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

Sundry Print Report

04/24/2025

Well Name: TURNER HUGHES	**Well Location:** T27N / R9W / SEC 11 / SENE / 36.591827 / -107.751816	**County or Parish/State:** SAN JUAN / NM
Well Number: 16	**Type of Well:** CONVENTIONAL GAS WELL	**Allottee or Tribe Name:**
Lease Number: NMSF079937	**Unit or CA Name:**	**Unit or CA Number:**
US Well Number: 3004511874	**Operator:** HILCORP ENERGY COMPANY	

Notice of Intent

Sundry ID: 2848342

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 04/21/2025

Time Sundry Submitted: 10:33

Date proposed operation will begin: 05/01/2025

Procedure Description: Hilcorp Energy Company requests permission to P&A the subject well per the attached procedure, current and proposed wellbore schematics. The Pre-Disturbance Site Visit was held on 2/26/2025 with Roger Herrera (BLM) and Chad Perkins (HEC). 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

2025_04_17_TURNER_HUGHES_16_P_A_Procedure_NOI_20250421103259.pdf

Well Name: TURNER HUGHES

Well Location: T27N / R9W / SEC 11 / SENE / 36.591827 / -107.751816

County or Parish/State: SAN JUAN / NM

Well Number: 16

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMSF079937

Unit or CA Name:

Unit or CA Number:

US Well Number: 3004511874

Operator: HILCORP ENERGY COMPANY

Conditions of Approval

Additional

Turner_Hughes_No_16_Geo_Rpt_20250422201344.pdf

Authorized

General_Requirement_PxA_20250424090348.pdf

2848342_16_3004511874_NOIA_KR_04242025_20250424090335.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: PRISCILLA SHORTY

Signed on: APR 21, 2025 10:33 AM

Name: HILCORP ENERGY COMPANY

Title: Regulatory Technician

Street Address: 382 ROAD 3100

City: AZTEC **State:** NM

Phone: (505) 324-5188

Email address: PSHORTY@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: 04/24/2025

Signature: Kenneth Rennick

HILCORP ENERGY COMPANY
TURNER HUGHES 16
P&A NOI

API #:	3004511874

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. CIBP already set @ 6,432'. They attempted to test casing/CIBP and found casing leak.
5. Plugs based on CBL run on 2/19/2025
6. PU & TIH w/ work string to **+/- 6,432'**.
7. **PLUG #1: 13sx of Class G Cement (15.8 PPG, 1.15 yield); DK Perfs @ 6,478' | DK Top @ 6,477' | GRN Top @ 6,369':**
   Pump a 13 sack balanced cement plug inside the 4-1/2" casing (est. **TOC @ +/- 6,269'** & est. **BOC @ +/- 6,432'**). Wait on Cement for 4 hours, tag TOC w/ work string. *Note cement plug lengths & volumes account for excess.
8. POOH w/ work string. TIH & perforate squeeze holes @ **+/- 5,592'**. RIH w/ **4-1/2" CICR** and set CICR @ **+/- 5,542'**. TIH w/ work string & sting into CICR. Establish injection.
9. **PLUG #2: 52sx of Class G Cement (15.8 PPG, 1.15 yield); GAL Top @ 5,542':**
   Pump 40sx of cement in the 4-1/2" casing X 7-7/8" open hole annulus (est. **TOC @ +/- 5,392'** & est. **BOC @ +/- 5,592'**). Pump an additional 4sx of cement beneath the 4-1/2" CICR (est. **TOC @ +/- 5,542'** & est. **BOC @ +/- 5,592'**). Sting out of retainer, pump a 8 sack balanced cement plug on top of the CICR. (est. **TOC @ +/- 5,442'** & est. **BOC @ +/- 5,542'**). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess.
10. POOH w/ work string to **+/- 4,585'**.
11. **PLUG #3: 13sx of Class G Cement (15.8 PPG, 1.15 yield); MCS Top @ 4,535' | DV Tool #2 Top @ 4,530':**
    Pump a 13 sack balanced cement plug inside the 4-1/2" casing (est. **TOC @ +/- 4,430'** & est. **BOC @ +/- 4,585'**). *Note cement plug lengths and volumes account for excess.
12. POOH w/ work string. TIH & perforate squeeze holes @ **+/- 3,694'**. RIH w/ **4-1/2" CICR** and set CICR @ **+/- 3,644'**. TIH w/ work string & sting into CICR. Establish injection.
13. **PLUG #4: 52sx of Class G Cement (15.8 PPG, 1.15 yield); MV Top @ 3,644':**
    Pump 40sx of cement in the 4-1/2" casing X 7-7/8" open hole annulus (est. **TOC @ +/- 3,494'** & est. **BOC @ +/- 3,694'**). Pump an additional 4sx of cement beneath the 4-1/2" CICR (est. **TOC @ +/- 3,644'** & est. **BOC @ +/- 3,694'**). Sting out of retainer, pump a 8 sack balanced cement plug on top of the CICR. (est. **TOC @ +/- 3,544'** & est. **BOC @ +/- 3,644'**). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess.
14. POOH w/ work string. TIH & perforate squeeze holes @ **+/- 3,040'**. RIH w/ **4-1/2" CICR** and set CICR @ **+/- 2,990'**. TIH w/ work string & sting into CICR. Establish injection.
15. **PLUG #5: 52sx of Class G Cement (15.8 PPG, 1.15 yield); CHC Top @ 2,990':**
    Pump 40sx of cement in the 4-1/2" casing X 7-7/8" open hole annulus (est. **TOC @ +/- 2,840'** & est. **BOC @ +/- 3,040'**). Pump an additional 4sx of cement beneath the 4-1/2" CICR (est. **TOC @ +/- 2,990'** & est. **BOC @ +/- 3,040'**). Sting out of retainer, pump a 8 sack balanced cement plug on top of the CICR. (est. **TOC @ +/- 2,890'** & est. **BOC @ +/- 2,990'**). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess.
16. POOH w/ work string to **+/- 2,211'**.
17. **PLUG #6: 19sx of Class G Cement (15.8 PPG, 1.15 yield); DV Tool #1 Top @ 2,161' | PC Top @ 2,076':**
    Pump a 19 sack balanced cement plug inside the 4-1/2" casing (est. **TOC @ +/- 1,976'** & est. **BOC @ +/- 2,211'**). *Note cement plug lengths and volumes account for excess.
18. PUH w/ work string. TIH & perforate squeeze holes @ **+/- 1,801'**. Establish injection/circulation.
19. **PLUG #7: 52sx of Class G Cement (15.8 PPG, 1.15 yield); FRD Top @ 1,751':**
    Pump 40sx of cement in the 4-1/2" casing X 7-7/8" open hole annulus (est. **TOC @ +/- 1,601'** & est. **BOC @ +/- 1,801'**). Pump a 12 sack balanced cement plug inside the 4-1/2" casing (est. **TOC @ +/- 1,651'** & est. **BOC @ +/- 1,801'**). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess.
20. PUH w/ work string. TIH & perforate squeeze holes @ **+/- 1,278'**. Establish injection/circulation.
21. **PLUG #8: 91sx of Class G Cement (15.8 PPG, 1.15 yield); KRD Top @ 1,228' | OJO Top @ 1,085':**
    Pump 68sx of cement in the 4-1/2" casing X 7-7/8" open hole annulus (est. **TOC @ +/- 935'** & est. **BOC @ +/- 1,278'**). Pump a 23 sack balanced cement plug inside the 4-1/2" casing (est. **TOC @ +/- 985'** & est. **BOC @ +/- 1,278'**). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess.
22. POOH w/ work string. TIH & perforate squeeze holes @ **+/- 359'**. Establish circulation.

22. **PLUG #9: 105sx of Class G Cement (15.8 PPG, 1.15 yield); Surf. Casing Shoe @ 309':**
Pump 10sx of cement in the 4-1/2" casing X 7-7/8" open hole annulus (est. **TOC @ +/- 309'** & est. **BOC @ +/- 359'**). Continue pumping 67sx of cement in the 4-1/2" casing X 8-5/8" casing annulus (est. **TOC @ +/- 0'** & est. **BOC @ +/- 309'**). Pump a 28 sack balanced cement plug inside the 4-1/2" casing (est. **TOC @ +/- 0'** & est. **BOC @ +/- 359'**). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess.

22. ND BOP, cut off Wellhead. 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

HILCORP ENERGY COMPANY
TURNER HUGHES 16
P&A NOI

TURNER HUGHES 16 - CURRENT WELLBORE SCHEMATIC

Hilcorp Energy Company

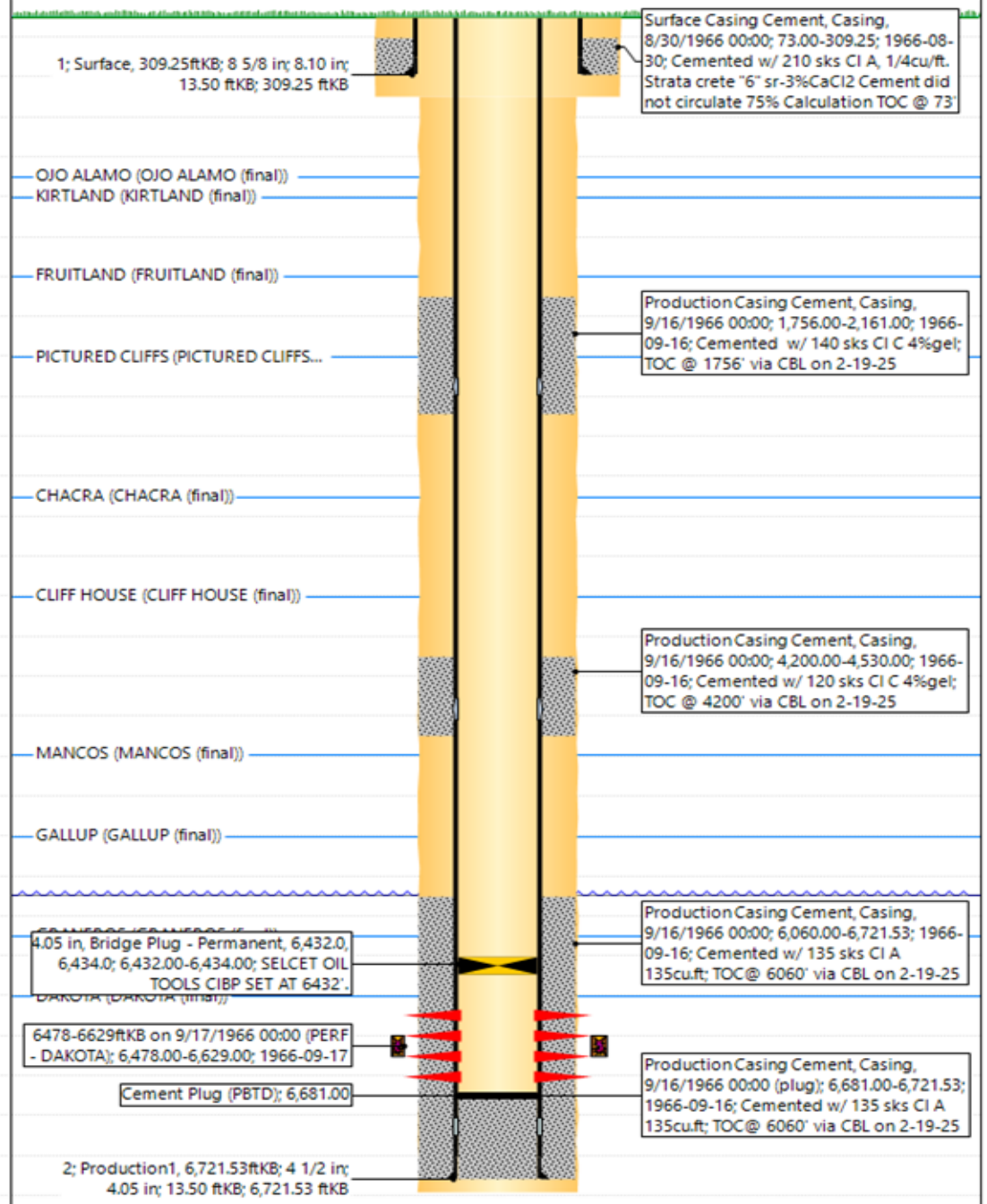
P&A WBD - Current Schematic

Well Name: TURNER HUGHES #16

API / UWI	Surface Legal Location	Field Name	Route	State/Province	Well Configuration Type
3004511874	011-027N-009W-H	BASIN DAKOTA (PRORATED GAS)	0809	NEW MEXICO	
Ground Elevation (ft)	**Original KB/RT Elevation (ft)**	**Tubing Hanger Elevation (ft)**	**RKB to GL (ft)**	**KB-Casing Flange Distance (ft)**	**KB-Tubing Hanger Distance (ft)**
6,008.00	6,021.50		13.50		

Original Hole

MD (ftKB)	Formation Tops	MD
73.2		
309.4		
358.9		
984.9		
	OJO ALAMO	1085
1,228.0	KIRTLAND	1228
1,601.0		
1,751.0	FRUITLAND	1751
1,800.9		
2,076.1	PICTURED...	2076
2,160.1		
2,211.0		
2,890.1		
	CHACRA	2990
2,992.1		
3,494.1		
3,644.0	CLIFF HOUSE	3644
3,693.9		
4,430.1		
4,529.2		
4,535.1	MANCOS	4535
5,392.1		
5,542.0	GALLUP	5542
5,591.9		
6,269.0		
	GRANEROS	6369
6,432.1		
6,477.0	DAKOTA	6477
6,482.0		
6,628.9		
6,686.0		
6,720.8		
6,722.1		



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TURNER HUGHES 16 - PROPOSED WELLBORE SCHEMATIC

Hilcorp Energy Company

P&A WBD - Proposed Schematic

Well Name: TURNER HUGHES #16

API / UWI	Surface Legal Location	Field Name	Route	State/Province	Well Configuration Type
3004511874	011-027N-009W-H	BASIN DAKOTA (PRORATED GAS)	0809	NEW MEXICO	
Ground Elevation (ft)	**Original KB/RT Elevation (ft)**	**Tubing Hanger Elevation (ft)**	**RKB to GL (ft)**	**KB-Casing Flange Distance (ft)**	**KB-Tubing Hanger Distance (ft)**
6,008.00	6,021.50		13.50		

Original Hole

MD (ftKB)	Formation Tops	MD
73.2		
309.4		
358.9		
984.9		
	OJO ALAMO	1085
1,228.0	KIRTLAND	1228
1,601.0		
1,751.0	FRUITLAND	1751
1,800.9		
2,076.1	PICTURED C...	2076
2,160.1		
2,211.0		
2,890.1		
	CHACRA	2990
2,992.1		
3,494.1		
3,644.0	CLIFF HOUSE	3644
3,693.9		
4,430.1		
4,529.2		
4,535.1	MANCOS	4535
5,392.1		
5,542.0	GALLUP	5542
5,591.9		
6,269.0		
	GRANEROS	6369
6,432.1		
6,477.0	DAKOTA	6477
6,482.0		
6,628.9		
6,686.0		
6,720.8		
6,722.1		

Vertical schematic (proposed)

1; Surface, 309.25ftKB; 8 5/8 in; 8.10 in; 13.50 ftKB; 309.25 ftKB

359-359ftKB on 12/31/2025 00:00 (SQUEEZE PERFS); 359.00; 2025-12-31

1278-1278ftKB on 12/31/2025 00:00 (SQUEEZE PERFS); 1,278.00; 2025-12-31

1801-1801ftKB on 12/31/2025 00:00 (SQUEEZE PERFS); 1,801.00; 2025-12-31

4.05 in, CICR, 2,990.0, 2,992.0; 2,990.00-2,992.00

3040-3040ftKB on 12/31/2025 00:00 (SQUEEZE PERFS); 3,040.00; 2025-12-31

4.05 in, CICR, 3,644.0, 3,646.0; 3,644.00-3,646.00

3694-3694ftKB on 12/31/2025 00:00 (SQUEEZE PERFS); 3,694.00; 2025-12-31

4.05 in, CICR, 5,542.0, 5,544.0; 5,542.00-5,544.00

5592-5592ftKB on 12/31/2025 00:00 (SQUEEZE PERFS); 5,592.00; 2025-12-31

4.05 in, Bridge Plug - Permanent, 6,432.0, 6,434.0; 6,432.00-6,434.00; SELCET OIL TOOLS CIBP SET AT 6432'.

6478-6629ftKB on 9/17/1966 00:00 (PERF - DAKOTA); 6,478.00-6,629.00; 1966-09-17

Cement Plug (PBTD); 6,681.00

2; Production1, 6,721.53ftKB; 4 1/2 in; 4.05 in; 13.50 ftKB; 6,721.53 ftKB

PLUG #9b: Surf Csg Shoe, Plug, 12/31/2025 00:00; 13.50-359.00; 2025-12-31; 28sx Class G (1.15 yld)

PLUG #9a: Surf Csg Shoe, Casing, 12/31/2025 00:00; 13.50-359.00; 2025-12-31; 77sx Class G (1.15 yld)

Surface Casing Cement, Casing, 8/30/1966 00:00; 73.00-309.25; 1966-08-30; Cemented w/ 210 sks Cl A, 1/4cu/ft, Strata crete "6" sr-3%CaCl2 Cement did not circulate 75% Calculation TOC @ 73'

PLUG #8b: KRD, OJO, Plug, 12/31/2025 00:00; 985.00-1,278.00; 2025-12-31; 23sx Class G (1.15 yld)

PLUG #8a: KRD, OJO, Casing, 12/31/2025 00:00; 935.00-1,278.00; 2025-12-31; 68sx Class G (1.15 yld)

PLUG #7b: FRD, Plug, 12/31/2025 00:00; 1,651.00-1,801.00; 2025-12-31; 12sx Class G (1.15 yld)

PLUG #7a: FRD, Casing, 12/31/2025 00:00; 1,601.00-1,801.00; 2025-12-31; 40sx Class G (1.15 yld)

Production Casing Cement, Casing, 9/16/1966 00:00; 1,756.00-2,161.00; 1966-09-16; Cemented w/ 140 sks Cl C 4%gel; TOC @ 1756' via CBL on 2-19-25

PLUG #6: DV Tool 1, PC, Plug, 12/31/2025 00:00; 1,976.00-2,211.00; 2025-12-31; 19sx Class G (1.15 yld)

PLUG #5b: CHC, Plug, 12/31/2025 00:00; 2,890.00-3,040.00; 2025-12-31; 12sx Class G (1.15 yld); 4sx below/8sx above CICR

PLUG #5a: CHC, Casing, 12/31/2025 00:00; 2,840.00-3,040.00; 2025-12-31; 40sx Class G (1.15 yld)

PLUG #4b: MV, Plug, 12/31/2025 00:00; 3,544.00-3,694.00; 2025-12-31; 12sx Class G (1.15 yld); 4sx below/8sx above CICR

PLUG #4a: MV, Casing, 12/31/2025 00:00; 3,494.00-3,694.00; 2025-12-31; 40sx Class G (1.15 yld)

Production Casing Cement, Casing, 9/16/1966 00:00; 4,200.00-4,530.00; 1966-09-16; Cemented w/ 120 sks Cl C 4%gel; TOC @ 4200' via CBL on 2-19-25

PLUG #3: MCS, DV Tool 2, Plug, 12/31/2025 00:00; 4,430.00-4,585.00; 2025-12-31; 13sx Class G (1.15 yld)

PLUG #2b: GAL, Plug, 12/31/2025 00:00; 5,442.00-5,592.00; 2025-12-31; 12sx Class G (1.15 yld); 4sx below/8sx above CICR

PLUG #2a: GAL, Casing, 12/31/2025 00:00; 5,392.00-5,592.00; 2025-12-31; 40sx Class G (1.15 yld)

PLUG #1: DK Perfs, DK, GRN, Plug, 12/31/2025 00:00; 6,269.00-6,432.00; 2025-12-31; 13sx Class G (1.15 yld)

Production Casing Cement, Casing, 9/16/1966 00:00; 6,060.00-6,721.53; 1966-09-16; Cemented w/ 135 sks Cl A 135cu.ft; TOC@ 6060' via CBL on 2-19-25

Production Casing Cement, Casing, 9/16/1966 00:00 (plug); 6,681.00-6,721.53; 1966-09-16; Cemented w/ 135 sks Cl A 135cu.ft; TOC@ 6060' via CBL on 2-19-25

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Hilcorp Energy
P&A Final Reclamation Plan
Turner Hughes # 16
API: 30-045-11874
Lease Number, NMSF079937
Sec.11-T027N-R09W-Unit H
Lat: 36.59183, Long: -107.75182
Footage: 1840' FNL & 1050' FEL
San Juan County, NM

1. PRE-RECLAMATION SITE INSPECTION

1.1) A pre-reclamation site inspection was completed by Hilcorp Energy and representatives from government agencies on Wednesday February 26, 2025:

- Roger Herrera with the BLM
- Chad Perkins with Hilcorp Energy

2. SAMPLING, POST EQUIPMENT REMOVAL:

2.1) Hilcorp will conduct the below-grade tank (BGT) removal in New Mexico in accordance with the following:

1. Submit a 72-hour notice to the NMOCD prior to removal of the BGT. If the BGT is located on BLM surface, the appropriate BLM contact(s) will be copied on all correspondence related to this matter.
2. All sampling will be handled in accordance with the site-specific Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application and 19.15.17.13 NMAC.
3. In the event that any analyte exceeds the Closure Criteria for Soils Beneath Below-Grade Tanks listed in Table I of 19.15.17.13 NMAC, Hilcorp will determine if the impacted soils are at or less than 12 yards total. If this NMOCD-approved action can be achieved, Hilcorp will close the BGT out in accordance with 19.15.17.13 NMAC.
4. If the amount of impacted soils exceeds 12 yards, Hilcorp will conduct all further delineation and closure activities in accordance with 19.15.29 NMAC. This will involve the submittal of an initial C-141 within 15 days of this discovery.

3. LOCATION RECLAMATION PROCEDURE

3.1) Final reclamation work will be completed after the well is Plugged.
3.2) All production equipment, anchors, and flow lines will be striped and removed.
3.3) A pipeline strip request will be sent to Enterprise Product after the well is plugged.
3.4) Enterprise Products will be responsible for pipeline removal and or abandonment. If they determine to abandon the pipeline it needs to be abandon 50’ from the well pad.
3.5) All nonnative aggregate will be scraped up and placed on the main lease access road prior to re-contouring.
3.6) The cathodic ground bed and rectifier will be left in place since it services other well sites. The cathodic protection services the Turner Hughes #13 & #10.
3.7) Strip topsoil, stockpile, and distribute across pad after contour work completed.

3.8) Push berm along northwestern side of the well pad onto the well pad contour and re-contour with shallow swales and or silt traps for major drainage to create a rolling terrain that matches natural topography drainage features to limit erosion.
3.9) Rip compacted soil and walk down all disturbed portion of well pad.
3.10) All trash and debris will be removed within 50' buffer outside of the location disturbance during reclamation.

4. ACCESS ROAD RECLAMATION PROCEDURE:

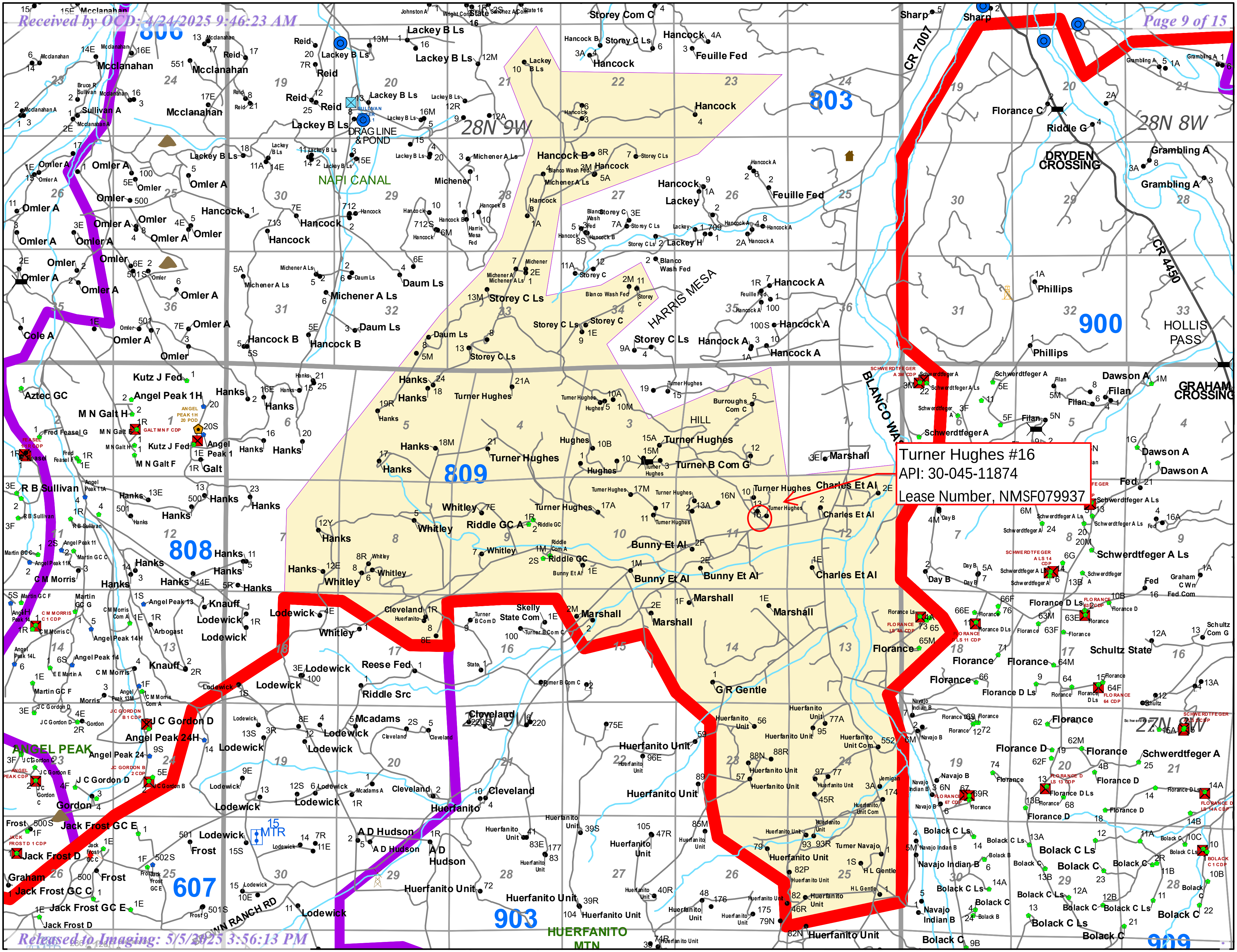
4.1) The main lease access road is approximately ~70 feet long.
4.2) Rip and re-contour ~70 feet of lease access road up to main road with shallow swells, berms, and or silt traps as needed to match natural topography drainage features.
4.3) Barricade lease access road entry way with berms to prevent traffic on the reclamation.
4.4) All trash and debris will be removed within 50' buffer outside of the road disturbance during reclamation.

5. SEEDING PROCDURE

5.1) A Pinion/Juniper seed mix will be used for all reclaimed and disturbed areas of the well pad.
5.2) 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.
5.3) Timing of the seeding will take place when the ground is not frozen or saturated.

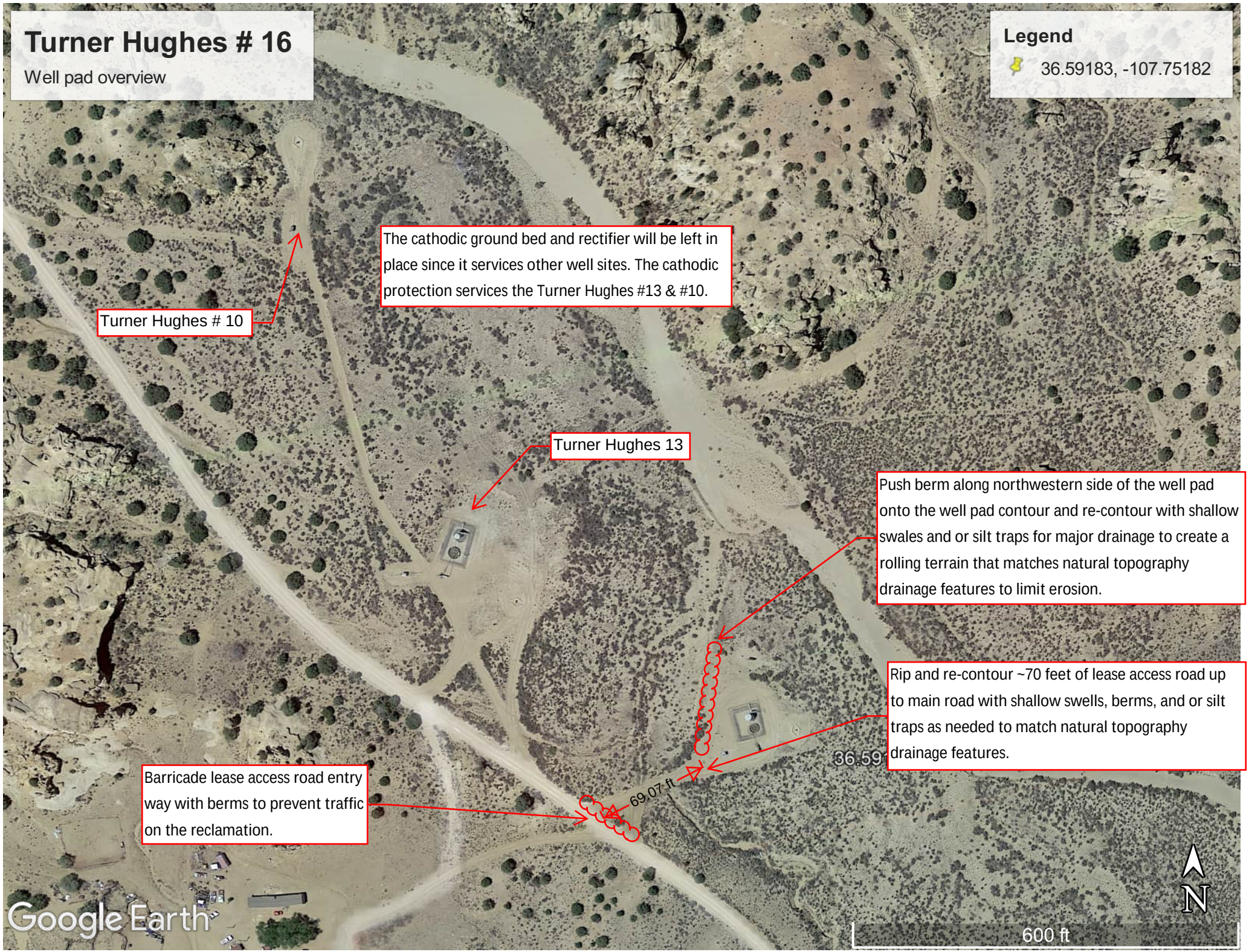
6. WEED MANAGEMENT

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



Created by: Max Molello on 1/20/2025

Area 8 Run 809


Turner Hughes # 16
Well pad overview
Legend
36.59183, -107.75182
The cathodic ground bed and rectifier will be left in place since it services other well sites. The cathodic protection services the Turner Hughes #13 & #10.
Turner Hughes # 10
Turner Hughes 13
Push berm along northwestern side of the well pad onto the well pad contour and re-contour with shallow swales and or silt traps for major drainage to create a rolling terrain that matches natural topography drainage features to limit erosion.
Rip and re-contour ~70 feet of lease access road up to main road with shallow swells, berms, and or silt traps as needed to match natural topography drainage features.
36.59
69.07 ft
Barricade lease access road entry way with berms to prevent traffic on the reclamation.
Google Earth
N
600 ft

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Farmington District Office
6251 College Boulevard, Suite A
Farmington, New Mexico 87402
http://www.blm.gov/nm

CONDITIONS OF APPROVAL

April 24, 2025

Notice of Intent – Plug and Abandonment

Operator: Hilcorp Energy Company
Lease: NMSF079937

Well(s): Turner Hughes 16, US Well # 30-045-11874
Location: SENE Sec 11 T27N R9W (San Juan County, NM)
Sundry Notice ID #: 2848342

The Notice of Intent to Plug and Abandon is accepted with the following Conditions of Approval (COA):

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

2. The following modification to your plugging program is to be made:
   a. Modify Plug 8 to account for the BLM geologist's pick for the Ojo Alamo at 985'. Move the outside plug TOC to 835' and the inside TOC to 885'.

3. **Notification:** 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 4/24/2025

BLM - FFO - Geologic Report

Date Completed 4/22/2025

Well No.	Turner Hughes No. 16			Surf. Loc.	1840	FNL	1050	FEL
Lease No.	NMSF079937				Sec	11	T27N	R9W
Operator	Hilcorp Energy Co.			County	San Juan		State	New Mexico
TVD	6722	PBTD	6681	Formation	Blanco Mesa Verde/Basin Dakota			
Elevation	GL	6008		Elevation	Est. KB	6008		

Geologic Formations	Est. tops	Subsea Elev.	Remarks
Nacimiento Fm.	Surface		Surface /fresh water sands
Ojo Alamo Ss	985	5023	Fresh water aquifer
Kirtland Fm.	1228	4780	
Fruitland Fm.	1751	4257	Coal/gas/possible water
Pictured Cliffs	2076	3932	Possible gas/water
Lewis Shale (Main)	2150	3858	Source rock
DV Tool	2161	3847	
Huerfanito Bentonite	2265	3743	Reference bed
Chacra (Lower)	2990	3018	Possible gas/water
Cliff House Ss	3644	2364	Possible gas/water
Menefee Fm.	3715	2293	Coal/water/possible gas
Point Lookout Fm.	4370	1638	Possible gas/water
DV Tool	4530	1478	
Mancos Shale	4535	1473	Source rock
Gallup	5542	466	Oil & gas
Juana Lopez	5882	126	
Brdge Crk/Grnhrn	6250	-242	
Graneros Shale	6369	-361	
Dakota Ss	6477	-469	Possible gas/water

Remarks:

-Vertical wellbore, all formation depths are TVD from KB at the wellhead.

- Modify Plug 8 to account for the BLM geologist's pick for the Ojo Alamo. Move the outside plug TOC to 835' and the inside TOC to 885'.

Reference Well:

Hilcorp Energy Co.

Same

Prepared by: Walter Gage

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), 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.

Sante Fe Main Office
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General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 455252

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 455252
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	NMOCD agrees with BLM on formation tops except Graneros = 6313 - adjust Graneros plug - Notify NMOCD 24 hours prior to moving on - monitor string pressures daily report on subsequent - submit all logs prior to subsequent	5/5/2025