type="checkbox"/> | BLM   |   |

1. Hold pre-job safety meeting. Comply with all **BLM**, **NMOCD** 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.
3. Remove existing piping on casing valve. RU blow lines from casing valves and begin blowing down casing pressure.
4. ND wellhead and NU BOPE. Test and chart BOPs as per regulations. Record pressure test.
5. TIH open ended with 2-3/8" tubing/workstring.
6. Pump **Plug 1, 6220'-6170'** (Perforations: 6270'-6377', Dakota Top: 6265', CIBP: 6220'). Mix & pump 8 sx of Class G cement and spot plug on top of existing CIBP to cover DK top. PU and reverse circulate tubing clean. WOC 4 hours, then RIH and tag plug to confirm TOC.
7. LD tubing to 5442'.
8. Pump **Plug 2, 5442'-5342'** (Gallup Top: 5392'). Mix & pump 12 sx of Class G cement and spot balanced plug to cover the Gallup top. PU and reverse circulate tubing clean. WOC 4 hours, then RIH and tag plug to confirm TOC.
9. LD tubing to 4498'.
10. Pump **Plug 3, 4498'-4398'** (Mancos Top: 4448'). Mix & pump 12 sx of Class G cement and spot balanced plug to cover the Mancos Top. PU and reverse circulate tubing clean. WOC 4 hours, then RIH and tag plug to confirm TOC.
11. LD tubing to 3245'.
12. Pump **Plug 4, 3245'-3145'** (Mesaverde - Cliffhouse Top: 3195'). Mix & pump 12 sx of Class G cement and spot balanced plug to cover the Mesaverde Top. PU and reverse circulate tubing clean. WOC 4 hours, then RIH to tag plug to confirm TOC.
13. LD tubing to 2733'.
14. Pump **Plug 5, 2733'-2633'** (Chacra Top: 2683'). Mix & pump 12 sx of Class G cement and spot balanced plug to cover the Chacra Top. PU and reverse circulate tubing clean. WOC 4 hours, then RIH to tag plug to confirm TOC.
15. LD tubing to 1705'.
16. Pump **Plug 6, 1705'-1605'** (Pictured Cliffs Top: 1655'). Mix & pump 12 sx of Class G cement and spot balanced plug to cover the Pictured Cliffs Top. PU and reverse circulate tubing clean. WOC 4 hours, then RIH to tag plug to confirm TOC.
17. LD tubing to 1032'.
18. Pump **Plug 7, 1032'-932'** (Fruitland Coal Top: 982'). Mix & pump 12 sx of Class G cement and spot balanced plug to cover the Fruitland Coal Top. PU and reverse circulate tubing clean. WOC 4 hours, then RIH to tag plug to confirm TOC.
19. LD tubing to 308'.
20. Pump **Plug 8, 308'-Surface** (Surface Casing Shoe: 258', Kirtland Top 147'). Mix & spot ~28 sx of Class G cement from 308' to surface.
21. ND BOP. Cut off wellhead below surface flange per regulations. Top off w/ cement if needed. Install P&A marker. RDMO. Restore surface location and submit reports to NMOCD.



**HILCORP ENERGY COMPANY  
HUMBLE N KIRTLAND 1E  
NOTICE OF INTENT TO PERMANENTLY ABANDON**

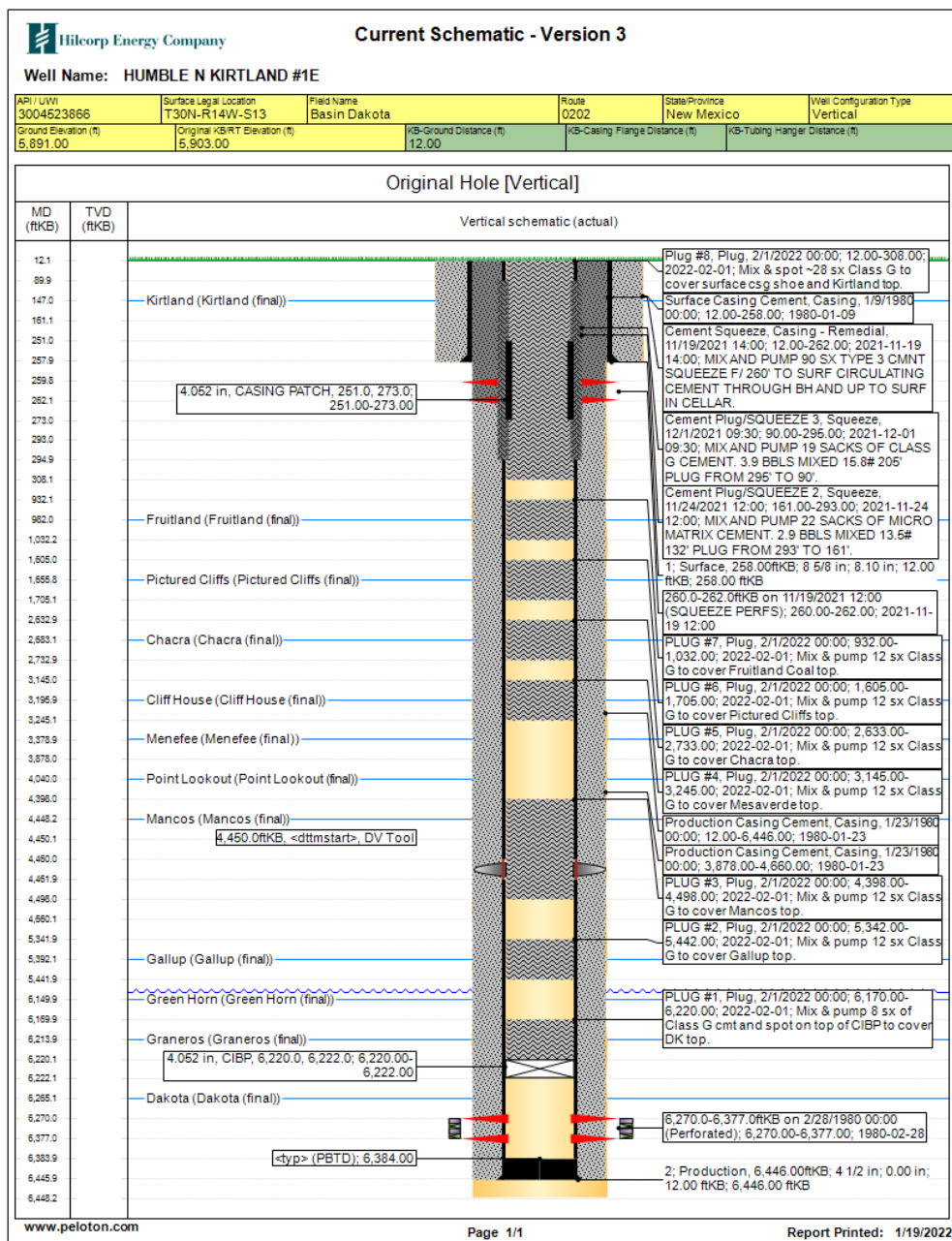
**HUMBLE N KIRTLAND 1E - CURRENT WELLBORE SCHEMATIC**





**HILCORP ENERGY COMPANY  
HUMBLE N KIRTLAND 1E  
NOTICE OF INTENT TO PERMANENTLY ABANDON**

## HUMBLE N KIRTLAND 1E - PROPOSED P&amp;A SCHEMATIC



Hilcorp Energy  
P&A Final Reclamation Plan  
**Humble N Kirtland #1E**  
API: 30-045-23866  
J – Sec.13-T030N-R014W  
Lat: 36.811552, Long: -108.257212  
Footage: 1695' FSL & 1760' FEL  
San Juan County, NM

**1. PRE-RECLAMATION SITE INSPECTION**

- 1.1) A pre-reclamation site inspection was completed by Bob Switzer with the BLM and Chad Perkins construction Foreman for Hilcorp Energy on January 18, 2022.

**2. LOCATION RECLAMATION PROCEDURE**

- 2.1) Reclamation work will begin in the spring of 2022.  
2.2) Remove all production equipment, anchors, and flowlines.  
2.3) Enterprise Products will be responsible for pipeline removal.  
2.4) All trash and debris will be removed within 50' buffer outside of the location disturbance during reclamation.  
2.5) All nonnative aggregate will be scraped up and spread on lease access road.  
2.6) Rip and walk down entire well pad.

**3. ACCESS ROAD RECLAMATION PROCEDURE:**

- 3.1) The lease access road will not be closed and reclaimed; it is lease access for the Butte #1E.

**4. SEEDING PROCEDURE**

- 4.1) A Pinion/Juniper seed mix will be used for all reclaimed and disturbed areas of the location.  
4.2) Drill seeding 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.  
4.3) Timing of the seeding will take place when the ground is not frozen or saturated.

**5. WEED MANAGEMENT**

- 5.1) No action is required at this time for weed management, no noxious weeds were identified during the onsite.



Date: 1/20/2022  
Scale: 1:1,128  
0 0 0.01 0.02 0.02 0.03 mi  
N

## Wells

Gas Well

## Hilcorp Boundaries

Asset Teams

Supervisor Areas, outline

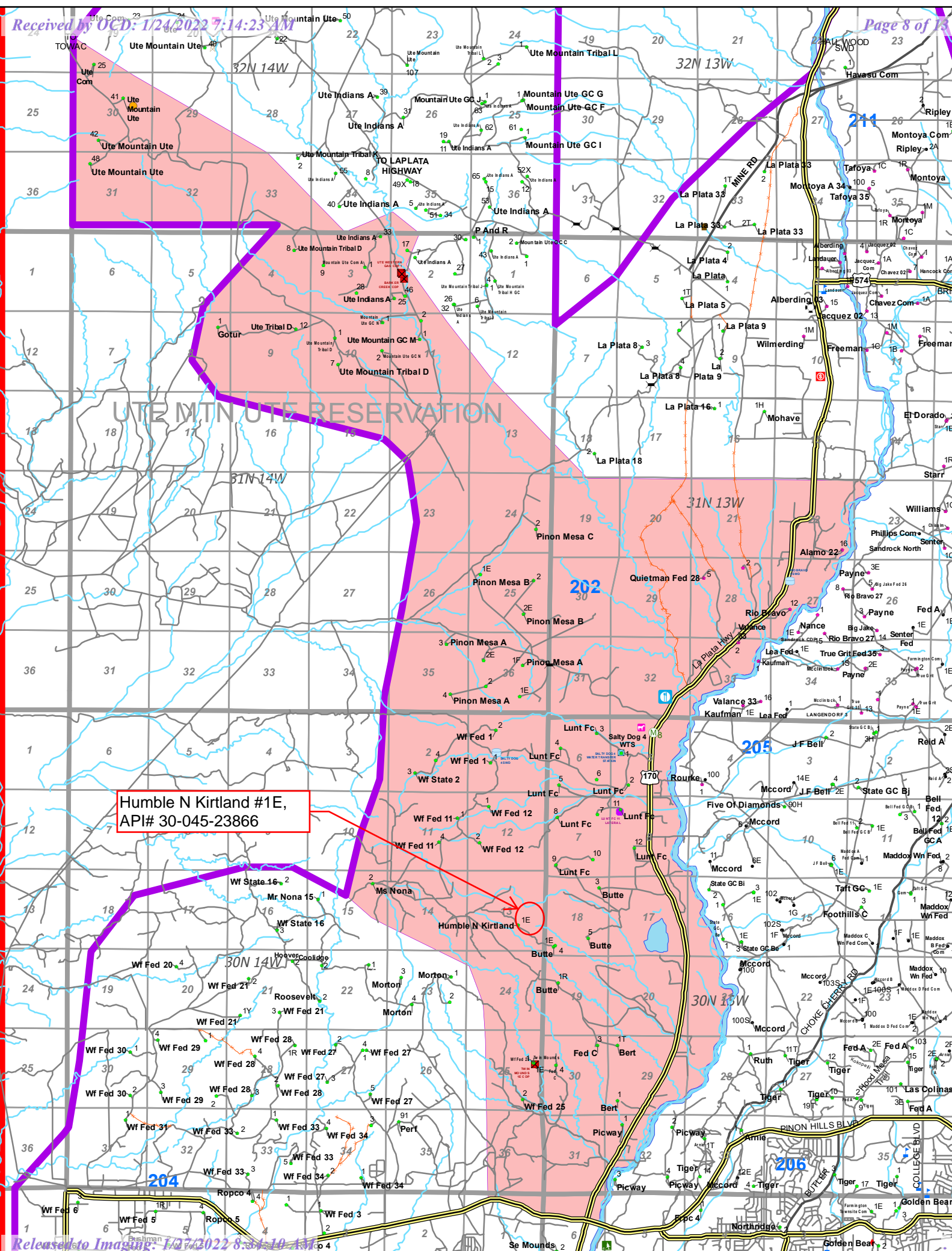
Rip and walk down  
entire well pad.

Lease access road will not be closed and re-  
claimed; it is lease access for the Butte #1E.

HUMBLE N  
KIRTLAND 1E

Nonnative aggregate will be scraped up and  
spread on lease access road.





Humble N Kirtland #1E,  
API# 30-045-23866



**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), 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 2653451

Attachment to notice of Intention to Abandon

Well: Humble N Kirtland 1E

**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) Plug 4 (Cliff House/ Mesaverde): Bring the plug down to 3258 feet.
  - b) Plug 5 (Chacra): Adjust plug, or add a plug, to cover formation top pick at 2425 feet.
  - c) Plug 7 (Fruitland): Adjust plug, or add a plug, to cover formation top pick at 1308 feet.
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 1/24/2022

# BLM FLUID MINERALS P&A Geologic Report

**Date Completed:** 01/21/2022

Well No. Humble N Kirtland #1E (API# 30-045-23866)	Location	1695	FSL	&	1760	FEL
Lease No. NMSF-079070	Sec. 13	T30N			R14W	
Operator Hilcorp Energy Company	County	San Juan		State	New Mexico	
Total Depth 6448'	PBTD 6384'	Formation Dakota				
Elevation (GL) 5891'		Elevation (KB) 5902'				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm					
Nacimiento Fm					Surface/freshwater sands
Ojo Alamo Ss	Surface	147			Aquifer (possible freshwater)
Kirtland Shale	147			1308	
Fruitland Fm			1308	1655	Coal/Gas/Possible water
Pictured Cliffs Ss			1655	1776	Gas
Lewis Shale			1776	2425	
Chacra			2425	3208	Gas
Cliff House Ss			3208	3386	Water/Possible gas
Menefee Fm			3386	4248	Coal/Ss/Water/Possible O&G
Point Lookout Ss			4248	4448	Probable water/Possible O&G
Mancos Shale			4448	5392	
Gallup			5392	6158	O&G/Water
Greenhorn			6158	6214	
Graneros Shale			6214	6265	
Dakota Ss			6265	PBTD	O&G/Water

Remarks:

P & A

Reference Well:

1) **Formation Tops**  
Same

- BLM picks for the Cliff House, Chacra, and Fruitland formation tops vary from Operator's.

- Bring the bottom of Plug #4 (Cliff House/Mesaverde) down to 3258'.

- Adjust Plug #5 (Chacra), or add a plug, to cover BLM formation top pick at 2425'.

- Adjust Plug #7 (Fruitland), or add a plug, to cover BLM formation top pick at 1308'.

- The plugs proposed in the P&A procedure, with recommended changes, will adequately protect any freshwater sands in this well bore.

- Dakota perfs 6270' – 6377'.

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

CONDITIONS  
  
Action 74559

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 74559
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	1/27/2022
kpickford	Adhere to BLM approved COAs and plugs. See GEO report	1/27/2022