

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.  
NMSF078999

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.  
SAN JUAN 31-6 UNIT 552. Name of Operator  
HILCORP ENERGY COMPANYContact: TAMMY JONES  
E-Mail: tajones@hilcorp.com9. API Well No.  
30-039-26990-00-S13a. Address  
1111 TRAVIS STREET  
HOUSTON, TX 770023b. Phone No. (include area code)  
Ph: 505.324.518510. Field and Pool or Exploratory Area  
ROSA PICTURED CLIFFS

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 27 T31N R6W SENW 1496FNL 1782FWL  
36.893480 N Lat, 107.452560 W Lon11. County or Parish, State  
RIO ARRIBA COUNTY, NM

## 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

## TYPE OF ACTION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Hydraulic Fracturing☐ New Construction☒ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☐ Other

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Hilcorp Energy Company requests to plug & abandon the subject wellbore, a closed loop system will be utilized. Attached is the current wellbore schematic, proposed P&A schematic, procedure & reclamation plans - (Preonsite inspection conducted 6/17/19 w/Bob Switzer, BLM and Bryan Hall, HEC).

NMOCD

Notify NMOCD 24 hrs  
prior to beginning  
operations

SEP 27 2019

DISTRICT III

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #480713 verified by the BLM Well Information System

For HILCORP ENERGY COMPANY, sent to the Farmington

Committed to AFMSS for processing by ALBERTA WETHINGTON on 09/03/2019 (19AMW0587SE)

Name (Printed/Typed) TAMMY JONES

Title REGULATORY SPECIALIST

Signature (Electronic Submission)

Date 08/27/2019

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By JOE KILLINS

Title ENGINEER

Date 09/26/2019

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Farmington

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.

(Instructions on page 2)

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

A

12



HILCORP ENERGY COMPANY  
SAN JUAN 31-6 UNIT 55  
P&A NOI

JOB PROCEDURES

1. Hold pre-job safety meeting. Verify cathodic is off. Comply with all NMOCD, BLM, and HEC safety and environmental regulations.
2. Check casing, tubing, and bradenhead pressures and record them in WellView. If there is pressure on the BH, contact Operations Engineer.
3. MIRU service rig and associated equipment; NU and test BOP.
4. Perform Mechanical Integrity Test (MIT) by pressure testing the 4.5" casing above the CIBP set @ 3,258' to 560 psig for 30 minutes on a 2 hour chart with a 1,000 lb spring.
5. PU & TIH w/ tubing/work string to +/- 3,258'.
6. Plug #1: **PICTURED CLIFFS PERFORATIONS (3,158' - 3,258', 8 Sacks of Class G Cement Total):**  
Pump a +/- 100' balanced cement plug (8 sacks of Class G cement with an estimated TOC @ +/- 3,158' and an estimated BOC @ +/- 3,258').
7. TOOH w/ tubing/work string to +/- 3,137'.
8. Plug #2: **FRUITLAND, KIRTLAND, & OJO ALAMO FORMATION TOPS (2,410' - 3,137', 54 Sacks of Class G Cement Total):**  
Pump a +/- 727' balanced cement plug (54 sacks of Class G cement with an estimated TOC @ +/- 2,410' and an estimated BOC @ +/- 3,137').
9. TOOH w/ tubing/work string to +/- 1,037'.
10. Plug #3: **NACIMIENTO FORMATION TOP (937' - 1,037', 8 Sacks of Class G Cement Total):**  
Pump a +/- 100' balanced cement plug (8 sacks of Class G cement with an estimated TOC @ +/- 937' and an estimated BOC @ +/- 1,037').
11. TOOH w/ tubing/work string to +/- 367'.
12. Plug #4: **SURFACE PLUG (0' - 367', 28 Sacks of Class G Cement Total):**  
Pump a +/- 367' balanced cement plug (28 sacks of Class G cement with an estimated TOC @ +/- 0' and an estimated BOC @ +/- 367').
13. TOOH w/ tubing/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  
SAN JUAN 31-6 UNIT 55  
P&A NOI

SAN JUAN 31-6 UNIT 55 - CURRENT WELLBORE SCHEMATIC



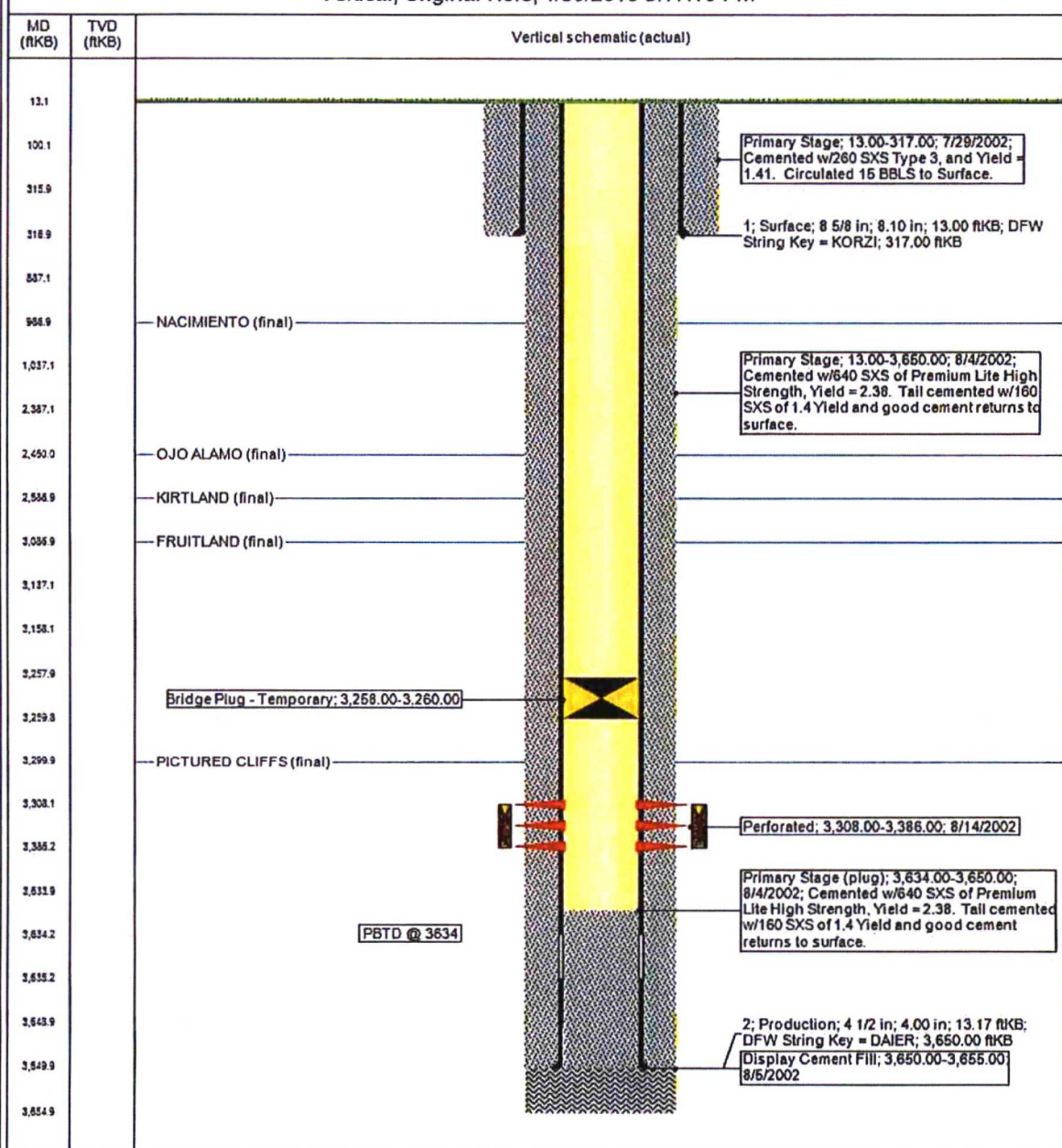
Hilcorp Energy Company

Current Schematic - Version 3

Well Name: SAN JUAN 31-6 UNIT #55

API UWI 3003926990	Surface Legal Location 027-031N-006W-F	Field Name PC	Route 1105	State/Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 6,425.00	Original K&RT Elevation (ft) 6,438.00	K&B-Ground Distance (ft) 13.00	K&B-Casing Flange Distance (ft)	K&B-Tubing Hanger Distance (ft)	

Vertical, Original Hole, 4/30/2019 3:17:10 PM





HILCORP ENERGY COMPANY  
SAN JUAN 31-6 UNIT 55  
P&A NOI

SAN JUAN 31-6 UNIT 55 - PROPOSED WELLBORE SCHEMATIC

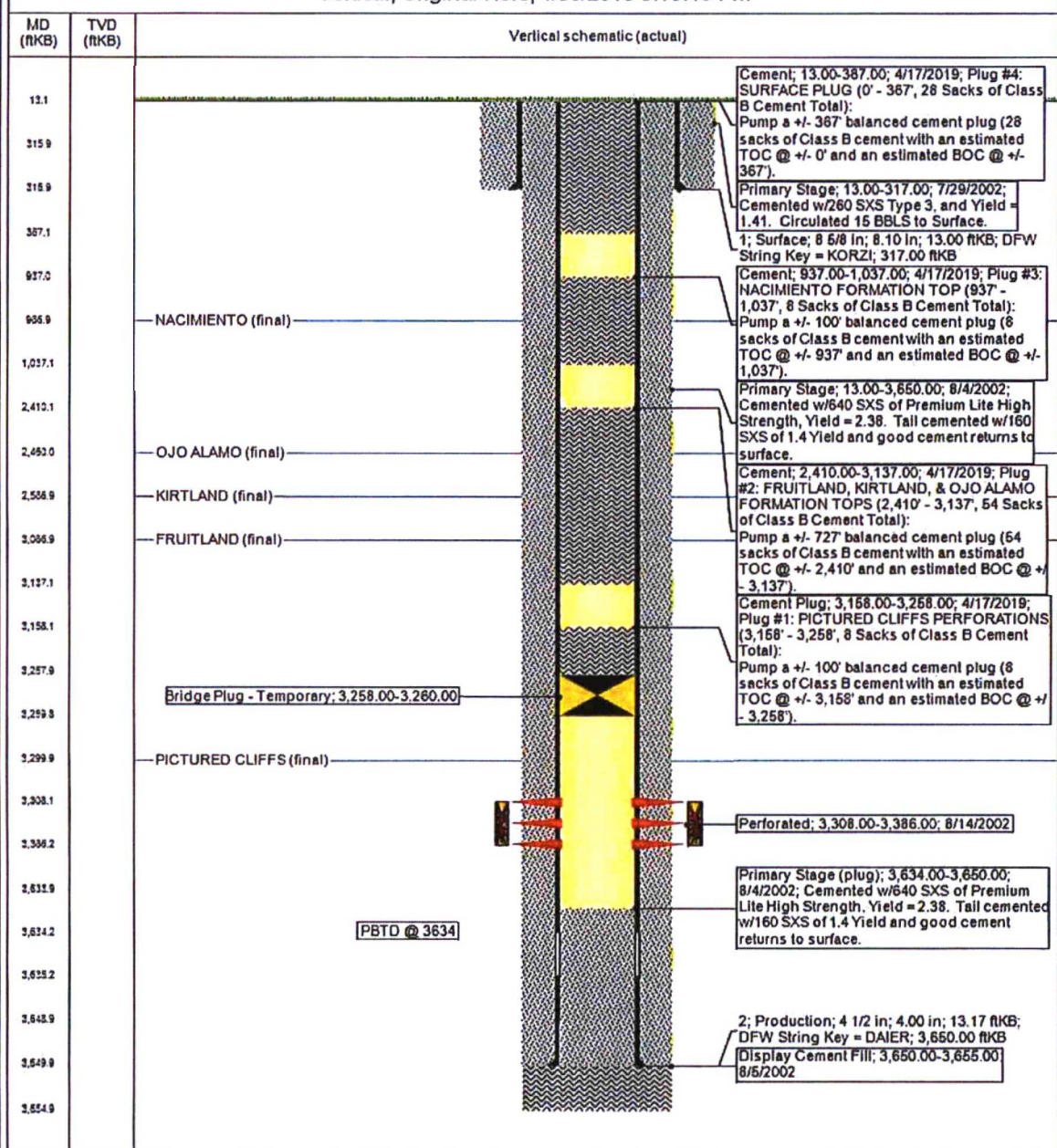


Current Schematic - Version 3

Well Name: SAN JUAN 31-6 UNIT #55

API / UWI 30039226990	Surface Legal Location 027-031N-006W-F	Field Name PC	Route 1105	State/Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 6,425.00	Original K&B RT Elevation (ft) 6,438.00	K&B-Ground Distance (ft) 13.00	K&B-Casing Flange Distance (ft)	K&B-Tubing Hanger Distance (ft)	

Vertical, Original Hole, 4/30/2019 3:19:40 PM



## Hilcorp Energy

San Juan 31-6 Unit 55

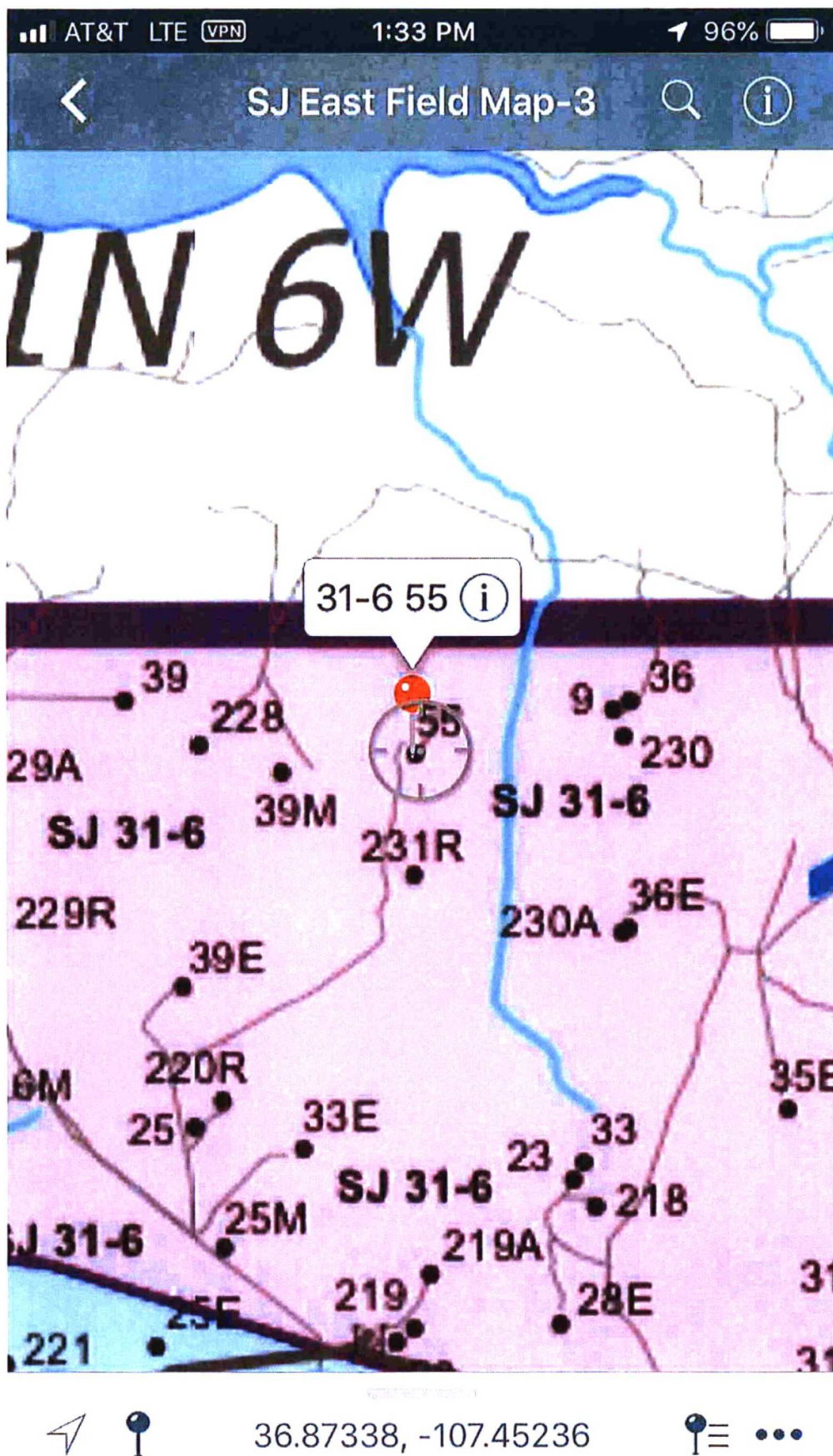
36.87348, -107.45256

API-3003926990

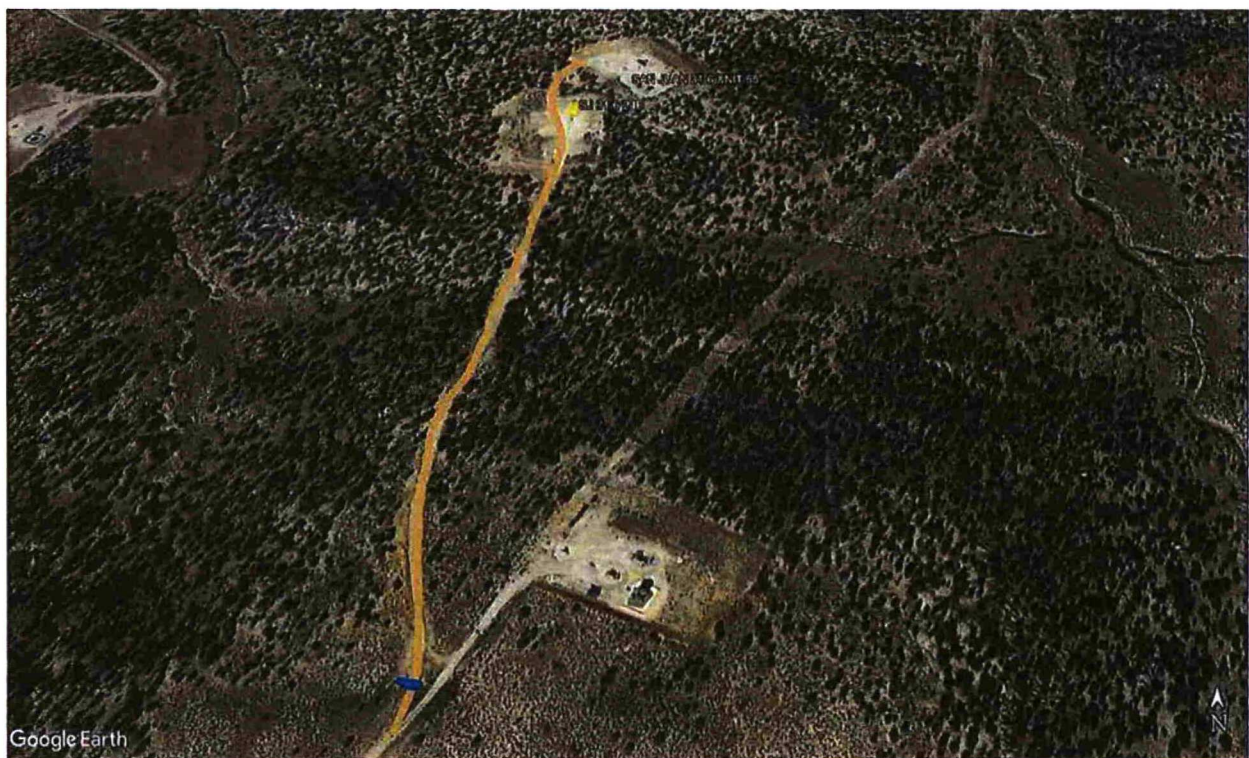
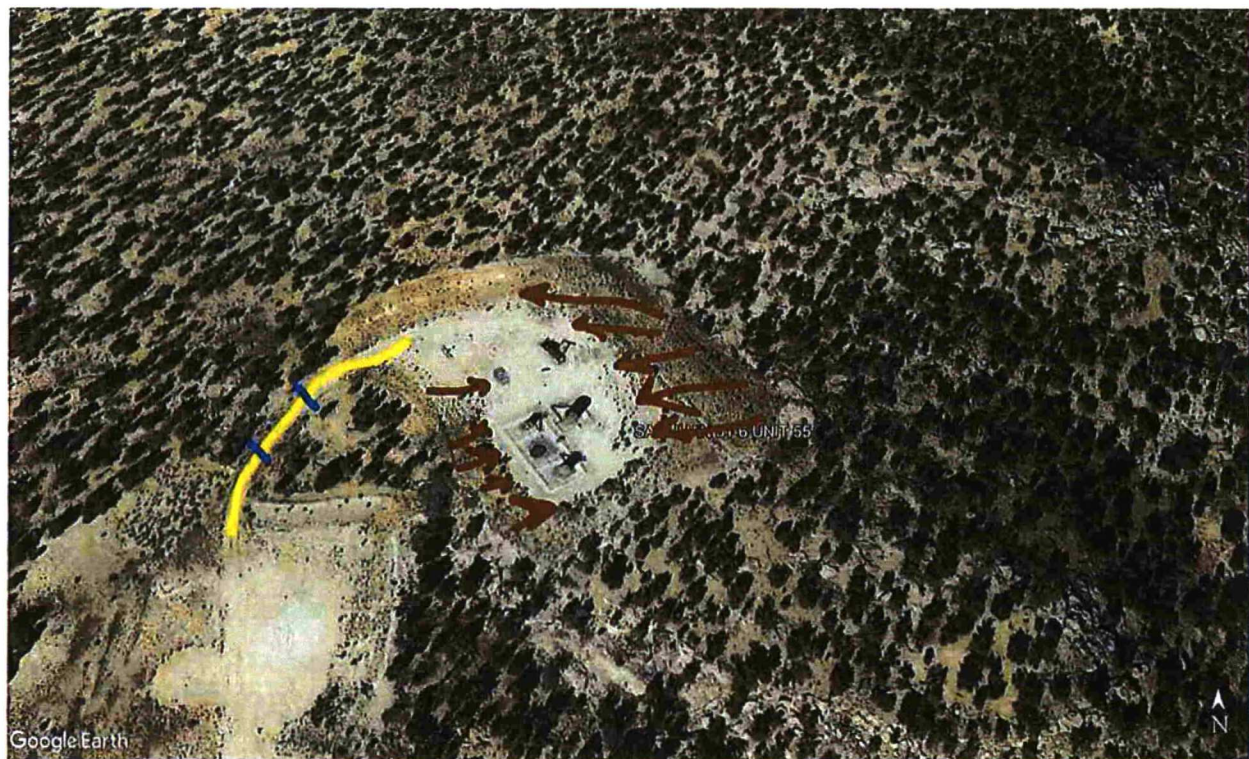
### Final Reclamation Plan

1. Pick up and remove all trash, metal, cable, and any foreign debris within 200' of location.
2. Remove anchors, if present.
3. Will have to de-energize power from end of access road and disconnect wires in the junction box
4. P&A Cathodic well
5. Harvest to remove pipeline and meter run back to dog leg.
6. Strip equipment off of facility including concrete pad for pumping unit.
7. Bury gravel.
8. Push fill from east, south and southwest side of location to recreate natural ridge.
9. Reclaim 2,000' of access road.
10. Rip compacted soil and walk down entire well pad.
11. Re-seed all disturbed areas. Drill where applicable at 12lbs an acre, and broadcast seed and harrow, at 24lbs an acre, all other disturbed areas. Broadcast seed a double the rate of seed. Pinion/Juniper seed mix will be used.
12. Fence off closed access road with t-posts and 3 strands of woven wire fencing.









## Hilcorp Energy

San Juan 31-6 Unit 55

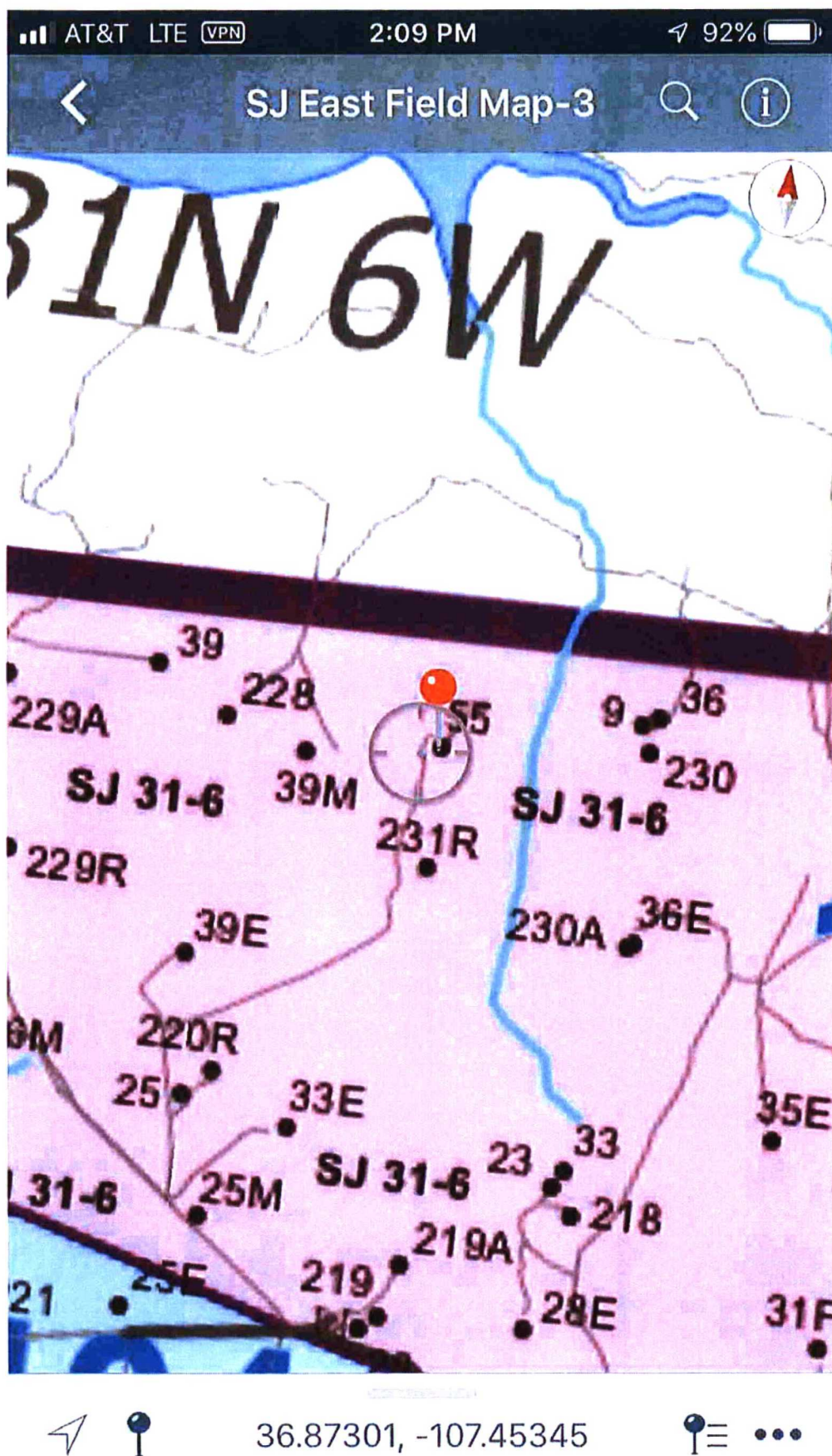
36.87348, -107.45256

API-30-039-25279

### Final Reclamation Plan

1. Pick up and remove all trash, metal, cable, and any foreign debris within 200' of location.
2. Remove anchors, if present.
3. Will have to de-energize power from end of access road and disconnect wires in the junction box
4. P&A Cathodic well
5. Harvest to remove pipeline and meter run back to dog leg, shown in yellow.
6. Bury gravel.
7. Push fill from south and southwest side of location to recreate natural contours with rolling diversion to prevent erosion.
8. Reclaim 2,000' of access road. Install rolling water bars as needed
9. Rip compacted soil and walk down entire well pad.
10. Re-seed all disturbed areas. Drill where applicable at 12lbs an acre, and broadcast seed and harrow, at 24lbs an acre, all other disturbed areas. Broadcast seed a double the rate of seed. Pinion/Juniper seed mix will be used.
11. Fence off closed access road with t-posts and 3 strands of woven wire fencing.











**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.