

Well Name: J F HARRISON FEDERAL	Well Location: T25S / R30E / SEC 12 / NWNW / 32.1506231 / -103.8408064	County or Parish/State: EDDY / NM
Well Number: 1	Type of Well: INJECTION - ENHANCED RECOVERY	Allottee or Tribe Name:
Lease Number: NMNM030456	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001504749	Operator: XTO PERMIAN OPERATING LLC	

Subsequent Report

Sundry ID: 2807702

Type of Submission: Subsequent Report	Type of Action: Plug and Abandonment
Date Sundry Submitted: 08/20/2024	Time Sundry Submitted: 05:12
Date Operation Actually Began: 06/25/2020	

Actual Procedure: XTO Permian Operating LLC., has completed the P&A of the above mentioned well per the attached P&A Summary Report and WBD. A previous P&A Subsequent Sundry was submitted for work done from 6/25/2020 - 9/4/2020, then XTO monitored the well before completing the P&A. Logs also submitted.

SR Attachments

Actual Procedure

- JF_Harrison_Federal_1_SWD_DEFEC_Log_7_17_23_20240820171115.pdf
- JF_Harrison_Federal_1_SWD_LET_before_after_CCL_4_29_23_20240820171044.pdf
- JF_Harrison_Federal_1_SWD_rcbl_view_8_28_20_20240820171004.pdf
- JF_Harrison_Federal_1_SWD_CCL_6_29_19_view_20240820170941.pdf
- JF_Harrison_Federal_001_SWD_P_A_Summary_Rpt___WBD_20240820170833.pdf

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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: SHERRY MORROW

Signed on: AUG 20, 2024 05:11 PM

Name: XTO PERMIAN OPERATING LLC

Title: Regulatory Analyst

Street Address: 6401 HOLIDAY HILL ROAD BLDG 5

City: MIDLANDState: TX

Phone: (432) 218-3671

Email address: SHERRY.MORROW@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

City:State:Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: JAMES A AMOS

BLM POC Title: Acting Assistant Field Manager

BLM POC Phone: 5752345927

BLM POC Email Address: jamos@blm.gov

Disposition: Accepted

Disposition Date: 09/11/2024

Signature: James A Amos

JF Harrison 001 SWD
API 3001504749
Summary Report for P&A

2/24/23: Check well psi FT BOPE set POSI stop MIRU pulling unit and Equip. Bd surface csg in a few seconds install 2-WCV in hgr ND 5K tree FT & NU 5K 7-1/16 BOPE test Low 200 psi and high 3000 psi all test Gd w/ chart secure well and SDFWE.

2/27/23: TOH w2-3/8 tubing, Retallied tubing 22 joints, TIH, Tagged Top of CMT Retainer @ 1,340ft Spot 10.5 sacks of class c cement, TOH with 15 stands, WOC. SDFN.

2/28/23: FT BOPE. Set POSI stop TIH w/2-3/8 tbg tag Cmt @ 1265' test csg 2500 psi no bleed off. TOH RU WLU test Lub 500 psig test OK. RIH w/ spiral strip (4 shots) perf 7" 26# csg @ 1225'. POH RD EIR start @ 1000 psi, 1500 psi 2000 psi and 2500 psi w/ no injectivity. TOH RU WLU. RIH w/ spiral strip (4shots) perf csg @ 1115' POH RD WL. Attempt EIR 1000 psi, 1500 psi 2000 psi csg start bleeding off 100 psi @ 26 seconds w/ decision made by Tom LAI cont w/ step 9 setting 7" Cmt retainer (OD-5.680) @ 1190' w/ 37 jts 2-3/8" tbg. Test tbg 2000 psi while stinger in Cmt retainer test Gd attempt circulation between both of perms w/ no success. SDFN.

3/1/23: FT BOPE, space out tubing, sting into CMT retainer. Pressured up on tubing 2500 psi unable to get injection rate on lower perf. Bleed off pressure. Pump down annulus upper perms broke over @ 1,200psi able to inject 1bpm @ 1,100psi. No communication between upper and lower perf. Called Lead, POOH. SDFN.

3/2/23: FT BOPE set POSI stop TIH w/ Cmt retainer & set @ 1100'. EIR and sqz 80 sxs class G Cmt @ 1115' Sting out of retainer reverse circ cmt to pit TOH Ld 2 jts 2-3/8 tbg SDFN.

3/3/24: FT BOPE set POSI stop TOH Ld 32 jts 2-3/8 tbg RD tbg Tls ND BOPE NU 10x5 spool and 10K frac Vlv RU Sonic testers test frac Vlv low 250 psi high 4800' psi w/ chart all tests Gd. RDMO pulling unit and Cmt Equip.

4/29/23: MIRU WL unit and crane, un torque and remove night cap and make up WL flange and packoff. Renegade tech function tests 7" Local Expansion Tool. PU 5.75" GR and junk basket and RIH to 1,000' and log out correlating to CBL. Lay down GR and junk basket and pick up Renegade 7" Local Expansion Tool and RIH to 1,000' and log out correlating to CBL. RBIH to 790' to initiate expansion sequence #1, each sequence consists of 3 expansions in order of top, bottom then middle (expansions made at 789', 791', 790'). After each expansion RIH 6' to ensure tool moves freely then pull up to next expansion depth. Pull up to expansion sequence #2 depth of 680' (expansions made at 679', 681', 680'). Pull up to expansion sequence #3 depth of 560' (expansions made at 559', 561', 560'). Int casing psi increased from 270 psi to 300 psi during expansion sequences. POOH and lay down LET. ND WL flange and NU night cap. Bleed int casing to 0 psi and secure well. RDMO.

5/1/23: Bleed down intermediate from 110 psi to zero. < less than 1 minute.

7/17/23: MIRU WL unit and crane. Verify psi on production casing and intermediate casing. ND nightcap and NU 7 -1/16" 10K WL flange. Spot in vac truck and fill production casing with FW. Assemble 6 DEFEC tools and running BHA. RIH to make log pass. Correlate depths off of LET log.

Make 6 deformation runs. RIH and log out after last deformation run to re log well with deformations in casing. RDMO WL and crane. ND WL flange and NU night cap. Record all pressures on well. Shut in well.

7/18/23: SIICP-27.5 psig. SICP-0 psig. Bled psi to 0. Slight hiccup of oil & gas. Left open for 15 minutes. Shut in. Monitored for 15 minutes. Built 5 psi in 15 minutes. Secured well.

2/27/24: Check Pressures. SICP 0 psi. SICP 15 psi. Spot in Shaker Tank, Fran Tanks. Fill Tanks. Well Shut In and Secure.

2/28/24: Check Pressure. SICP 0, SIICP 15. Bled off Int in 15 seconds thru Needle Valve. ND 4-1/16" x 7" 5m Spool w/ Cap. Set Test Plug in 7" 5M Profile of Tbg Head. NU 7" 5M Dbl Gate. 7" 10 x 7" 5 X-O Spool, 7" 10K Flow Cross w/ 3-1/8" 10 Wing Valves, 7" 5M x 7" 10M DSA, and 7" 5M Annular. Pres Test (Shell) 500 psi low / 5 min and 2500 psi high / 5 min. Good Test. Shut In and Secure Well.

2/29/24: Reported Activity to BLM. Dennis Brockman at 8:30 am on 2/29/24. Begin RU Mix plant. RUSU. Problems with Winch Line. Well Shut In and Secure.

3/2/24: RIH w/ 6" Taper Mill, 3-1/2" Pup Jt, 6" x 8" Section Mill, X-Over, Jet Sub, 3-1/2" Pup Jt, 1) 4-3/4" DC, 6" String Mill, 6) 4-3/4" DC, X-Over, 3-1/2" PH6 Tbg Sub. RIH w/ 29 jts 3-1/2" PH6 to Tag Btm at 1119'. RU to Circ w/ wash nipple. Pump 500-600 psi and locate 3) 7" Csg Cplgs. Well Shut In and Secure.

3/3/24: Set and Test CoFo. Good. PU Jt #25. Single out Drlg Line. RU Swivel. Set CoFo again. Test Good. RU Drlg Equip. Hold Point. Establish Parameters, Establish Circ. Spot Section Mill Knives at 996'. Begin Milling Section out of 7" Csg. Mill From 996' (17' in #25) to 1014' w/ 4' pup jt in. Circ well clean. Well Shut in and Secure.

3/4/24: Est Circ. Cont Mill out csg w/ Section Mill 1014' down to 1028' w/ 25 jts, 10', 6' x 3-1/2" PH6 tbg in hole. Circ Clean. Pooh w/ Swivel. LD 8', 10', and Jt 25. Worked Section Mill up int 7" Csg. RD Pwr Swivel. Pooh w/ 25) 3-1/2" PH6 Tbg and 7) 4-3/4" DC. Knives of Section Mill did not indicate good cut on csg. Line up tools for am. Well Shut In and Secure.

3/5/24: MU Bha w/#2 Section Mill Assy of-- (Function Test Section Mill. 5 BPM at 600 psi). Rih w. 24 jts 3-1/2" PH6 Tbg. RU Pwr Swivel. Secure Well.

3/6/24: Pump 8.3 bpm at 1200 psi. Dress out Window. Clean 996' - 1026'. Had Light torque 1026' - 1028'. Have 25 jts in and 10', 8' tbg Subs. Circ Clean. Pull up into 7" csg w/o issue. LD Subs and #25. RD Pwr Swivel Pooh. Good marks on Section Mill indicating square on csg Stump. MU 6" x 12" Under Reamer. (Function Test 5 bpm at 600 psi), 6) 4-3/4" DC. Rih w/ Tbg. RU Pwr Swivel. Est Circ Parameters. Ream out csg from 998' to 1026' w/ 26 jts in. Circ Clean. Pull up into 7" csg. RD Pwr Swivel. Pressure up on well to 500 psi. David Mervine with BLM at location today. Well Shut In and Secure.

3/7/24: Pooh w/ 25 jts tbg and LD Bha. Under Reamer in Good Condition. Rih w/ WLRG, X-O's on 33 jts 3-1/2" PH6. EOT at 1032'. Circ out Gel Wtr w/ FW. MIRU Acid Tech. Pump 500 gal 15% HCL. Spot across Window. Pres Up on Well attempting to push HCL into csg above and below Window. Would lose 1 lb per 1 min. No Change after 1.5 Hr. Flush HCL back and forth across window. Circ out HCL. Flush wellbore w/ Soda Ash slug. Flush back and Forth across Window. Circ out w/ FW. Put 500 psi on csg. SWIFN.

3/8/24: SICP 275 psi (Lost 300 psi). SIICP 4 psi (Gained 2 psi). Report Pressures to Engineer. Discussed on phone w/David Mervine with BLM. Decision made to monitor well thru weekend. Secure Location.

3/11/24: Check well and Report Finding. Received word to RDMO. LD 33 jts 3-1/2" Tbg. ND Bop. RD Floor and Tbg Equip. NU Night Cap. Clean Tanks. Well Secure. Monitor Well.

7/19/24: MIRU.

7/22/24: NU FT PT BOP. Blinds and pipes tested to 4000 psi and held good for 10 minutes. Charted. Lows for 275 for 10 minutes and charted.

7/23/24: Make up BHA (BP jet sub 14.66') TIH 31 jnts and 1 10' sub. Tagged stump @ 1029'. Jetted csg cutout. Worked tbg up and down while turned a qtr at a time. 100 bbls. 1-2 bpm 1500 psi. From 1004' to 1032'. Jetted csg cutout. Worked tbg up and down while turned a qtr at a time. 100 bbls. 1-2 bpm 1500 psi. TOH std back 30 jnts. LD 1 jnt, 1 10' sub and BHA. SDFN.

7/24/24: Monitor for bubbles. TIH. Inflatable pkr, 30 jnts, 2 ea 10' subs and 1 - 4' sub. Bottom of the pkr @ 1023'. Loaded w/6 bbls FW. Dropped the ball and chased ball down to the seat. Topped off to eliminate the air. Made up pump in t. Pressured up in 500 psi increments every 10 minutes. 500 and attempted anchor test at 1000 psi. We had movement with indication that it was anchored to csg. Continued pressuring up to 1500 psi and held at that pressure for 90 minutes. Attempted another anchor test w/ indication that it was not anchored. At this point Baker hand called his field engineer. Baker engineer spoke with XOM engineer and it was decided to bring psi up to 2100 and hold for 30 minutes to see if stinger would shear off of pkr. Stinger did not shear off. Called Baker and XOM engineers and it was decided to work the pkr up and down a foot to shear from the disconnect. Worked it for 30- 40 minutes with no success. Made calls to Baker and XOM engineers and the decision was made to drop the .75 ball in an attempt to come off the stinger. Dropped ball and waited 10 minutes for ball to seat on disconnect. Pressured up to 1400 psi and it would not disconnect. Released psi and repeated 8 times. Brought psi up to 2000 and it disconnected after the fourth attempt. When it disconnected, we got good return to the pit. First motion up to get a weight indication (6 pts). Made up a 6' jnt to attempt and tag the pkr. Went down and did not tag. LD the 6' jnt and picked up a single. Went down and lightly tagged @ 1027'. At that point we called Baker and XOM engineers and were told to TOH and inspect stinger. TOH. Ld 1 single, 1 4' sub and 2 ea 10' subs. Std back 30 jnts. LD BHA. And inspected BHA. Found it to be a good shape. SDFN.

7/25/24: TIH 31 jnts plus 24'. Tag @ 1027'. Circulate 48 bbls 10# brine mixed w/10 sks Salt Gel. Spot 41 sks Class C CMT (FW mix 6.25, Slurry Vol. 9.63 bbls, FOF 156', CTOC 871') Displaced with 5 bbls 10# brine. LD 1 jnt 2-7/8 L80 tbg. STD back 30 jnts. Shut in BOP and put 500 psi over CMT. WOC. TIH 27 jnts and tag w/12' out. TTOC @ 861'. Witnessed by Roberta Thompson w/BLM. TOH stand back 27 jnts. Load hole and attached bubblers to csg. Monitor for an hour. SDFN.

7/26/24: RD Work floor. ND BOP. RU work floor. TIH 19 jnts 2-7/8 L80 tbg. Spot CMT to surface. (99 sks Class C CMT (15 bbls FW mix). Good CMT to surface. Wash up pump to pit. TOH LD 19 jnts 2-7/8 L80 tbg. RDMO PU and aux equipment.

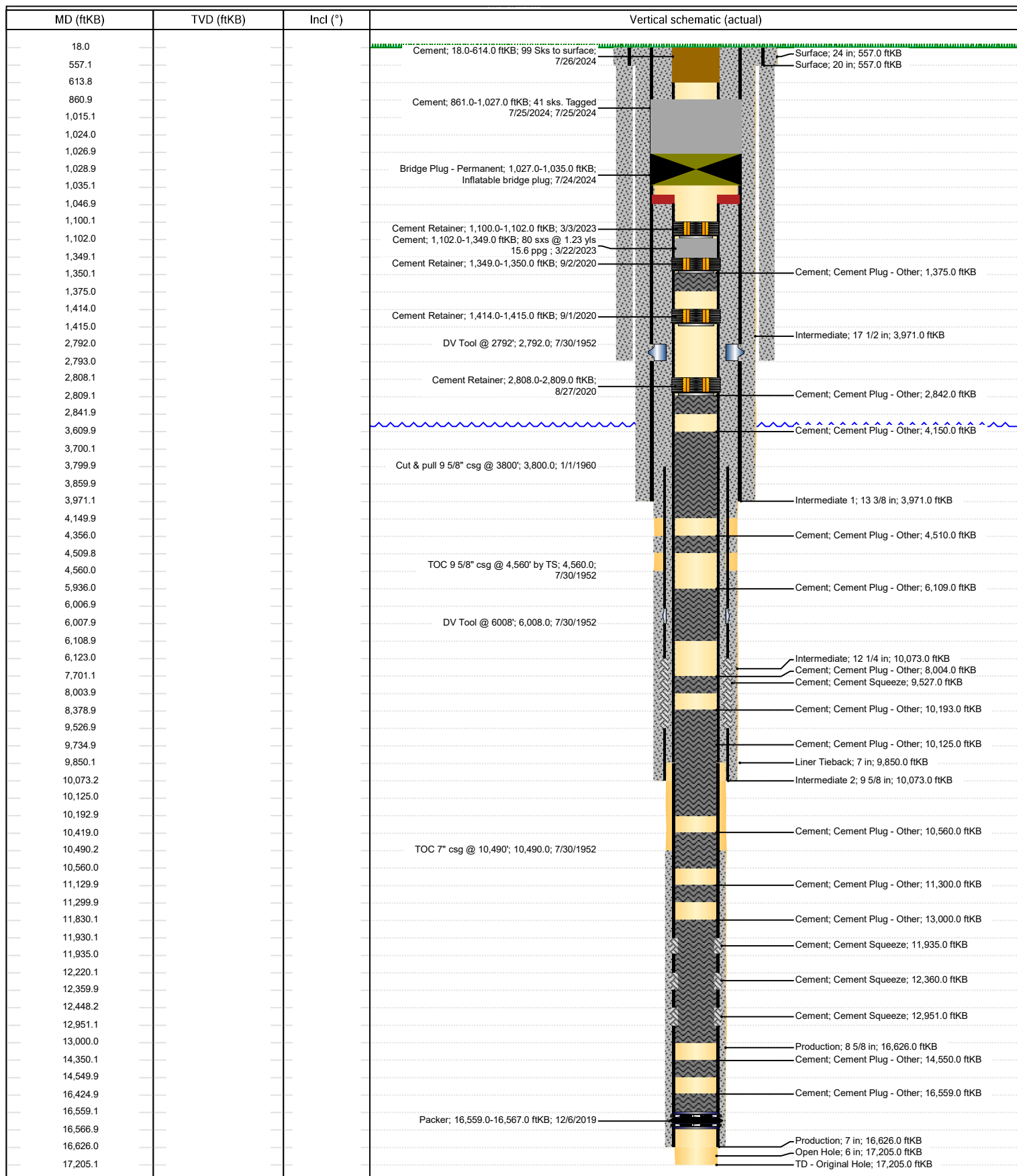
8/15/24: WH cut off and DHM set.



Schematic - Vertical without Perfs

Well Name: JF Harrison Federal 001 SWD

API/UWI 3001504749	SAP Cost Center ID 1628501001	Permit Number BLM	State/Province New Mexico	County Eddy
Surface Location T25S-R30E-S12	Spud Date 5/9/2011 18:30	Original KB Elevation (ft) 3,396.00	Ground Elevation (ft) 3,378.00	KB-Ground Distance (ft) 18.00



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 395369

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 395369
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
kfortner	Federal well follow BLM guidelines CBL in files DHM set 8/15/24	10/30/2024