

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

Well Name: LITTLE STINKER	Well Location: T30N / R12W / SEC 11 / SENE / 36.828607 / -108.060794	County or Parish/State: SAN JUAN / NM
Well Number: 1M	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF081239	Unit or CA Name: BASIN DAKOTA	Unit or CA Number: NMNM104870
US Well Number: 3004530754	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2697392

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 10/11/2022

Time Sundry Submitted: 07:39

Date proposed operation will begin: 11/01/2022

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 9/29/2022 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

PA_NOI_Little_Stinker_1M_20221011073849.pdf

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Allottee or Tribe Name:

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Unit or CA Name: BASIN DAKOTA

Unit or CA Number: NMNM104870

US Well Number: 3004530754

Well Status: Producing Gas Well

Operator: HILCORP ENERGY COMPANY

Conditions of Approval

Additional

30N12W11HKmv_Little_Stinker_001M_20221013153431.pdf

Authorized

2697392_NOIA_1M_3004530754_KR_10182022_20221018083734.pdf

General_Requirement_PxA_20221018082802.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: AMANDA WALKER

Signed on: OCT 11, 2022 07:39 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 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: 10/18/2022

Signature: Kenneth Rennick



HILCORP ENERGY COMPANY
LITTLE STINKER 1M
NOTICE OF INTENT TO PERMANENTLY ABANDON

API #:

3004530754

JOB PROCEDURES

NMOCD **Contact OCD and BLM (where applicable) 24 hrs prior to MIRU. Comply with all NMOCD, BLM (where applicable), and HEC**
 BLM **safety and environmental regulations.**

1. MIRU service rig and associated equipment, record all pressures on wellbore.
2. Load well, ND tree, NU BOPs and test. RIH w/ 2-3/8" work string, tag CIBP in place @ 4,431'.
3. **Plug #1 | 4,281' - 4,431' (CIBP @ 4,431' | MV Top Perf: 4,481')** Spot 150' Class III (10sx, 1.37 yield) cmt on CIBP @ 4,431'. WOC.
4. Tag TOC above 4,281'. Pick up work string to 3,808'.
5. **Plug #2 | 3,658' - 3,808' (Cliff House Top @ 3,758')** Spot 150' Class III (10sx, 1.37 yield) cmt inside 4-1/2" from 3,658' - 3,808'. WOC.
6. Tag TOC above 3,658'. Pick up work string to 3,275'.
7. **Plug #3 | 3,125' - 3,275' (Chacra Top @ 3,225')** Spot 150' Class III (10sx, 1.37 yield) cmt inside 4-1/2" from 3,125' - 3,275'. WOC.
8. Tag TOC above 3,125'. POOH w/ work string. RIH w/ CICR on pipe, set @ 2,160'. Pressure test 4-1/2" against CICR to 560psi for 30min.
9. **Plug #4 | 2,078' - 2,230' (Pictured Cliffs Top @ 2,178')** Sting into CICR, pump 70' Class III (5sx, 1.37 yield) below retainer. Sting out, spot 100' Class III (6.7sx) cmt to cover the Pictured Cliffs Top.
10. Pick up work string to 1670'.
11. **Plug #5 | 1,520' - 1,670' (Fruitland Top @ 1,620')** Spot 150' Class III (10sx, 1.37 yield) cmt inside 4-1/2" from 1,520' - 1,670'.
12. Pick up work string to 843'.
13. **Plug #6 | 693' - 843' (Kirtland Top @ 793')** Spot 150' Class III (10sx, 1.37 yield) cmt inside 4-1/2" from 693' - 843'.
14. Pick up work string to 422'.
15. **Plug #7 | 12' - 422' (Surface Shoe @ 372')** Pump 422' Class III (27sx, 1.37 yield) cmt inside 4-1/2" from 422' to surface.
16. LD tubing, top off cmt at surface to fill pipe displacement. Cut off wellhead below surface casing flange as per NMOCD. Weld new P&A maker.



HILCORP ENERGY COMPANY LITTLE STINKER 1M NOTICE OF INTENT TO PERMANENTLY ABANDON

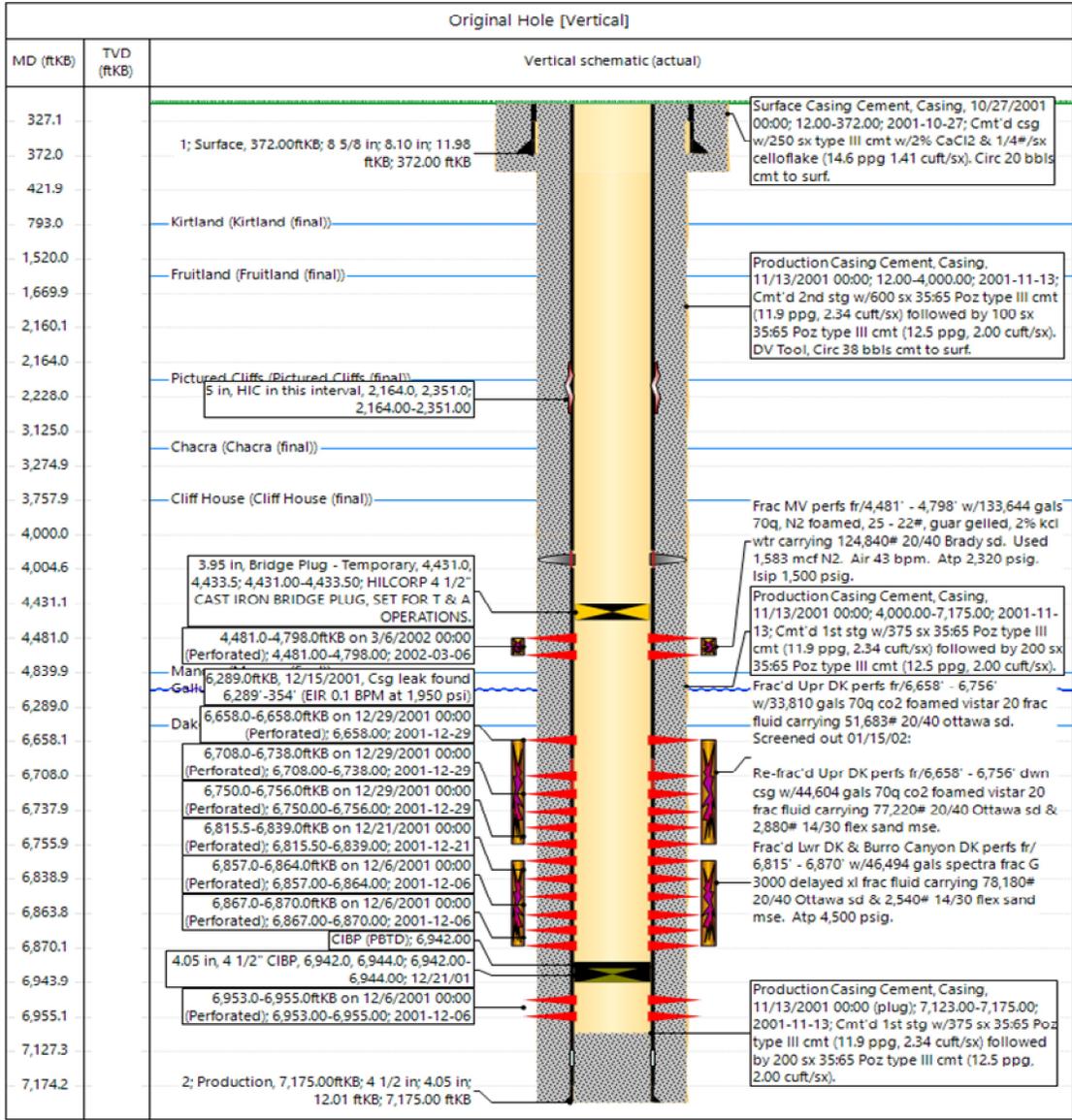
LITTLE STINKER 1M - CURRENT WELLBORE SCHEMATIC



Current Schematic - Completion Comments

Well Name: LITTLE STINKER #1M

API / UWI 3004530754	Surface Legal Location T30N-R12W-S11	Field Name Basin Dakota	Route 0208	State/Province New Mexico	Well Configuration Type Vertical
Ground Elevation (ft) 5,833.00	Original KBRT Elevation (ft) 5,845.00	KB-Ground Distance (ft) 12.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	



www.peloton.com

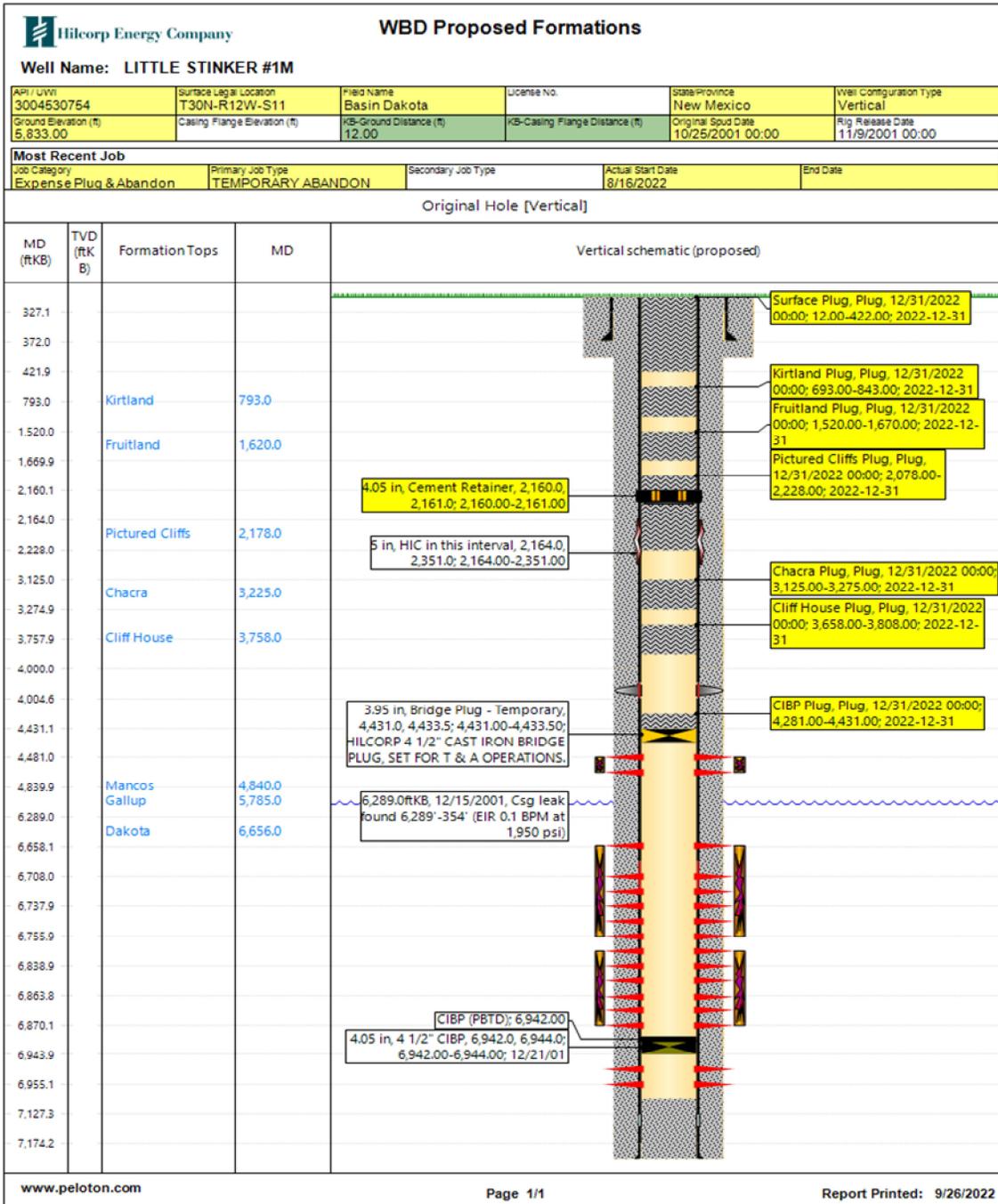
Page 1/1

Report Printed: 9/26/2022



HILCORP ENERGY COMPANY
LITTLE STINKER 1M
NOTICE OF INTENT TO PERMANENTLY ABANDON

LITTLE STINKER 1M - PROPOSED P&A SCHEMATIC



Hilcorp Energy
P&A Final Reclamation Plan
Little Stinker #1M
API: 30-045-30754
H – Sec.11-T030N-R012W
Lat: 36.82858, Long: -108.060146
Footage: 1975' FNL & 660' FWL
San Juan County, NM

1. PRE-RECLAMATION SITE INSPECTION

1.1) A pre-reclamation on-site inspection was completed by Roger Herrera with the BLM and Chad Perkins construction Foreman for Hilcorp Energy on September 29, 2022.

2. LOCATION RECLAMATION PROCEDURE

2.1) Final reclamation work will be completed after the well is Plugged.

2.2) 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.

2.3) All production equipment, rig anchors, and flowlines will be removed.

2.4) Enterprise Products will be responsible for pipeline removal.

2.5) All nonnative aggregate will be scraped up and placed on the main lease road leading to the Little Stinker #1M.

2.6) Push fill into cut slope 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.

2.7) Rip compacted soil and walk down disturbed portion of well pad.

2.8) All trash and debris will be removed within 50' buffer outside of the location disturbance during reclamation.

3. ACCESS ROAD RECLAMATION PROCEDURE:

3.1) The main lease access road is approximately ~200 feet long.

3.2) No culverts were identified on the lease access road during the on-site inspection.

3.3) Rip and re-contour lease road with shallow swales and or silt traps for major drainage to create a rolling terrain that matches natural topography drainage features to limit erosion.

3.4) All trash and debris will be removed within 50' buffer outside of the road disturbance during reclamation.

4. SEEDING PROCEDURE

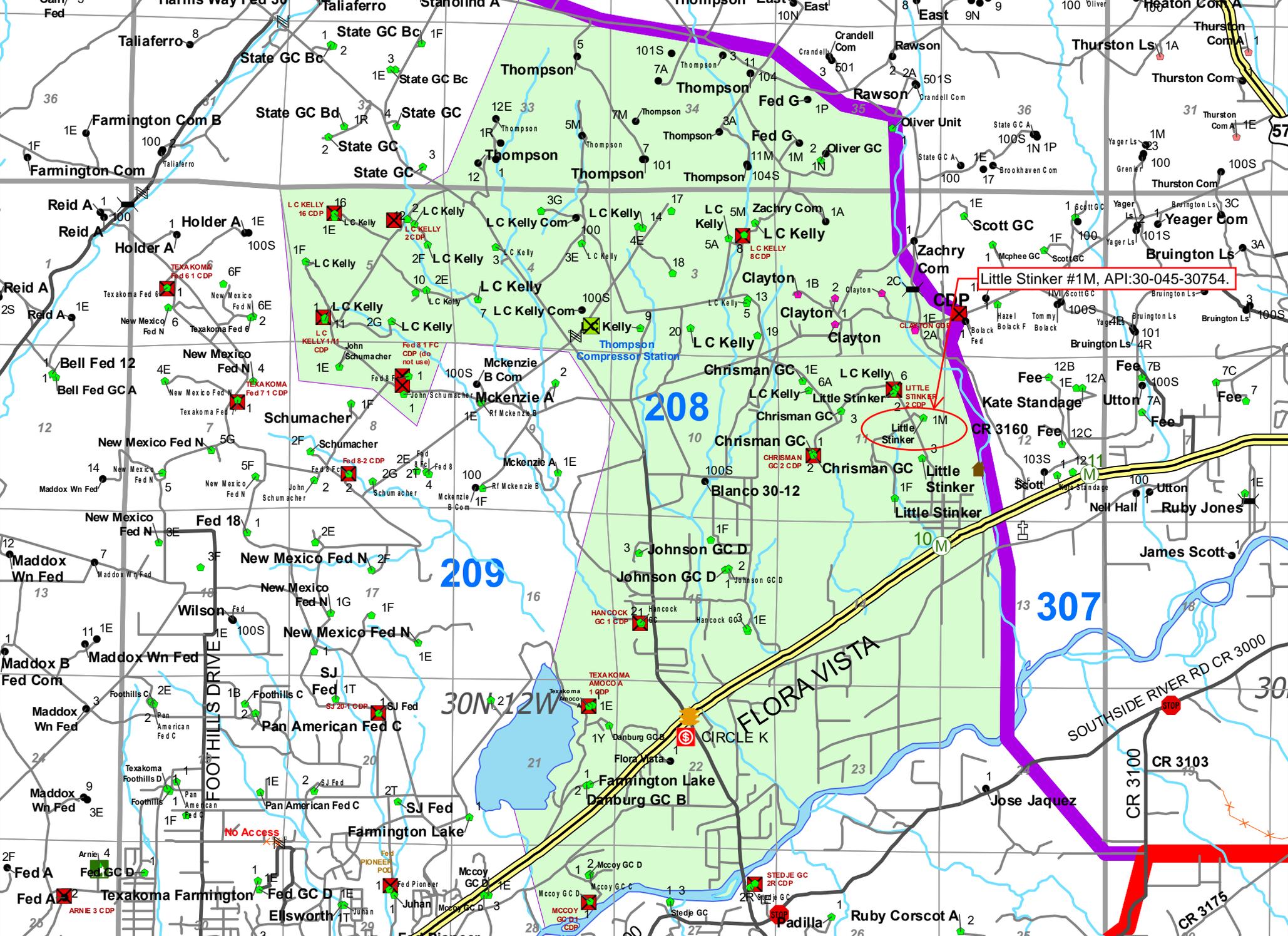
4.1) A Pinion/Juniper seed mix will be used for all reclaimed and disturbed areas of the location and lease road.

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.



Little Stinker #1M

Write a description for your map.

Legend

 36.82858, -108.060146

The main lease access road is approximately ~200 feet long. Rip and re-contour lease road with shallow swales and or silt traps for major drainage to create a rolling terrain that matches natural topography drainage features to limit erosion.

Push fill into cut slope 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.

 36.82858, -108.060146



**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 2697392

Attachment to notice of Intention to Abandon

Well: Little Stinker 1M

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. No cement was placed on top of the CIBP at 6942' when it was set in 2001. Recommend drilling out TA CIBP at 4431' so that a minimum of 50' of cement can be pumped on top of CIBP at 6942' to meet abandonment requirements.
 - b. Add a plug to cover the Dakota formation top at 6656'.
 - c. Add a plug to cover the Gallup formation top at 5785'.
 - d. Add a plug to cover the Mancos formation top at 4840'.
 - e. Lengthen the proposed plug for the Kirtland formation top to cover the entire interval from 565' – 843' to cover the Kirtland top and the entire Ojo Alamo formation.
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 10/18/2022

BLM FLUID MINERALS P&A Geologic Report

Date Completed: 10/13/2022

Well No. Little Stinker #001M (API# 30-045-30754)	Location	1975	FNL	&	660	FEL
Lease No. NMSF081239	Sec. 11	T30N			R12W	
Operator Hilcorp Energy Company	County	San Juan		State	New Mexico	
Total Depth 7175'	PBTD 4431'/6942'	Formation Mesaverde				
Elevation (GL) 5833'		Elevation (KB) 5845'				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose					
Nacimiento			Surface	665	Surface/possible freshwater sands
Ojo Alamo Ss			665	793	Aquifer (possible freshwater)
Kirtland Shale			793	1620	Possible gas
Fruitland			1620	2178	Coal/Gas/Water
Pictured Cliffs Ss			2178	2260	Probable Gas
Lewis Shale			2260	3225	
Chacra			3225	3758	Possible Gas
Cliff House Ss			3758		Water/gas
Menefee					Coal/Ss/Water/gas
Point Lookout Ss				4840	Gas
Mancos Shale			4840	5785	Probable O&G
Gallup			5785	6543	Probable O&G
Greenhorn			6543	6600	
Graneros Shale			6600	6656	Probable O&G
Dakota Ss			6656	PBTD	O&G/water
Morrison					

Remarks:

P & A

- Formation tops estimated using well records and logs from Reference Well #1.
- No cement was placed on top of the CIBP at 6942' when it was set in 2001. Recommend drilling out TA CIBP at 4431' so that a minimum of 50' of cement can be pumped on top of CIBP at 6942' to meet abandonment requirements.
- Add a plug to cover the Dakota formation top at 6656'.
- Add a plug to cover the Gallup formation top at 5785'.
- Add a plug to cover the Mancos formation top at 4840'.
- Lengthen the proposed plug for the Kirtland formation top to cover the entire interval from 565' – 843' to cover the Kirtland top and the entire Ojo Alamo formation.
- Mesaverde perms 4481' – 4798'.
- Dakota perms 6658' – 6870'.

Reference Well:

1) **Formation Tops**
XTO Energy, Inc.
Little Stinker #001
1560' FSL, 1850' FEL
Sec. 11, T30N, R12W
5824' KB elev.

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 151659

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 151659
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	10/20/2022
kpickford	Adhere to BLM approved COAs and plugs. See BLM COAs and GEO report.	10/20/2022