

| | | |
|----------------------------|--|--|
| Well Name: TRIBAL C | Well Location: T26N / R3W / SEC 6 / SWSW / | County or Parish/State: RIO ARRIBA / NM |
| Well Number: 1 | Type of Well: CONVENTIONAL GAS WELL | Allottee or Tribe Name: JICARILLA APACHE |
| Lease Number: JIC97 | Unit or CA Name: | Unit or CA Number: |
| US Well Number: 3003906655 | Well Status: Gas Well Shut In | Operator: HILCORP ENERGY COMPANY |

Conditions of Approval

Specialist Review

General_Requirement_P_A_20210713091710.doc
BLM_Conditions_of_Approval_20210713091642.pdf
Tribal_C_1_20210713091620.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: KANDIS ROLAND
Signed on: MAY 06, 2021 11:15 AM
Name: HILCORP ENERGY COMPANY
Title: Operation Regulatory Tech
Street Address: 382 Road 3100
City: Farmington State: NM
Phone: (505) 599-3400
Email address: kroland@hilcorp.com

Field Representative

Representative Name:
Street Address:
City: State: Zip:
Phone:
Email address:

BLM Point of Contact

BLM POC Name: DAVE J MANKIEWICZ
BLM POC Title: AFM-Minerals
BLM POC Phone: 5055647761
BLM POC Email Address: DMANKIEW@BLM.GOV
Disposition: Approved
Disposition Date: 07/13/2021
Signature: Dave Mankiewicz



HILCORP ENERGY COMPANY
TRIBAL C 1
P&A NOI

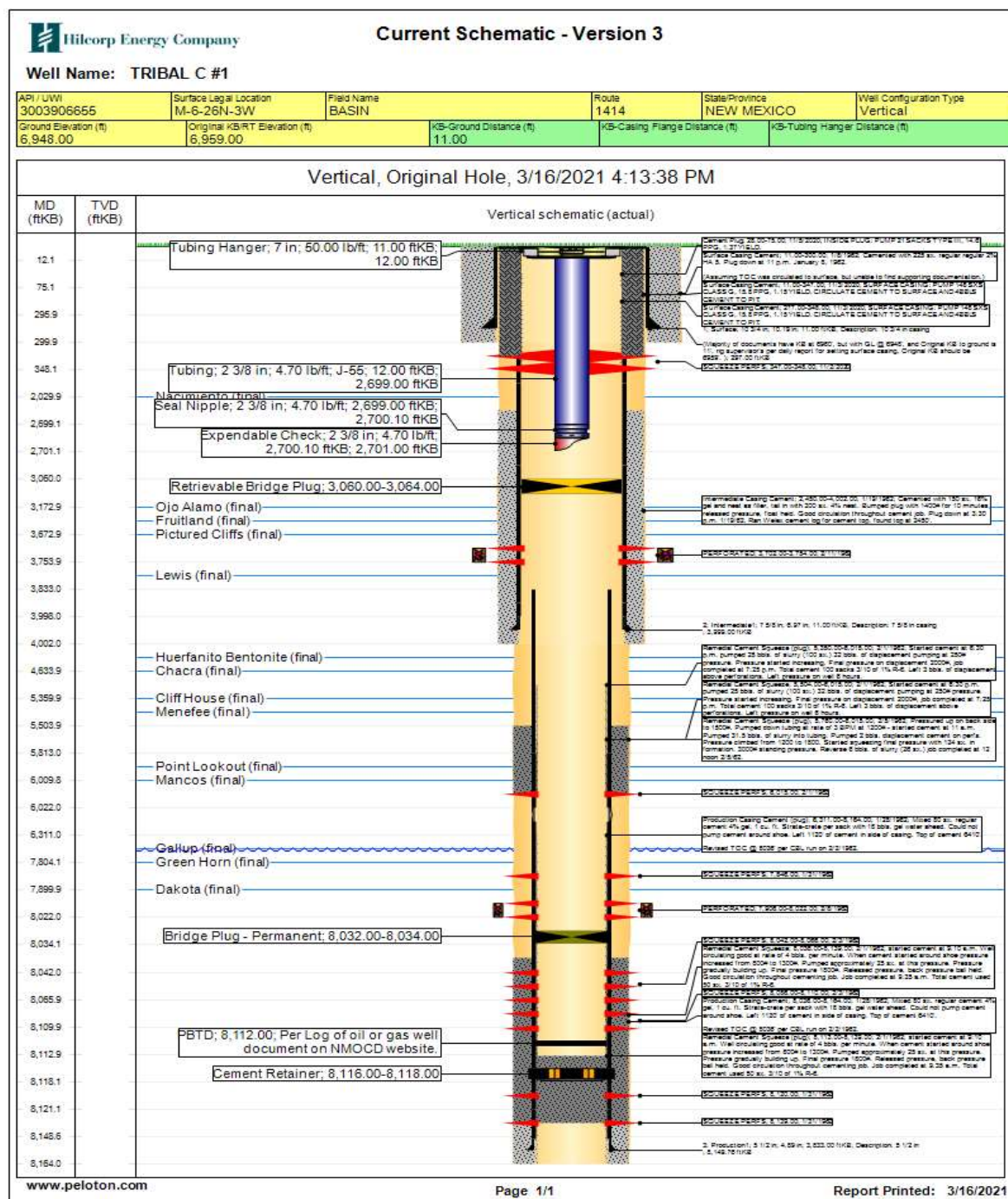
JOB PROCEDURES

1. Contact **NMOCD/BLM/JICARILLA 24 hours before** rigging up on well.
2. MIRU workover rig & associated equipment; test BOP.
3. TOO H w/ **2-3/8"** tubing set @ **2,701'**. RBIH w/ work string to remove RBP set @ **3060'**. Retrieve RBP & TOO H.
4. PU plug & TIH w/ tubing/work string to +/- **7,856'** & set plug.
5. **Plug #1: DAKOTA PERFORATIONS (7,706' - 7,856', 27 Sacks of Class G Cement Total):**
 Pump a +/- **150'** balanced cement plug (27 sacks of Class G cement with an estimated **TOC @ +/- 7,706'** and an estimated **BOC @ +/- 7,856'**). WOC & tag top before proceeding.
6. TOO H w/ tubing/work string to +/- 6,871'.
7. **Plug #2: GALLUP TOP (6721' - 6871', 27 Sacks of Class G Cement Total):**
 Pump a +/- **150'** balanced cement plug (27 sacks of Class G cement with an estimated **TOC @ +/- 6721'** and an estimated **BOC @ +/- 6871'**). WOC & tag top before proceeding.
8. TOO H w/ tubing/work string to +/- 6,060'.
9. **Plug #3: MANCOS TOP (5,910' - 6060', 27 Sacks of Class G Cement Total):**
 Pump a +/- **150'** balanced cement plug (27 sacks of Class G cement with an estimated **TOC @ +/- 5910'** and an estimated **BOC @ +/- 6060'**). WOC & tag top before proceeding.
10. TOO H w/ tubing/work string to +/- 5,410'.
11. **Plug #4: MESA VERDE TOP (5,260' - 5,410', 27 Sacks of Class G Cement Total):**
 Pump a +/- **150'** balanced cement plug (27 sacks of Class G cement with an estimated **TOC @ +/- 5260'** and an estimated **BOC @ +/- 5410'**). WOC & tag top before proceeding.
12. TOO H w/ tubing/work string. RU W/L, RIH & perf squeeze holes @ +/- **4049'**. RIH & set CICR @ +/- **3,813'**. TIH w/ tubing/work string to +/- **3,813'** sting into retainer.
13. **Plug #5: LINER TOP & 7-5/8" CASING SHOE (3,733' - 4049', 137 Sacks of Class G Cement Total):**
 Squeeze 120 sacks below cement retainer (71 sacks behind pipe (100% excess) & 49 sacks below retainer (249'), sting out and pump balance plug on top of retainer (15 sacks, 50' excess) (Estimated **TOC @ +/- 3,733'** and an estimated **BOC @ +/- 4049'**). WOC & tag top before proceeding.
14. TOO H w/ tubing/work string. RU W/L, RIH & set CICR @ +/- 3,623'. TIH w/ tubing/work string to +/- 3,623'.
15. **Plug #6: PICTURED CLIFFS PERFORATIONS, FRUITLAND, & OJO ALAMO TOPS (3,073' - 3,623', 212 Sacks of Class G Cement Total):**
 Pump a +/- **550'** balanced cement plug (212 sacks of Class G cement with an estimated **TOC @ +/- 3,073'** and an estimated **BOC @ +/- 3,623'**). WOC & tag top before proceeding.
16. R/U WL. Run CBL from ~3,000' to surface, and review results with NMOCD. TOO H w/ tubing/work string. RIH & perf squeeze holes @ +/- **2,080'**. RIH & set CICR @ +/- **2,030'**. TIH w/ tubing/work string to +/- **2,030'** & sting into retainer.
17. **Plug #7: NACIMENTO TOP (1930' - 2080', 80 Sacks of Class G Cement Total):**
 Squeeze 45 sacks below cement retainer (27 sacks behind pipe (100% excess) & 16 sacks below retainer (50'), sting out and pump balance plug on top of retainer (35 sacks, 50' excess) (Estimated **TOC @ +/- 1930'** and an estimated **BOC @ +/- 2080'**). WOC & tag top before proceeding.
18. TOO H w/ tubing/work string to +/- **347'**.
19. **Plug #8: SURFACE PLUG (0' - 347', 93 Sacks of Class G Cement Total):**
 Pump a +/- **347'** balanced cement plug (93 sacks of Class G cement with an estimated **TOC @ +/- 0'** and an estimated **BOC @ +/- 347'**).
20. TOO H w/ tubing/work string. WOC.
21. 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
TRIBAL C 1
P&A NOI

TRIBAL C 1 - CURRENT WELLBORE SCHEMATIC





HILCORP ENERGY COMPANY
TRIBAL C 1
P&A NOI

TRIBAL C 1 - PROPOSED WELL BORE SCHEMATIC

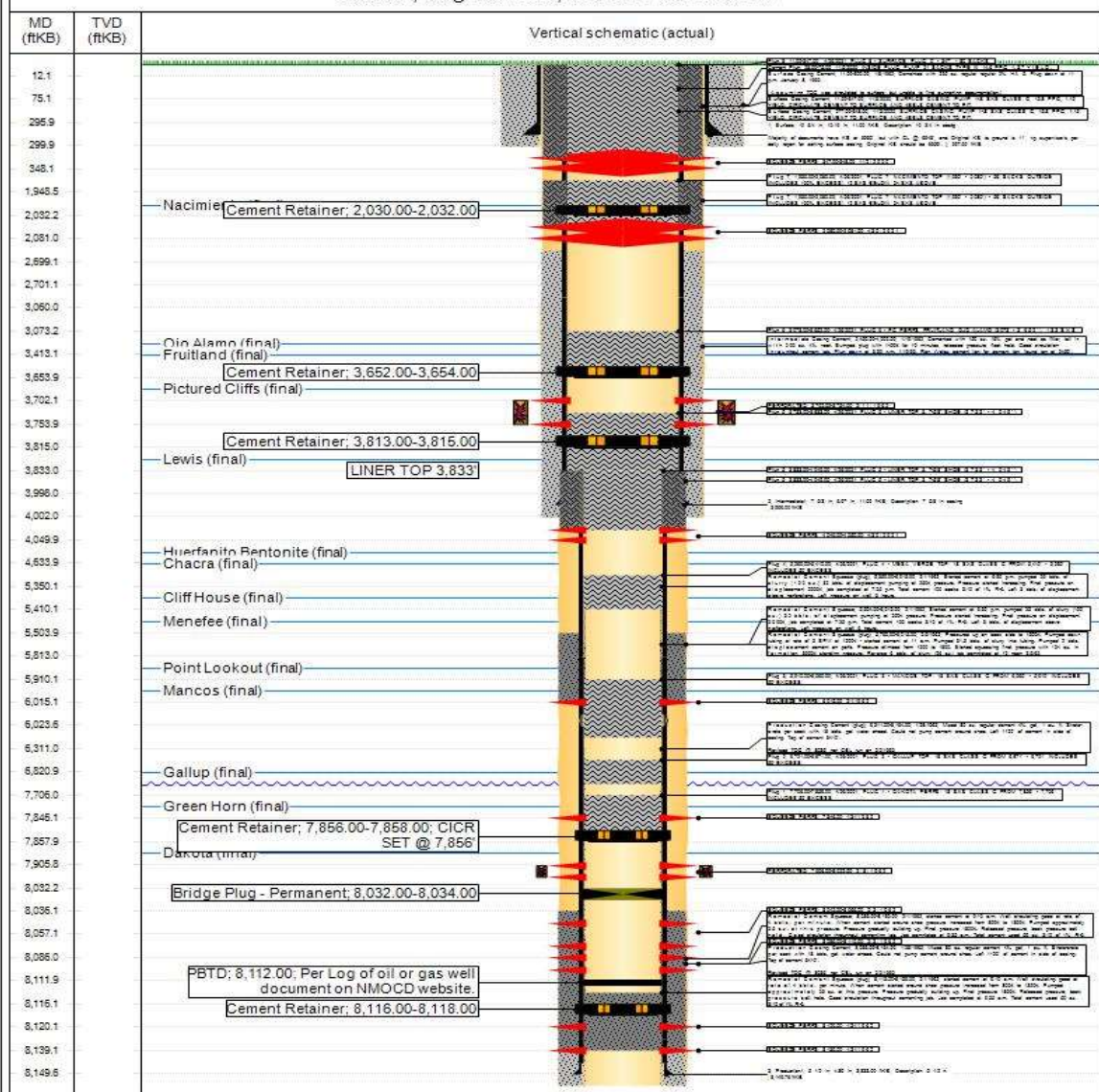


Current Schematic - Version 3

Well Name: TRIBAL C #1

| | | | | | |
|-----------------------------------|---|----------------------------------|--------------------------------|--------------------------------|-------------------------------------|
| API / UWI 3003906655 | Surface Legal Location M-6-26N-3W | Field Name BASIN | Route 1414 | State/Province NEW MEXICO | Well Configuration Type Vertical |
| Ground Elevation (ft) 6,848.00 | Original KB/RT Elevation (ft) 6,959.00 | KB-Ground Distance (ft) 11.00 | KB-Casing Flange Distance (ft) | KB-Tubing Hanger Distance (ft) | |

Vertical, Original Hole, 5/5/2021 3:44:43 PM



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Report Printed: 5/5/2021

Hilcorp Energy

Tribal C 1

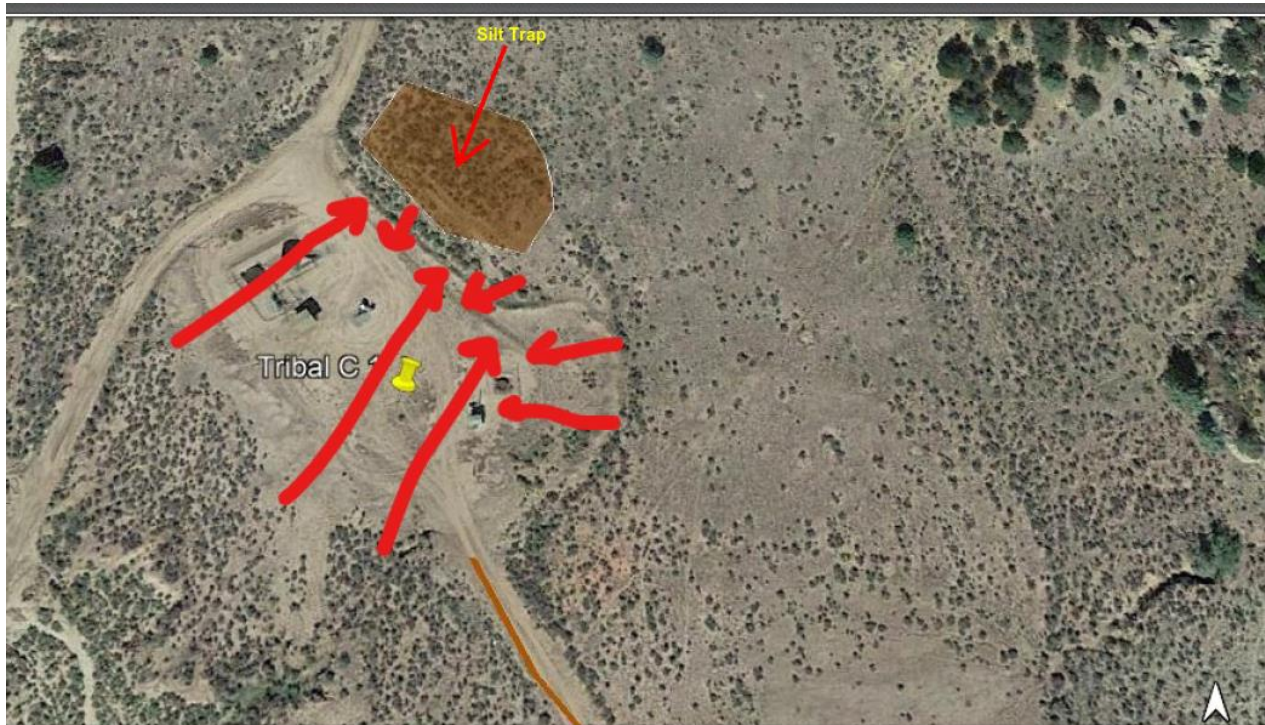
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API-30-039-06655

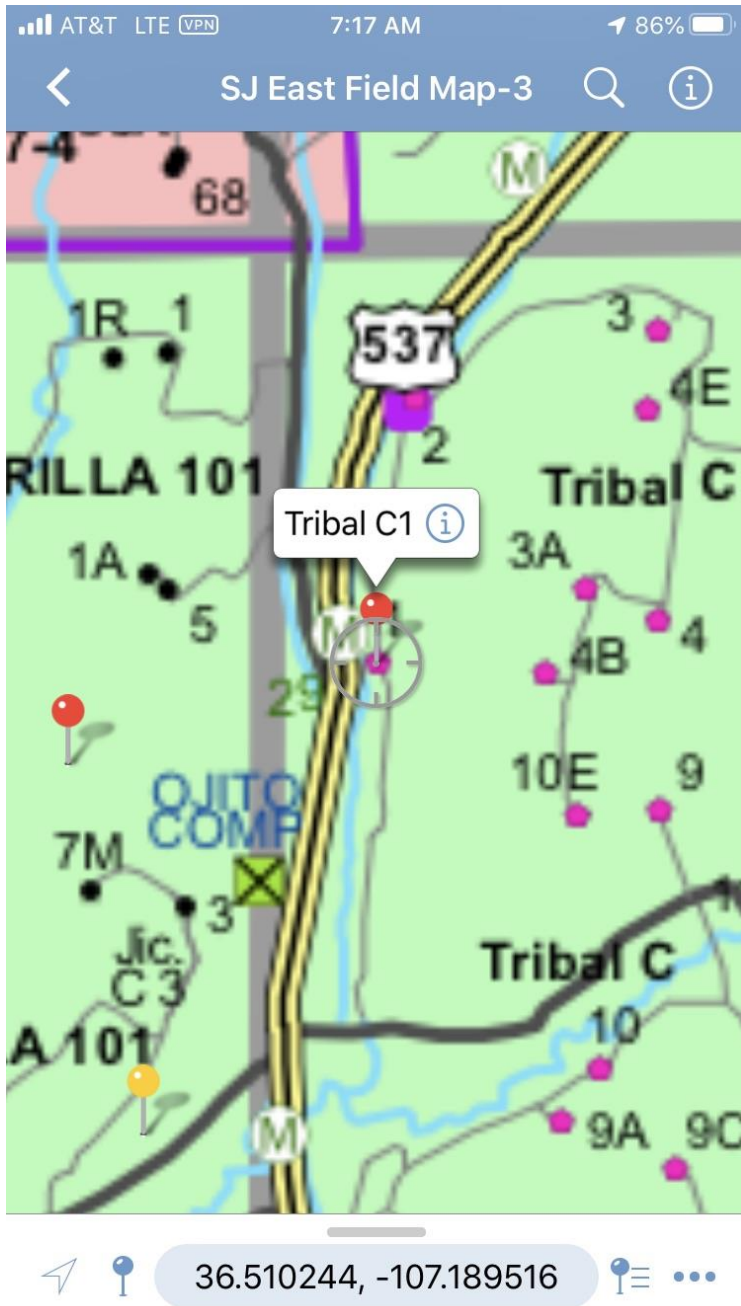
Jicarilla Lease #97

Final Reclamation Plan

1. Pick up and remove all trash, metal, cable, and any foreign debris within 200' of location. Remove pipe rack and cable on Northeast side of location.
2. Remove anchors.
3. Strip equipment off of facility, and plug Cathodic well
4. Harvest to remove meter run and piping back to dog leg.
5. Build silt trap on the northeast side of location.
6. Re-contour pad to re-create natural terrain. Push material towards the East/North east side of location.
7. Set surface wellhead marker plate.
8. Reclaim road halfway (715') to Logos' well, by pulling material back onto road, ripping, diking and seeding.
9. Rip compacted soil.
10. Re-seed all disturbed areas. Drill where applicable at rate per acre defined by seed mix, and broadcast seed and harrow, at double the rate, all other disturbed areas. Mesa Mix seed mix will be used.









United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Jicarilla Agency

P.O. Box 167

Dulce, New Mexico 87528

IN REPLY REFER TO:

Branch of Real Estate Services

November 15, 2019

Memorandum

To: Robert Switzer, Environmental Protection Specialist
Bureau of Land Management, Farmington Field Office

From: Kurt Sandoval, Realty Officer
Bureau of Indian Affairs, Jicarilla Agency

Subject: BIA Concurrence concerning Well Pad Monument Makers

Let this serve as concurrence for the agreed upon preferred method to be used when constructing well pad monument markers on Jicarilla Apache Tribal Lands. We will eliminate the 6 ft. dry hole marker and use a permanent metal plate that will be installed at ground level, effective September 2019. The marker will contain the following information:

- Well Pad Lease Number
- Well Pad Location Name and Number
- Well Pad Legal Description, specifically Section, Township and Range
- Well Pad API Number
- Well Pad Plug Date
- Well Pad Operator Name

You may contact our office if you have any questions or concerns at (575) 759-3936. Thank you.


Realty Officer

cc: Jicarilla Oil and Gas Administration

BLM Conditions of Approval

The following surface rehabilitation Conditions of Approval must be complied with as applicable, before this well can be approved for final abandonment (43CFR 3162.3-4). **Surface rehabilitation work shall be completed within one (1) year of the actual plugging date. Notification for completion of this work can be submitted with a Sundry Notice (3160-5).**

1. All fences, production equipment, purchaser's equipment, concrete slab, deadman (anchors), flowlines, risers, debris and trash must be removed from the location.
2. Production pits will be closed according to the Unlined Surface Impoundment Closure Guidelines, as approved in the Environmental Assessment of December 1993. Any oil stained soils may be remediated on-site according to these guidelines or disposed of in an approved disposal facility.
3. The well pad will be shaped to the natural terrain and left as rough as possible. All compacted areas and areas devoid of vegetation shall be ripped to a minimum of 12" before seeding.
4. Access roads will be shaped to conform to the natural terrain and left as rough as possible to detour vehicular travel. Access will be ripped to a minimum of 12" in depth and waterbarred prior to seeding. All erosion problems created by the development must be corrected prior to acceptance of release. Water bars should be spaced as follows:

| (%) Slope | Spacing Interval (ft.) |
|-----------------|------------------------|
| Less than 20 | 200 |
| 2-5 | 150 |
| 6-9 | 100 |
| 10-15 | 50 |
| Greater than 15 | 30 |

All water bars should divert to the downhill side of the road.

- Page 11 of 17
5. All disturbed areas will be seeded with the prescribed certified seed mix (reseeding may be required).
 6. Notify the Surface Managing Agency (SMA) seven (7) days prior to seeding so that they may be present for that option.
 7. The period of liability under the bond of record will not be terminated until the lease is inspected and the surface rehabilitation approved.

Other SMA's may vary slightly in their restoration requirements. It is your responsibility, as the operator, to obtain surface restoration requirements for other SMA's. The BLM will need to be provided with a copy of another SMA requirement. Any problems concerning stipulations received for another SMA should be brought to the BLM Farmington Field Office.

On private land, the BLM should be provided with a letter from the fee owner stating that the surface restoration is satisfactory.

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: Tribal C #1

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. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.
3. The following modifications to your plugging program are to be made:
 - a) Set Plug #6 (3073 - 3723) ft. to cover PC, Fruitland, Kirtland, and Ojo Alamo tops. BLM picks top of Pictured Cliffs at 3673 ft. BLM picks top of Ojo Alamo at 3173 ft.

Operator will run a CBL to verify cement top. Submit the electronic copy of the log for verification to the following addresses: jwsavage@blm.gov Brandon.Powell@state.nm.us

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.

**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. (densimeter/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 (CBL) is required to be run if one had not been previously run.

4.7 If cement was circulated to surface during the primary cement job or subsequent cement job and a CBL has not been run, the wellhead must remain connected to the casing string for pressure monitoring before the P&A marker is installed.

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.

BLM FLUID MINERALS Geologic Report

Date Completed: 6/14/2021

| | | | | | | | |
|--|------------|-------------------------|------------|-----|-------|------------|-----|
| Well No. Tribal C #1 (API# 30-039-06655) | | Location | 790 | FSL | & | 1190 | FWL |
| Lease No. Jicarilla Contract 97 | | Sec. 6 | T26N | | | R03W | |
| Operator Hilcorp Energy Company | | County | Rio Arriba | | State | New Mexico | |
| Total Depth 8164' | PBTD 8113' | Formation Dakota (PBTD) | | | | | |
| Elevation (GL) 6948' | | Elevation (KB) 6959' | | | | | |

| Geologic Formations | Est. Top | Est. Bottom | Log Top | Log Bottom | Remarks |
|-----------------------------|----------|-------------|---------|------------|------------------------------------|
| San Jose Fm | | | Surface | 2030 | Surface/Fresh water sands |
| Nacimiento Fm | | | 2030 | 3173 | Fresh water sands |
| Ojo Alamo Ss | | | 3173 | 3412 | Aquifer (fresh water) |
| Kirtland Shale | | | 3412 | 3517 | Possible usable water near surface |
| Fruitland Fm | | | 3517 | 3673 | Coal/Gas/Possible water |
| Pictured Cliffs Ss | | | 3673 | 3870 | Gas |
| Lewis Shale | | | 3870 | 4632 | |
| Chacra | | | 4632 | 5360 | |
| Cliff House (La Ventana) Ss | | | 5360 | 5500 | Water/Possible gas |
| Menefee Fm | | | 5500 | 5866 | Coal/Ss/Water/Possible O&G |
| Point Lookout Ss | | | 5866 | 6009 | Probable water/Possible O&G |
| Mancos Shale | | | 6009 | 6821 | |
| Gallup | | | 6821 | 7804 | O&G/probable water |
| Greenhorn | | | 7804 | 7869 | |
| Graneros Shale | | | 7869 | 7900 | |
| Dakota Ss | | | 7900 | PBTD | Gas/potential oil/water |
| Morrison | | | | | Water/possible gas |

Remarks:

P & A

- BLM formation top pick for the Pictured Cliffs varies from Operator pick.
- Plug #6 (Pictured Cliffs perforations, Fruitland and Ojo Alamo tops) bottom should be brought down to cover BLM Pictured Cliffs formation top pick @ 3673'.
- A Chacra plug is not required as this well is off the productive gas trend.
- Log analysis of Reference Well #2 indicates the San Jose, Nacimiento, and Ojo Alamo sands may contain fresh water (< 5000 ppm TD). Placement of cement plugs as indicated on the P&A procedure, with recommended adjustments from this report, will protect fresh water sands in this well bore.

Reference Well:

1) **Formation Tops**
Same

2) **Water Analysis**
ConocoPhillips Co.
Apache #3
900' FNL, 990' FWL
Sec. 19, T26N, R03W
GL 7007' KB 7019'

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

COMMENTS

Action 37181

COMMENTS

| | |
|--|---|
| Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002 | OGRID: 372171 |
| | Action Number: 37181 |
| | Action Type: [C-103] NOI Plug & Abandon (C-103F) |

COMMENTS

| Created By | Comment | Comment Date |
|------------|-------------------------|--------------|
| kpickford | KP GEO Review 7/22/2021 | 7/23/2021 |

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 37181

CONDITIONS

| | |
|--|---|
| Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002 | OGRID: 372171 |
| | Action Number: 37181 |
| | Action Type: [C-103] NOI Plug & Abandon (C-103F) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|---|----------------|
| kpickford | Notify NMOCD 24 Hours Prior to beginning operations | 7/23/2021 |
| kpickford | Adhere to BLM COAs on BLM Geologic Report | 7/23/2021 |