

Well Name: J F BELL	Well Location: T30N / R13W / SEC 3 / NWNE / 36.84584 / -108.187897	County or Parish/State: SAN JUAN / NM
Well Number: 2	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM028226C	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004511809	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2652261

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 01/12/2022

Time Sundry Submitted: 11:21

Date proposed operation will begin: 01/24/2022

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 1/10/2022 with Bob Switzer w/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

JF_Bell_2_P_A_NOI_20220112111919.pdf

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US Well Number: 3004511809

Well Status: Producing Gas Well

Operator: HILCORP ENERGY COMPANY

Conditions of Approval

Additional Reviews

General_Requirement_PxA_20220113165826.pdf

2652261_NOIA_2_3004511809_KR_01132022_20220113165815.pdf

30N13W03BKd_J_F_Bell_2_20220113161921.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: AMANDA WALKER

Signed on: JAN 12, 2022 11:21 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

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: 01/13/2022

Signature: Kenneth Rennick



HILCORP ENERGY COMPANY
JF BELL 2
NOTICE OF INTENT TO PERMANENTLY ABANDON

API #: 3004511809

JOB PROCEDURES

- | | | |
|-------------------------------------|-------|---|
| <input checked="" type="checkbox"/> | NMOCD | Contact BLM and OCD 24 hrs prior to MIRU. Record and document all casing pressures <u>daily</u>, including BH, IC (if present) and PC. Comply with all BLM, NMOCD, and HEC safety and environmental regulations. |
| <input checked="" type="checkbox"/> | BLM | |

1. Hold pre-job safety meeting. Comply with all **BLM**, **NMOCD** and HEC safety and environmental regulations. Scope location for base beam. If base beam can not be used, test rig anchors prior to moving in rig. Verify there is no H2S present prior to beginning operations. Verify cathodic is offline.
2. MIRU workover rig. Check casing, tubing, and bradenhead pressures and record them in WellView.
3. Remove existing piping on casing valve. RU blow lines from casing valves and begin blowing down casing pressure.
4. ND wellhead and NU BOPE. Test and chart BOPs as per regulations. Record pressure test. PU and remove tubing hanger to unland tubing. TOOH with all tubing.
5. Load hole and run CBL from plug depth at 6366' to surface. Keep hole loaded while running CBL. **CBL will determine whether or not plugs need to be inside/outside or just inside.**
6. TIH open ended with tubing.
7. Pump **Plug 1, 6366'-6316'** (Perforations: 6416'-6612', Dakota Top: 6413', CIBP: 6366'). Mix & pump 8 sx of Class G cement and spot plug on top of existing CIBP to cover DK top. PU and reverse circulate tubing clean. WOC 4 hours, then RIH and tag plug to confirm TOC.
8. LD tubing to 4568'.
9. Pump **Plug 2, 4618'-4518'** (Mancos Top: 4568'). Mix & pump 12 sx of Class G cement and spot balanced plug to cover the Mancos Top. PU and reverse circulate tubing clean. WOC 4 hours, then RIH and tag plug to confirm TOC.
10. LD tubing to 3457'.
9. Pump **Plug 3, 3507'-3407'** (Mesaverde - Cliffhouse Top: 3457'). Mix & pump 12 sx of Class G cement and spot balanced plug to cover the Mesaverde Top. PU and reverse circulate tubing clean. Pressure test production casing to 500 psi. If test fails, WOC 4 hours and RIH to tag plug to confirm TOC.
10. LD tubing to 2936'.
11. Pump **Plug 4, 2886'-2986'** (Chacra Top: 2936'). Mix & pump 12 sx of Class G cement and spot balanced plug to cover the Chacra Top. PU and reverse circulate tubing clean.
12. LD tubing to 1853'.
13. Pump **Plug 5, 1903'-1803'** (Pictured Cliffs Top: 1953'). Mix & pump 12 sx of Class G cement and spot balanced plug to cover the Pictured Cliffs Top. PU and reverse circulate tubing clean.
14. LD tubing to 1247'.
13. Pump **Plug 6, 1297'-1197'** (Fruitland Coal Top: 1247'). Mix & pump 12 sx of Class G cement and spot balanced plug to cover the Fruitland Coal Top. PU and reverse circulate tubing clean.
15. LD tubing to 404' and then TOOH.
16. RU WL and perforate below surface casing shoe at 404'. Establish injection rate and circulation up bradenhead with water. RIH with cement retainer and set at 354'.
17. Sting into cement retainer. Pump **Plug 7, 404'-Surface** (Surface Casing Shoe: 354'). Mix & pump Class G cement until good cement returns to surface (approx 100 sx). Monitor BH pressure. Spot ~35 sx of Class G cement on top of retainer.
18. ND BOP. Cut off wellhead below surface flange per regulations. Top off w/ cement if needed. Install P&A marker. RDMO. Restore surface location and submit reports to NMOCD.



HILCORP ENERGY COMPANY
JF BELL 2
NOTICE OF INTENT TO PERMANENTLY ABANDON

JF BELL 2 - CURRENT WELLBORE SCHEMATIC

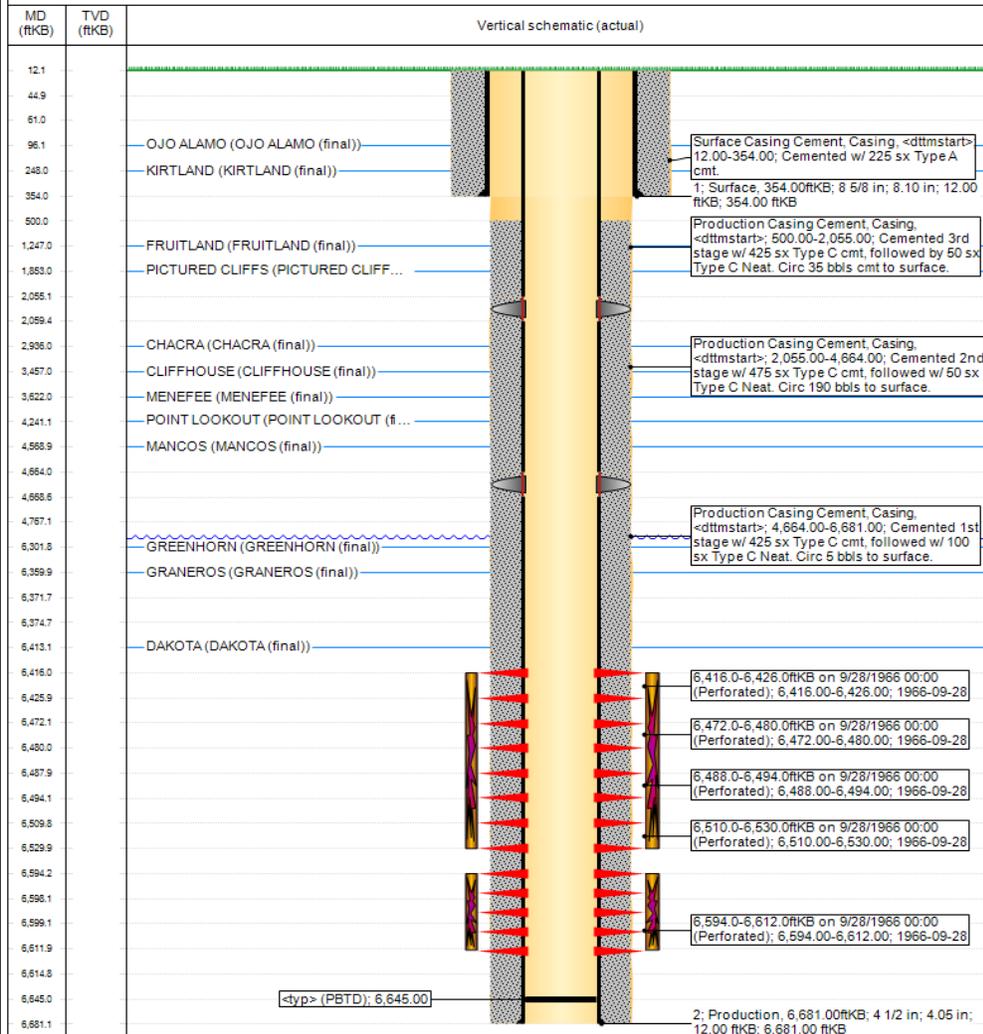


Current Schematic - Version 3

Well Name: **JF BELL #2**

API / UWI 3004511809	Surface Legal Location T30N-R13W-S03	Field Name Basin Dakota	Route 0205	State/Province New Mexico	Well Configuration Type Vertical
Ground Elevation (ft) 5,788.00	Original KBRT Elevation (ft) 5,800.00	KB-Ground Distance (ft) 12.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	

Original Hole [Vertical]





HILCORP ENERGY COMPANY JF BELL 2 NOTICE OF INTENT TO PERMANENTLY ABANDON

JF BELL 2 - PROPOSED P&A SCHEMATIC

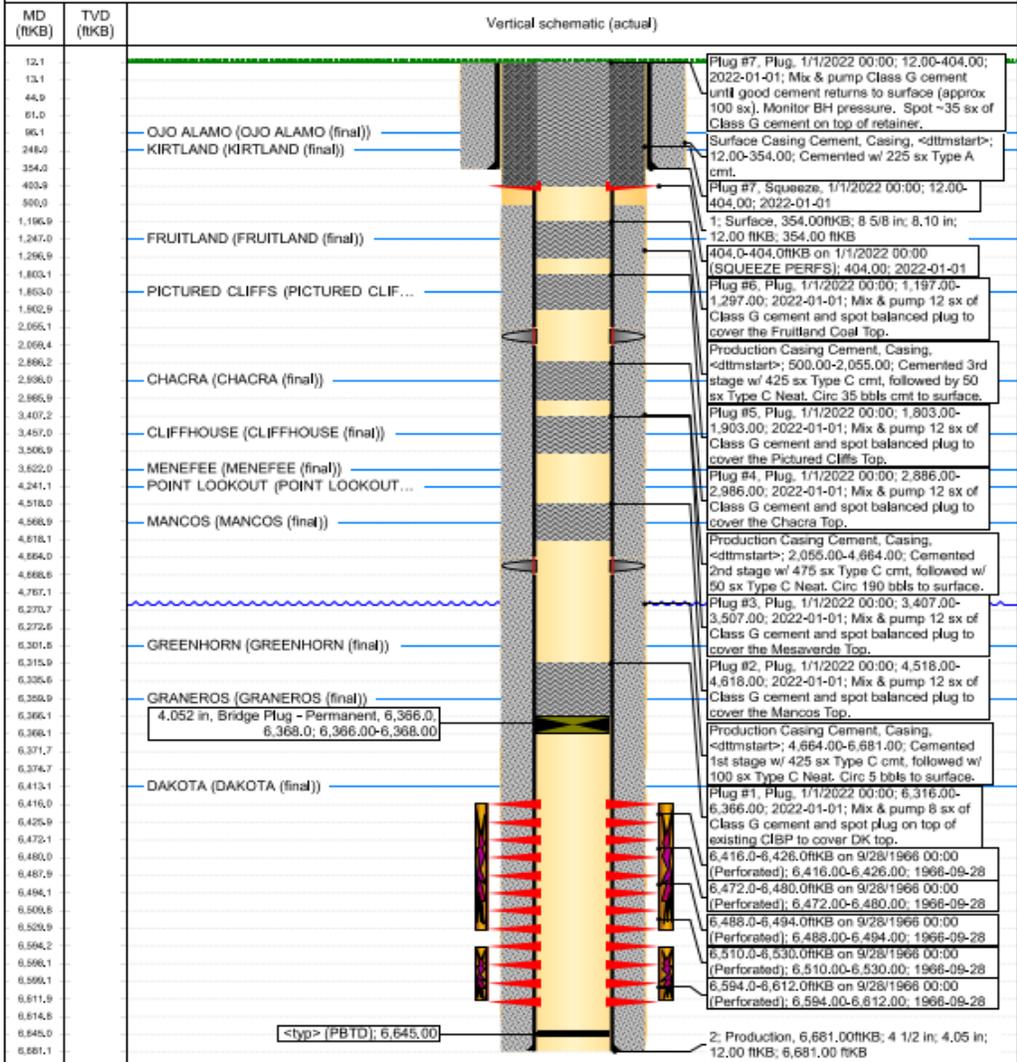


Current Schematic - Version 3

Well Name: JF BELL #2

API/ UWI 3004511809	Surface Legal Location T30N-R13W-S03	Field Name Basin Dakota	Route 0205	State/Province New Mexico	Well Configuration Type Vertical
Ground Elevation (ft) 5,786.00	Original R/B RT Elevation (ft) 5,600.00	R/B-Ground Distance (ft) 12.00	R/B-Casing Flange Distance (ft)	R/B-Tubing Hanger Distance (ft)	

Original Hole [Vertical]



Hilcorp Energy
P&A Final Reclamation Plan
J F Bell #2
API: 30-045-11809
B – Sec.03-T030N-R013W
Lat: 36.845863, Long: -108.187772
Footage: 1050' FNL & 1620' FEL
San Juan County, NM

1. PRE-RECLAMATION SITE INSPECTION

1.1) A pre-reclamation site inspection was completed by Bob Switzer with the BLM and Chad Perkins construction Foreman for Hilcorp Energy on January 10, 2022.

2. LOCATION RECLAMATION PROCEDURE

- 2.1) Reclamation work will begin in the spring of 2022.
- 2.2) Remove all production equipment, anchors, and flowlines.
- 2.3) Enterprise Products will be responsible for pipeline removal.
- 2.4) All trash and debris will be removed within 50' buffer outside of the location disturbance during reclamation.
- 2.5) All nonnative aggregate will be scraped up and buried at the toe of the cut prior to pushing the fill into cut.
- 2.6) Push fill into cut slope and re-contour into 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.

3. ACCESS ROAD RECLAMATION PROCEDURE:

- 3.1) The main lease access road is approximately ~100' long and has no culverts that needs to be removed.
- 3.2) Lease access road will be ripped and seeded.
- 3.3) 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. Halogeton was identified on location it will be sprayed at later date to complete final reclamation.

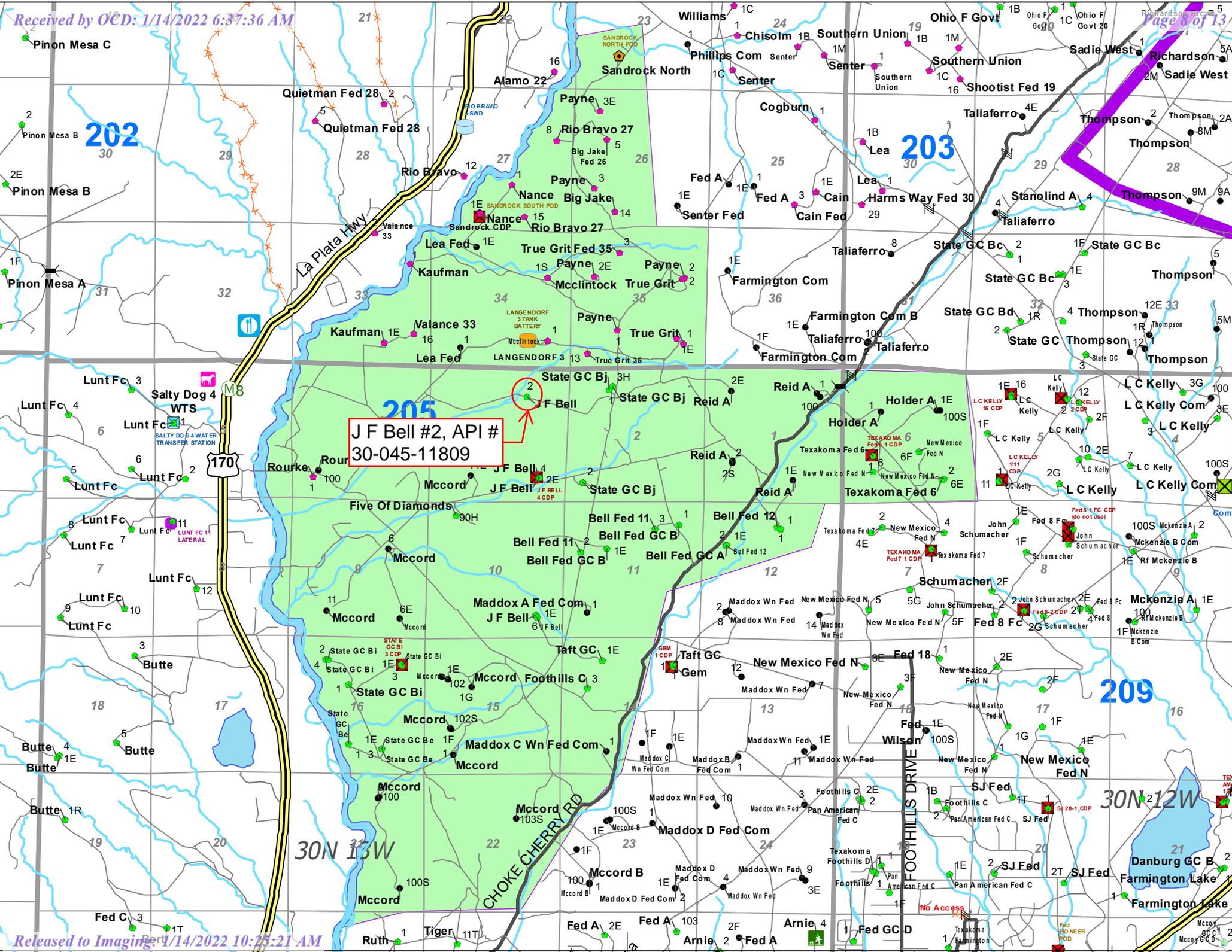
Date: 1/12/2022
Scale: 1:1,128 mi
0 0.01 0.02 0.02 0.03
[Scale bar]
N [North arrow]

- ### Wells
- Gas Well
- ### Hilcorp Boundaries
- Asset Teams
 - Supervisor Areas, outline
- ### Roads and Highways
- US Highways
 - No Access
 - Main Road
 - Road

Fill will be pushed into cut, all non-native aggregate will be buried at toe of the cut prior to pushing fill into the cut.

Silt traps will be installed to control water run on for large drainage features

J.F BELL 2



J F Bell #2, API #
30-045-11809

**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 2652261

Attachment to notice of Intention to Abandon

Well: J F Bell 2

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) Add a plug to cover the Gallup formation top at 5541 feet.
 - b) Plug 4 (Chacra): Adjust plug to cover formation top pick at 2682 feet.
 - c) Plug 6 (Fruitland): Adjust plug to cover formation top pick at 1462 feet.
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 1/13/2022

BLM FLUID MINERALS P&A Geologic Report

Date Completed: 01/13/2022

Well No. J F Bell #2 (API# 30-045-11809)	Location	1050	FNL	&	1620	FEL
Lease No. NMNM-028226C	Sec. 03	T30N			R13W	
Operator Hilcorp Energy Company	County	San Juan		State	New Mexico	
Total Depth 6681'	PBTD 6645'	Formation Dakota				
Elevation (GL) 5788'		Elevation (KB) 5800'				

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm					
Nacimiento Fm	Surface	96			Surface/freshwater sands
Ojo Alamo Ss	96	248			Aquifer (possible freshwater)
Kirtland Shale	248			1462	
Fruitland Fm			1462	1853	Coal/Gas/Possible water
Pictured Cliffs Ss			1853	2040	Gas
Lewis Shale			2040	2682	
Chacra			2682	3457	Gas
Cliff House Ss			3457	3522	Water/Possible gas
Menefee Fm			3522	4241	Coal/Ss/Water/Possible O&G
Point Lookout Ss			4241	4568	Probable water/Possible O&G
Mancos Shale			4568	5541	
Gallup			5541	6294	O&G/Water
Greenhorn			6294	6363	
Graneros Shale			6363	6413	
Dakota Ss			6413	PBTD	O&G/Water

Remarks:

P & A

- BLM picks for the Chacra and Fruitland formation tops vary from Operator submission.
- CBL run planned as part of P&A procedure.
- Add a plug to cover the Gallup formation top at 5541'.
- Adjust Plug #4 (Chacra) to cover BLM formation top pick at 2682'.
- Adjust Plug #6 (Fruitland) to cover BLM formation top pick at 1462'.
- The plugs proposed in the P&A procedure, with recommended changes, will adequately protect any freshwater sands in this well bore.
- Dakota perms 6416' – 6612'.

Reference Well:

1) **Formation Tops**
Same

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 72362

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 72362
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	1/14/2022
kpickford	Adhere to BLM approved plugs and COAs. See GEO Report	1/14/2022