

Well Name: JAMES RANCH 21 UNIT SWD	Well Location: T22S / R30E / SEC 21 / SENE / 32.3808098 / -103.8838425	County or Parish/State: EDDY / NM
Well Number: 1	Type of Well: INJECTION - ENHANCED RECOVERY	Allottee or Tribe Name:
Lease Number: NMNM06808	Unit or CA Name: JAMES RANCH UNIT	Unit or CA Number: NMNM70965X
US Well Number: 3001541074	Operator: XTO PERMIAN OPERATING LLC	

Notice of Intent

Sundry ID: 2863891

Type of Submission: Notice of Intent	Type of Action: Workover Operations
Date Sundry Submitted: 07/17/2025	Time Sundry Submitted: 12:46
Date proposed operation will begin: 08/15/2025	

Procedure Description: XTO Permian Operating LLC respectfully submits this Notice of Intent to preform a workover on the above mentioned well. Please see attached procedure, WBD, and proposed WBD. This sundry will be simultaneously submitted to NMOCD for expedited approval so that XTO can add to their rig list as soon as possible. XTO will also await both BLM and NMOCD approvals prior to commencement of workover operations.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

JRU_021_Federal_001_SWD_Repair_SWD_WO_Procedure_20250717124303.pdf

Received by OCD: 7/17/2025 12:54:22 PM

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US Well Number: 3001541074	Operator: XTO PERMIAN OPERATING LLC	

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: KRISTEN HOUSTON	Signed on: JUL 17, 2025 12:43 PM
Name: XTO PERMIAN OPERATING LLC	
Title: Regulatory Analyst	
Street Address: 6401 HOLIDAY HILL ROAD BLDG 5	
City: MIDLAND	State: TX
Phone: (432) 620-6700	
Email address: KRISTEN.HOUSTON@EXXONMOBIL.COM	

Field

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

OBJECTIVE: Repair tubing/packer/casing leak and return well on injection

MASIP: 500 psi **MASP:** <3000 psi **Class C** (1000-3000 psi) **BOP Required**

WO NOTES:

- Preliminary diagnosis indicates well to likely have casing leak (likely liner top leak) vs tubing/packer leak (likely but not confirmed)
- Existing tubing was installed in January 2022 and has KC coupling. Depending on visual inspection of tubing pins, the tubing may be sent in for inspection and future reuse
- Tubing and casing have 396 psi and 200 psi with ~9.15# fluid level expected to be at the surface
- 10 PPG KWF will result in 280 psi over-balance over the estimated reservoir pressure of 7652 psi
- Packer was set at 15,176' (77' above Production liner shoes) with reference to KB-GL being 26' above ground level
- Proposed the same size tubing design - 4-1/2" 13.5# BTC TK15XT with KC Coupling
- New packer BHA may be required if existing packer failed
- Plan to use 3-1/2" PH6 work string. 4-1/2" PH6 work string will be needed if a liner top seal assembly and packoff are needed

PROCEDURE:

1. MIRU WO rig and support equipment
2. Bleed any casing gas and monitor the rate of pressure buildup
3. MIRU WLU. RIH CCL+GR and tubing perforator. Shoot holes above packer
 - Record tubing and casing pressure immediately before and after perforating
 - Should GR not able to clear tubing to packer, pump 5000 Gallon 15% inhibited acid and spotting the acid across the packer for at least 15 minutes before flushing 1.25 tubing volume.
4. Flush tubing with 282 BBL of 10 PPG KWF
 - 226 BBL tubing capacity + Excess
5. Flush the casing with 725 BBL of 10 PPG KWF. Monitor pressure buildup
 - Tubing X Casing annulus capacity of 533 BBLS + 47 BBL csg capacity below the packer + 25% Excess = 725 BBL
6. Install BPV and ND injection tree
 - Inspect tubing hanger thread condition to determine whether a spear will be needed or new hanger is needed. Take photos for documentation
 - NOTE – Vault H512434-1, tbghgr, vpc, T-EN-CCL, 11" x 4.5" BTC box btm and top, w/4" HBPV THD & 2 1/4" CCL ports, 17-4PH SS)
 - A new set of hanger and adapter was placed with Sonic just in case a new set is needed
 - Send in tree, hanger, and adapter to Sonic WH (Jeff Barnett) for testing and repair
7. NU 5K Class C BOPs with VBR for 3-1/2" to 4-1/2" and Annular. Test according to the Completion and Well Work Standard Operating Procedures
8. Pick up and conduct 40 pts over-pull over string weight. Relax over-pull after 15 minutes pull test
 - Tubing string air weight is **205 Klbs**, BW with **10 ppg fluid is 174 Klbs**.

- Ensure rig floor and location are cleared and personnels are in safe area while conducting the pull test on tubing
 - 40pts overpull (245 pts total) at surface is approximately 58% of 13.5# P110 pipe
 - Tubing was set with 35 Klbs compression (Pick up and drop down to attempt checking the initial weight of ~160 Klbs - Do not trust this figure with certainty)
 - NOTE: The 17-4 SS hanger is relatively new and should be good condition. However, it is recommended to have a contingency plan of using casing spear
9. Pick up in steps of 1-4 pts over-pull, rotate 8-10 rounds to release from packer. Gradually making step increase on over-pull until successful releasing from packer (225Klbs max)
- NOTE: Line scale registered 160 Klbs (w/ block weight) with 35 Klbs on packer. Push and pull test show 15 pts over and under. Buoyancy weight has been higher based on recent experience
 - If unable to release from packer, RU WLU. Make GR and tubing free point (and possibly stuck pipe log). RIH CCL with radial cutting tool to cut pipe body just above packer (Further guidance to be provided and be based on free-point and CCL). Ensure the **tubing in tension** when making cut
10. TOH & LD 4.5' tubing string. Send tubing string to scrap/inspection per procurement instruction
- Visually inspect pins for IPC damage while TOO. Take photos for documentation
NOTE: The existing tubing is one of the earliest KC coupling applications. There is heightened interest in gathering and documenting the coupling condition
 - Visually inspect tubing for any scale. If scale is found, contact ChampionX reps for sampling and discuss with Ops Engr to determine the need of injectivity test
Inspect elastomer seals of anchor latch for signs of damage when surface
 - NOTE: If pipe cutting performed, and depend on how high above the packer the cut is made, decision may be made to RU overshot and 4-1/2" basket grapple with jar to attempt to rotate and release the latch seal assembly from the packer
11. MU Baker's dummy seal assembly. RIH and sting into packer
12. PT casing and packer to 1500 psi for 30 minutes
- If test failed, make a bit and casing scraper run for 7" casing. TIH 7" RBP/Service Packer combo. Set RBP above packer and pressure test the casing to 1500 psi. Use the 9-5/8" service packer to determine leak point as necessary
 - If failure is determined in casing or liner top, evaluation will be done to install liner top packoff (4-1/2" PH6 WS will be needed), perform cement squeeze, or suspend the operation
 - If packer failure is determined, the base plan is to mill/pull the existing packer and set a new Baker packer if there is no significant hiccup on WO execution. Make an additional trip to mill/pull the existing packer. If well conditions make it challenging to mill/pull the existing packer. A new packer may be set above the existing packer. No pump-out plug nor rupture disk will be run with new packer if the well remains static with 10 PPG
 - **NOTE: Current packer set 15,176 ft-MD, NMOCD requires packer set within 100' of open-hole which starts at 15,252 ft-MD**
13. MIRU acid unit, pressure test line, establish injection rate down casing. Bullhead 20,000 Gallons of emulsified blend acid of 90%/10% of 15% HCl and Xylene at highest rate possible (~10 BPM) while keeping treating pressure below 3000 psi

- Pumping acid down casing should be considered if it aids packer retrieval
 - Decision will be made based on injectivity degradation review and deposit in tubing
14. Displace acid with treated packer KWF
- Used tubing/casing capacity (whichever applied) +~25% excess
15. TIH attached Baker design latch assembly 4.5" tubing and latch into packer. **ENSURE TUBOSCOPE REP IS ON SITE WHILE TIH NEW PIPE**
- Tubing Specs: 4-1/2" 13.5# L80 BTC w/ TK 15XT coating and KC Coupling
 - X-ft Spacer Pup Joint - 4.5" 13.5# BTC Pin x Pin (Nickel coated or same IPC)
 - Baker anchor latch seal assembly (Nikel coated)
 - There is a possibility that the rig may not be able to release from the packer once latched-on. Be sure to keep an accurate pipe tally. Pickup and slack off as the tubing close to packer. Displace the annulus with packer fluid before tagging and use pup joints before approaching packer depth
16. Pump additional packer fluid (treated KWF) as necessary. Allow well to stabilize before latching into packer before spacing out and latch on packer
- Land tubing with **50 pts** compression
 - Fill TCA to full if needed
17. NU tree. Pressure test void to rated working pressure and trees to 4500 psi
18. Perform preliminary MIT by pressure testing the TCA to 500 psi for 30 minutes w/ 1000# chart recorder
- Email/Text chart picture to Tom Lai, Pat Wisener, Daniel Carney, and Clint Pinson for review
 - Add chart picture to Wellview Attachment section
 - Deliver physical chart to Danny Thompson or Clint Pinson to be handed over to Frank Fuentes
 - NOTE: If new packer assembly is run, PT tubing to 1500 psi and monitoring casing annulus for 30 minutes before rupturing disc
19. If bust disk was ran - MIRU WLU, RIH and bust the disk
20. RDMO and turn over well to SWD Foreman (Frank Fuentes)
- NOTE: Frank Fuentes will notify NMOCD of MIT at least 24 hrs before conducting an official MIT. The well will be returned on injection after obtaining necessary regulatory notifications and approvals.



Downhole Well Profile - with Schematic

Well Name: James Ranch Unit 021 Fed 001 SWD

APIUWI 3001541074 Surface Location T22S-R30E-S21		SAP Cost Center ID 1629261001	Permit Number	State Province New Mexico	County Eddy	
Spud Date 1/6/2014 09:00		Original KB Elevation (ft) 3,191.00	Ground Elevation (ft) 3,165.00	KB-Ground Distance (ft) 26.00		Surface Casing Flange Elevatio...

Wellbores															
Wellbore Name Original Hole		Parent Wellbore Original Hole		Wellbore AP/IUWI											
Start Depth (ftKB)		Profile Type Vertical													
Section Des		Hole Sz (in)		Act. Top (ftKB)		Act Btm (ftKB)									
Conductor		30		26.0		145.0									
Surface		18 1/8		145.0		542.0									
Intermediate		14 3/4		542.0		3,540.0									
Production		12 1/4		3,540.0		11,222.0									
Liner		8 1/2		11,222.0		15,252.0									
		6		15,252.0		16,525.0									
Casing Strings															
Csg Des		Set Depth (ftKB)		OD (in)		Wt/Len (lb/ft)		Grade							
Conductor		145.0		20		94.00		K-55							
Surface		540.0		16		84.00		J-55							
Intermediate 1		3,535.0		13 3/8		68.00		HCL-80							
Intermediate 2		11,216.0		9 5/8		53.50		HOP-110							
Intermediate 3		15,252.0		7		32.00		P-110							
Cement															
Des		Type		Start Date		Top (ftKB)		Btm (ftKB)							
Surface Casing Cement		Casing		1/9/2014		100.0		540.0							
Surface Casing Cement		Casing		1/9/2014		30.5		100.0							
Intermediate Casing Cement		Casing		1/29/2014		488.0		3,535.0							
Intermediate Casing Cement		Casing		1/29/2014		26.0		488.0							
Intermediate Casing Cement		Casing		3/9/2014		5,534.0		11,216.0							
Intermediate Casing Cement		Casing		3/9/2014		26.0		5,534.0							
Intermediate Casing Cement		Casing		4/2/2014		10,669.0		15,252.0							
Tubing Strings															
Tubing Description Tubing - Injection		Run Date 1/16/2022		Set Depth (ftKB) 15,195.8											
Item Des		OD (in)		Wt (lb/ft)		Jts		Grade		Len (ft)		Top (ftKB)		Btm (ftKB)	
Tubing Hanger		7		1		0.75		26.0		26.7		26.7		26.7	
Tubing-IPC Pup jnt		4 1/2		13.50		P-110		1		5.10		31.8		31.8	
Tubing- IPC		4 1/2		13.50		P-110		1		36.80		68.6		68.6	
Tubing- IPC Pup jnt		4 1/2		13.50		P-110		1		10.00		78.6		78.6	
Tubing- IPC Pup jnt		4 1/2		13.50		P-110		1		6.10		84.7		84.7	
Tubing-IPC Pup jnt		4 1/2		13.50		P-110		1		3.80		88.5		88.5	
Tubing-IPC Pup jnt		4 1/2		13.50		P-110		1		1.80		90.3		90.3	
Tubing- IPC		4 1/2		13.50		P-110		350		15,084.00		90.3		15,174.3	
Anchor seal assembly		5.258		1		0.75		15,174.3		15,175.1		15,175.1		15,175.1	
85 FA47 PERM PKR		6 1/8		P-110		4.87		15,175.1		15,179.9		15,179.9		15,179.9	

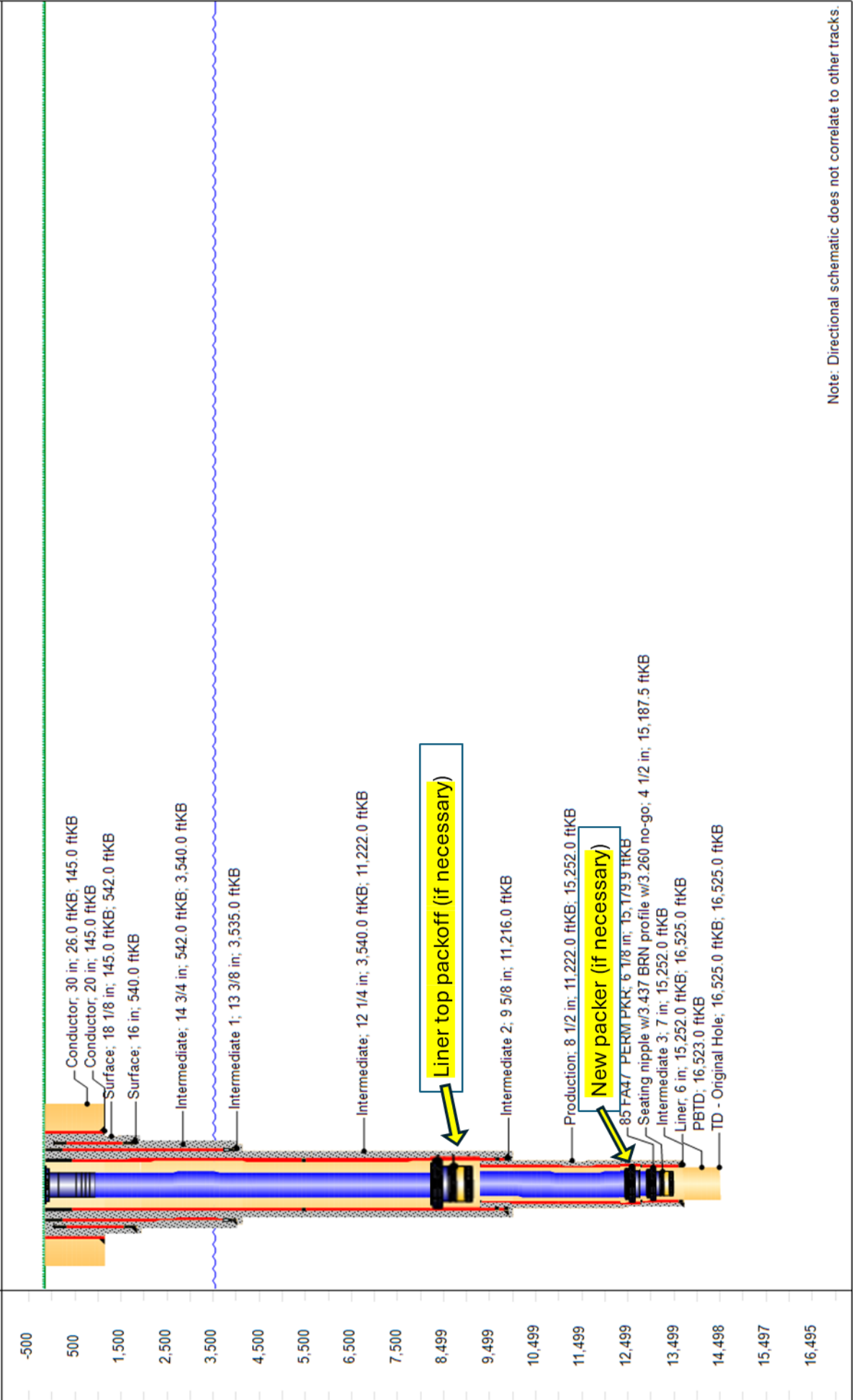


Proposed

Schematic - Directional
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Surface Location T22S-R30E-S21	Spud Date 1/6/2014 09:00	Original KB Elevation (ft) 3,191.00					

Directional schematic (actual)



Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 486094

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 486094
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
pgoetze	Accepted for record.	9/8/2025