

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

Well Name: HANCOCK A	Well Location: T28N / R9W / SEC 35 / SENE / 36.620789 / -107.751251	County or Parish/State: SAN JUAN / NM
Well Number: 5	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM04209	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004520820	Well Status: Gas Well Shut In	Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2779588

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 03/14/2024

Time Sundry Submitted: 12:25

Date proposed operation will begin: 04/01/2024

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 3/6/2024 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

2024_03_14___HANCOCK_A_5___P_A_NOI_20240314122509.pdf

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Operator: HILCORP ENERGY COMPANY

Conditions of Approval

Specialist Review

Hancock_A_No_5_Geo_Rpt_20240313105326_20240314132041.pdf

2779588_NOIA_A_5_3004520820_KR_03142024_20240314132041.pdf

General_Requirement_PxA_20240314132025.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: MAR 14, 2024 12:25 PM

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: 03/14/2024

Signature: Kenneth Rennick



HILCORP ENERGY COMPANY
HANCOCK A 5
P&A NOI

API #: 3004520820

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. TOOH w/ 1-1/4" coiled tubing.
5. Set a 2-7/8" CIBP or CICR at +/- 2,256' to isolate the PC Perfs.
6. Load the well as needed. Pressure test the casing above the plug set @ 2,256' to 560 psig.
7. RU Wireline. Run CBL. Record Top of Cement. All subsequent plugs below are subject to change pending CBL results.
8. PU & TIH w/ tubing/work string to +/- 2,256'.
9. **PLUG #1: 10sx of Class G Cement (15.8 PPG, 1.15 yield); PC Perfs @ 2,306' | FRD Top @ 2,003':**
 Pump an 10 sack balanced cement plug inside the 2-7/8" casing (est. **TOC @ +/- 1,903'** & est. **BOC @ +/- 2,256'**).
10. TOOH w/ tubing/work string. TIH & perforate squeeze holes @ +/- 1,509'. RIH w/ 2-7/8" CICR and set CICR @ +/- 1,459'. TIH w/ work string & sting into CICR. Establish injection.
11. **PLUG #2: 70sx of Class G Cement (15.8 PPG, 1.15 yield); KRD Top @ 1,459' | OJO Top @ 1,319':**
 Pump 61sx of cement in the 2-7/8" casing X 6-3/4" open hole annulus (est. **TOC @ +/- 1,169'** & est. **BOC @ +/- 1,509'**). Pump an additional 2sx of cement beneath the 2-7/8" CICR (est. **TOC @ +/- 1,459'** & est. **BOC @ +/- 1,509'**). Sting out of retainer, pump a 7 sack balanced cement plug on top of the CICR. (est. **TOC @ +/- 1,219'** & est. **BOC @ +/- 1,459'**). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess.
12. TOOH w/ tubing/work string. TIH & perforate squeeze holes @ +/- 698'. Establish circulation.
13. **PLUG #3: 158sx of Class G Cement (15.8 PPG, 1.15 yield); NAC Top @ 648' | Surf. Casing Shoe @ 142':**
 Pump 99sx of cement in the 2-7/8" casing X 6-3/4" open hole annulus (est. **TOC @ +/- 142'** & est. **BOC @ +/- 698'**). Continue pumping 39sx of cement in the 2-7/8" casing X 8-5/8" casing annulus (est. **TOC @ +/- 0'** & est. **BOC @ +/- 142'**). Pump an 20 sack balanced cement plug inside the 2-7/8" casing (est. **TOC @ +/- 0'** & est. **BOC @ +/- 698'**). WOC for 4 hrs, tag TOC w/ work string.
14. ND BOP, cut off casing below casing flange. 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 ENERGY COMPANY
HANCOCK A 5
P&A NOI

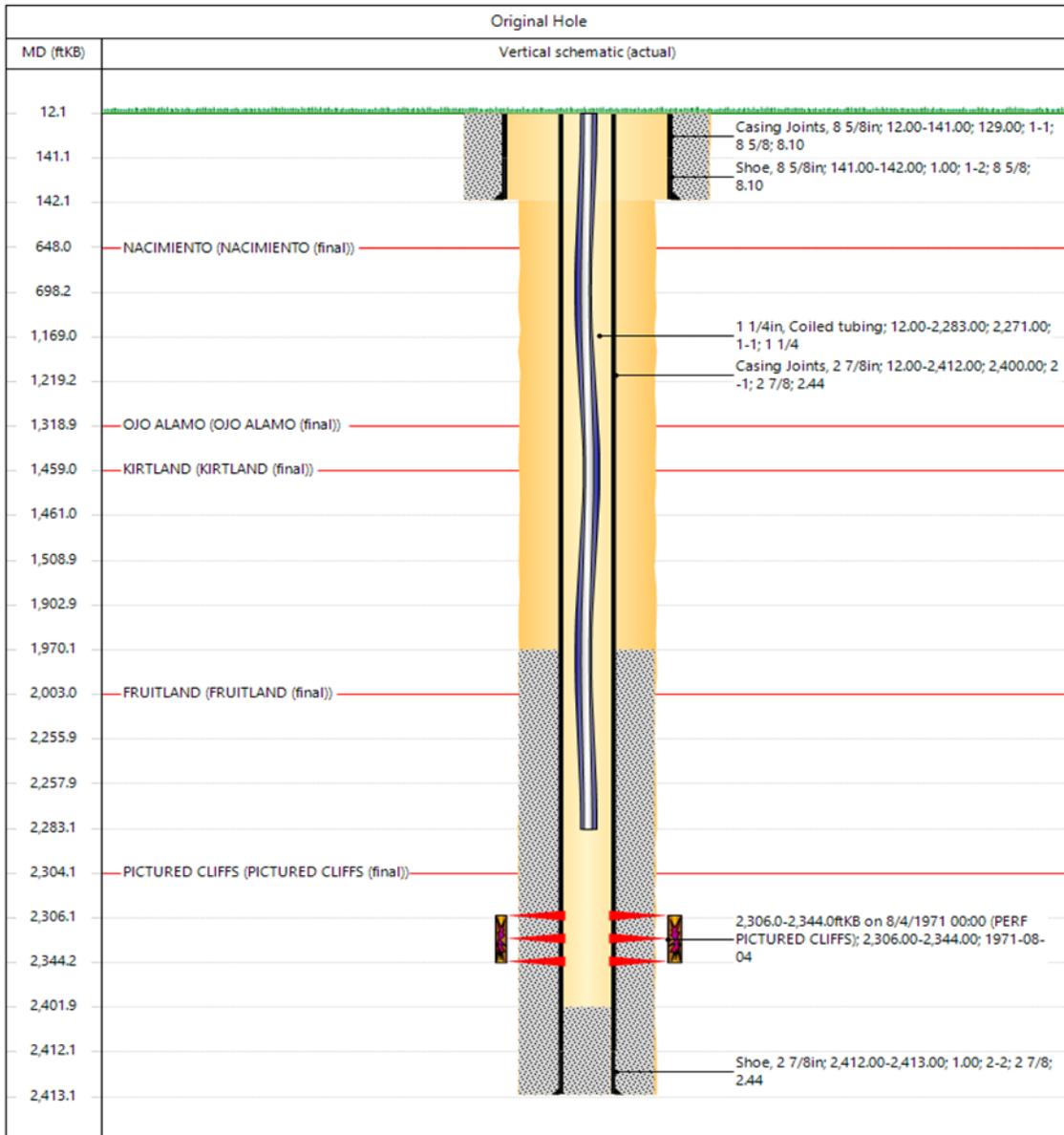
HANCOCK A 5 - CURRENT WELLBORE SCHEMATIC



WBD - Current P&A

Well Name: **HANCOCK A #5**

API / UWI 3004520820	Surface Legal Location 035-028N-009W-H	Field Name BLANCO P.C. SOUTH (GAS)	Route 0803	State/Province NEW MEXICO	Well Configuration Type
Ground Elevation (ft) 6,118.00	Original KBRT Elevation (ft) 6,130.00	R/B to GL (ft) 12.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	





**HILCORP ENERGY COMPANY
HANCOCK A 5
P&A NOI**

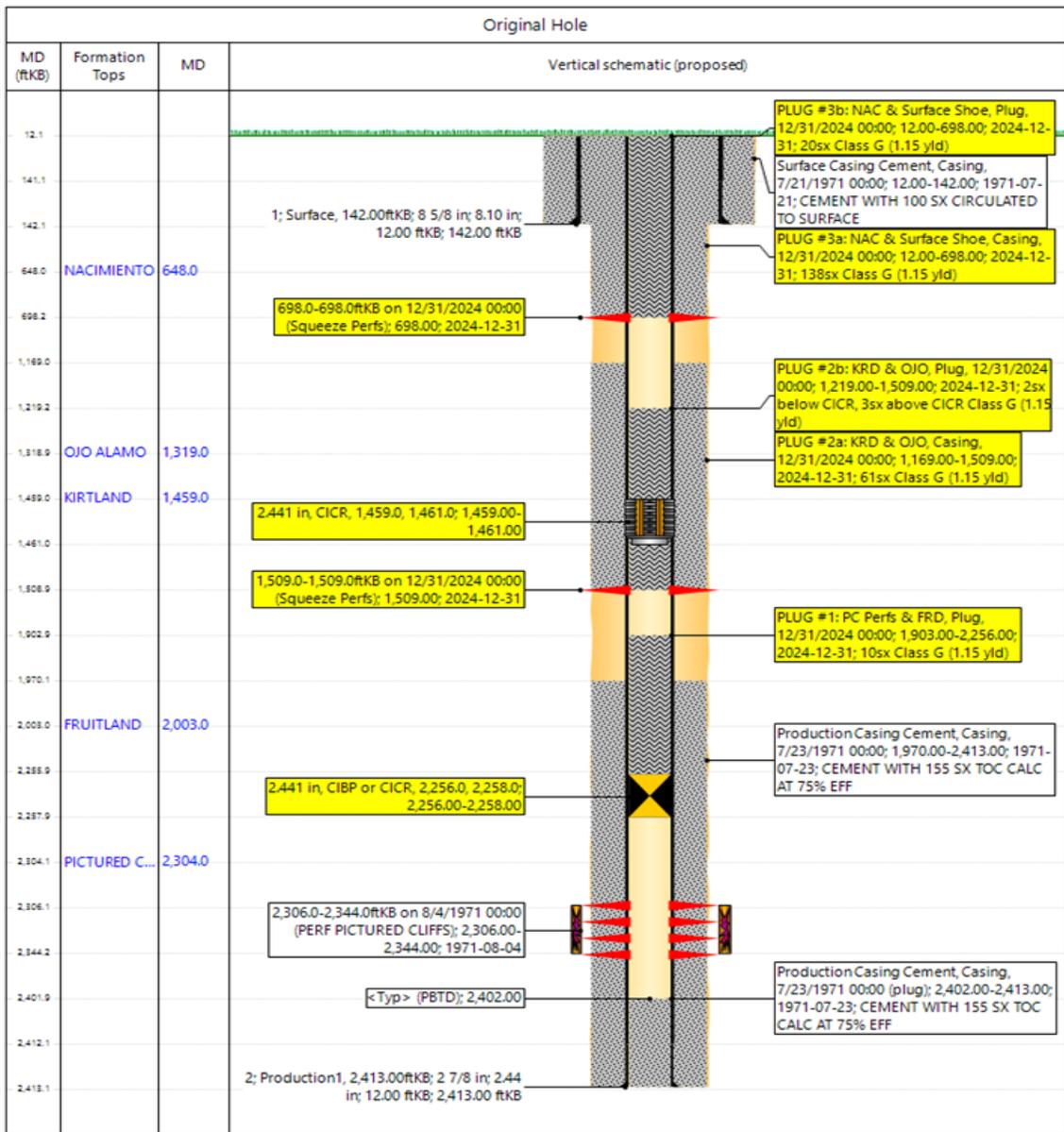
HANCOCK A 5 - PROPOSED WELLBORE SCHEMATIC



P&A WBD - Proposed Schematic

Well Name: **HANCOCK A #5**

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Hilcorp Energy
P&A Final Reclamation Plan
Hancock A 5
API: 30-045-20820
T28N-R9W-Sec. 35-Unit H
LAT: 36.62079 LONG: -107.75125 NAD 27
Footage: 1,820 FNL & 810' FEL
San Juan County, NM

1. PRE- RECLAMATION SITE INSPECTION

A pre-reclamation site inspection was completed with Roger Herrera, from the BLM and Dale Crawford, Hilcorp Energy SJ South Construction Foreman on March 6, 2024.

2. LOCATION RECLAMATION PROCEDURE

1. Final reclamation will occur in Summer.
2. Removal of all equipment, anchors, flowlines and cathodic.
3. All trash and debris will be removed within a 50' buffer outside of the location disturbance during reclamation.
4. Remove all gravel from berms, pads, and meter run.
5. Push fill slope back to cut slope. Blend with fill slope of the co-located well Hancock A 7.
6. Add silt traps if needed.
7. Meter run will be removed. Pipeline will be stripped back to dogleg.

3. ACCESS ROAD RECLAMATION PROCEDURE

1. Access road will be closed by water barring.
2. Access will be ripped and contoured.
3. Allow flow to stay in natural drainage.

4. SEEDING PROCEDURE

1. A sage and juniper seed mix will be used for all reclaimed and disturbed areas of the well pad and lease road.
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.

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**

AFMSS 2 Sundry ID 2779588

Attachment to notice of Intention to Abandon

Well: Hancock A 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 the Plug 1 TOC to 1730 ft to account for the BLM geologist's Fruitland top at 1830 ft.
 - b. Move the Plug 2 to 820 ft to account for the BLM geologist's Ojo Alamo top at 920 ft.
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 03/14/2024

BLM - FFO - Geologic Report

Date Completed 3/13/2024

Well No. Hancock A # 5 Surf. Loc. 1820 FNL 810 FEL
 Sec 35 T28N R9W
 Lease No. NMSF04209
 Operator Hilcorp Energy Co County San Juan State New Mexico
 TVD 2413 PBTD 2402 Formation: South Blanco Pictured Cliffs
 Elevation GL 6118 Elevation Est. KB 6130

Geologic Formations	Est. tops	Subsea Elev.	Remarks
Nacimiento Fm.	Surface		Surface /fresh water sands
Ojo Alamo Ss	920	5210	Fresh water aquifer
Kirtland Fm.	1459	4671	
Fruitland Fm.	1830	4300	Coal/gas/possible water
Pictured Cliffs	2304	3826	Possible gas/water

Remarks:

Reference Well:

-Vertical wellbore, all formation depths are TVD from KB at the wellhead.
 -Move the Plug 1 TOC to 1730' to account for the BLM geologist's Fruitland top.
 -Move the Plug 2 TOC to 820' to account for the BLM geologist's Ojo Alamo top.
 -The surface formation is the Nacimiento, therefore the bottom of Plug 3 may be adjusted.

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 H₂S.

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.

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 323420

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 323420
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	plug 1 should start 50 feet below pc top - bradenhead shows a steady flow - cannot combine plugs - follow BLM tops-- Notify NMOCD 24 hours prior to moving on - contact this office prior to running Kirtland plug - monitor string pressures daily - note findings in subsequent	3/14/2024