

Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

RUSH

WELL API NO.
5. Indicate Type of Lease
STATE [ ] FEE [ ]
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name
8. Well Number
9. OGRID Number
10. Pool name or Wildcat
11. Elevation (Show whether DR, RKB, RT, GR, etc.)

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)
1. Type of Well: Oil Well [ ] Gas Well [ ] Other [ ]
2. Name of Operator
3. Address of Operator
4. Well Location
Unit Letter \_\_\_\_\_ : \_\_\_\_\_ feet from the \_\_\_\_\_ line and \_\_\_\_\_ feet from the \_\_\_\_\_ line
Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_ NMPM \_\_\_\_\_ County \_\_\_\_\_

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK [ ] PLUG AND ABANDON [ ]
TEMPORARILY ABANDON [ ] CHANGE PLANS [ ]
PULL OR ALTER CASING [ ] MULTIPLE COMPL [ ]
DOWNHOLE COMMINGLE [ ]
CLOSED-LOOP SYSTEM [ ]
OTHER: [ ]
SUBSEQUENT REPORT OF:
REMEDIAL WORK [ ] ALTERING CASING [ ]
COMMENCE DRILLING OPNS. [ ] P AND A [ ]
CASING/CEMENT JOB [ ]
OTHER: [ ]

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Spud Date: [ ]

Rig Release Date: [ ]

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: [Kristen Houston] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Type or print name \_\_\_\_\_ E-mail address: \_\_\_\_\_ PHONE: \_\_\_\_\_

For State Use Only

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any):

**OBJECTIVE:** Replace tubing, restimulate, and return well on injection

**MASIP:** 600 psi

**MAOP:**1500 psi (during testing only)

**Class B BOP Required**

**WO NOTES:**

- Tubing and casing are 485 psi and 238 psi respectively with the fluid levels expected to be at or near the surface
- Top of Packer BHA was set at 15,511' (94' above Production CSG shoes) with reference to KB-GL being 22.5'
- Plan tapered tubing design (5-1/2" 17# BTC P110 and 4-1/2" 13.5# BTC P110 w/ TK15XT coating and KC Coupling)
- New packer BHA will be contingent should existing packer assembly failed to pressure test and failed to retrieve to surface
- Existing tubing will be laid down and sent back to yard for inspection and recoating

**PROCEDURE:**

1. MIRU WO rig and support equipment
2. MIRU WLU. RIH CCL+GR and tubing perforator. Shoot holes above packer
  - Record tubing and casing pressure immediately before and after perforating
3. Flush Tubing and Tubing-Casing Annulus with 10# KWF
  - Tubing Capacity (to Pkr) \*1.25 – 400 BBLS
  - Tubing X Casing Annulus Capacity + openhole \*1.25 - 725 BBLS
4. ND injection tree
  - Inspect tubing hanger thread condition. Take photos for documentation
  - Tubing Hanger specs: T-EN, 7, 11 X 5-1/2 BC BOX BTM AND TOP, W/5 HBPV THD.
  - A casing spear should be considered should landing thread compromised
5. NU 10K x 5K DSA, 5K Class B BOPs with VBR 3-1/2" to 5-1/2". Test according to the Completion and Well Work Standard Operating Procedures
6. Straight pull 20 pts over-pull (test pulling tubing)
7. Slack back ~5 pts over-pull, rotate 8-10 round to release from BWR Packer
  - Tubing string air weight is 246.4 **K lbs**, calculated buoyancy weight with **10 ppg fluid is 209 K lbs**.
  - Final Pick up was 225K and Final slackoff was 205K. Tubing was hanged with 30K compression on packer
  - If unable to release from packer, RU WLU. Make GR and tubing free point. RIH CCL with radial cutting tool to cut pipe body above packer (Further guidance to be provide base on free-point and CCL). Ensure the **tubing in tension** when making cut

NOTE: It is highly recommend to have casing spear and WLU (with tubing cutter and freepoint tool) on location as contingencies for bad tubing hanger threads and the lack of success rotating out from the packer

8. TOH & LD 5-1/2" & 4.5" tapered tubing string. Send tubing string to TurboScope for inspection
  - Visually inspect pins for IPC damage while TOOH. Take photos for documentation
  - 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 pulled and send to Halliburton
  - If pipe cutting performed, RU overshot and 4-1/2" basket grapple with 3-1/2" working. Rotate and release from packer. Pull out and LD the remaining 4-1/2" tubing
9. MU dummy seal assembly. RIH and sting into packer
10. PT casing and packer to 1500 psi for 30 minutes
  - If test failed, MIRU BLU and make GR. TIH 7" RBP/Service Packer combo. Set RBP above packer and pressure test casing to 1500 psi. Use the service packer to determine leak point as necessary
  - It expected that the liner top to allow very minor gas to percolate up the surface based on surface pressure build overtime
  - If failure is determined in casing or liner top, evaluation will be done to either perform a cement squeeze or suspend the operation
  - If failure is determined on the packer, attempt will be made to remove the existing packer. **Current packer BHP top is 15,511 ft-MD. NMOCD requires packer set within 100' of openhole which starts at 15,605 ft-MD.** Regulatory exception will be required to set packer above 15505 ft-MD
11. MIRU acid transport truck and pump unit (Jose Romero - Acid Tech - 432-266-2243, romero@acidtechservices.com)
  - Equipment list: 4 acid transport trucks, 1 quintuplex pump,
  - Standard safety equipment (Shower a must)
12. Rig up to workstring. Pressure test equipment to 4500 psi. Max treating pressure during job is 3000 psi (Unlikely to reach the self-imposed limit)
13. Establish injection rate. Bullhead 20,000 Gallons of emulsified blend acid of 90%/10% of 15% HCl and Xylene at highest rate possible (~13 BPM) while keeping tubing pressure below 3000 psi
  - Be sure verify acid to monitor annulus pressure during acid treatment
14. Flush tubing with 165 bbls of KWF (30 bbl more than capacity). Once acid is flushed and displaced, shut down and monitor 5 min, 10 min, and 15 min ISIP's if well is not on a vacuum
15. POOH Workstring
16. TIH attached Baker design latch assembly w/ tapered 5-1/2" x 4.5" tubing and latch into packer. **ENSURE TUBOSCOPE REPS (or qualified specialist) IS ON SITE WHILE TIH NEW PIPE**
  - Tubing Specs: **5-1/2" 17# BTC w/ TK15XT coating and KC Coupling & 4-1/2" 13.5# BTC w/ TK15XT coating and KC Coupling**
  - There is possibility that the rig may not be able to release from packer once latch on. Be sure to keep careful tally of pipe. Pickup and slack off as the tubing close to packer. Displace well with packer fluid before tagging and use pup joints should be considered when approaching packer depth
17. Treated 10 PPG KWF will be used for packer fluid. Allow well to stabilize before latching into packer before spacing out and latch on packer

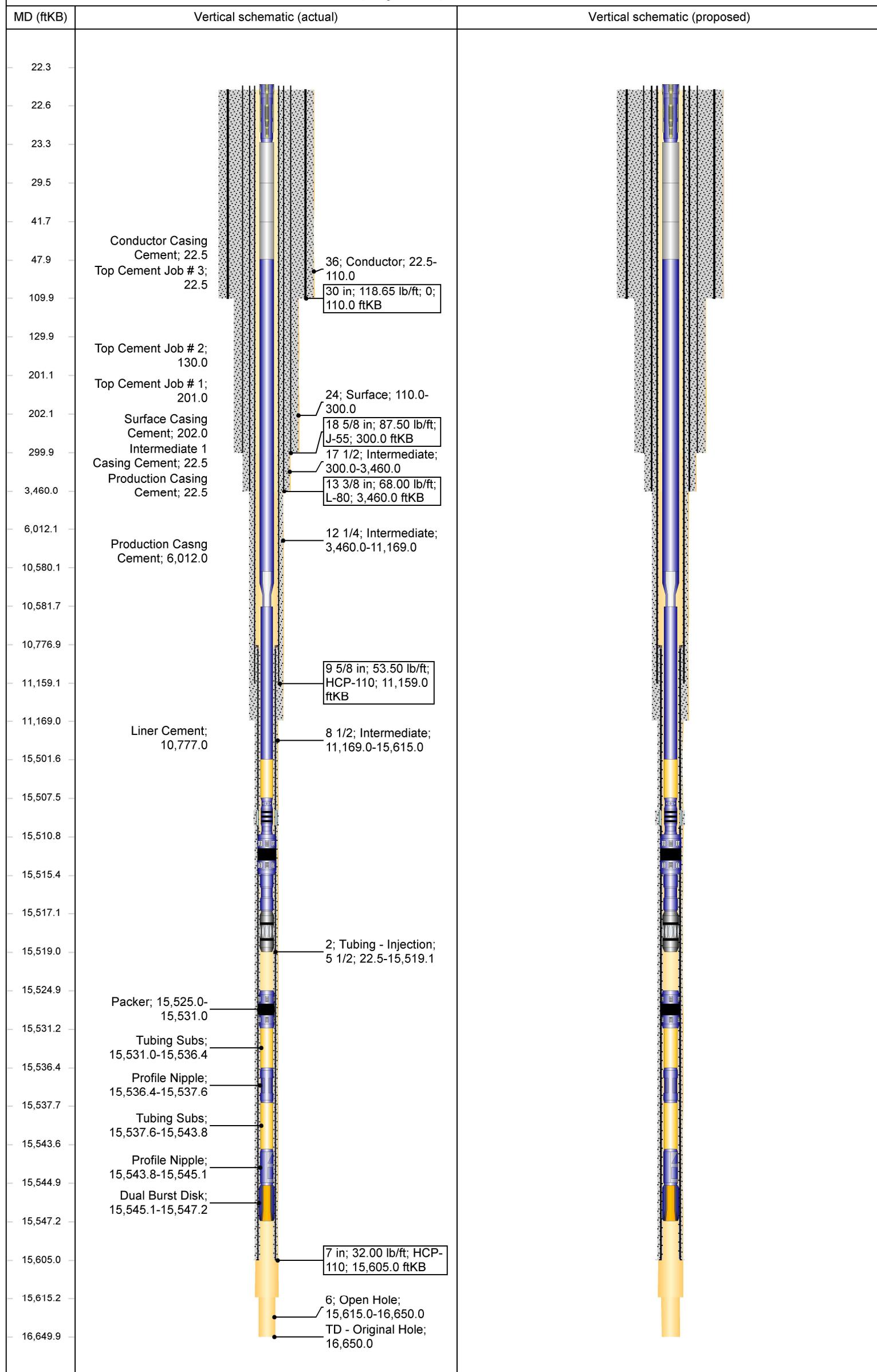
- Land tubing with 40 pts compression
  - Fill TCA to full if needed
18. NU tree. Pressure test void to rated working pressure and trees to 4500 psi
19. Perform preliminary MIT by pressure testing the TCA to 500 psi for 30 minutes w/ 1000# chart recorder
- Email chart picture to Tom Lai, Pat Wisener, Clint Pinson, and Danny Thompson
  - Add chart picture to Wellview Attachment section
  - Deliver physical chart to Clint Pinson or Danny Thompson 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
20. RDMO and turn over well to SWD Team (Sunanda Seshan and Frank Fuentes to RWTI)
- **NOTE:** Frank Fuentes will notify NMOCD of MIT at least 24 hrs before conducting an official MIT and returning the well on injection



Schematic - Vertical - Proposed

Well Name: Poker Lake Unit 32 Platy State SWD 001

Vertical, Original Hole, 1/28/2024 8:00:49 PM

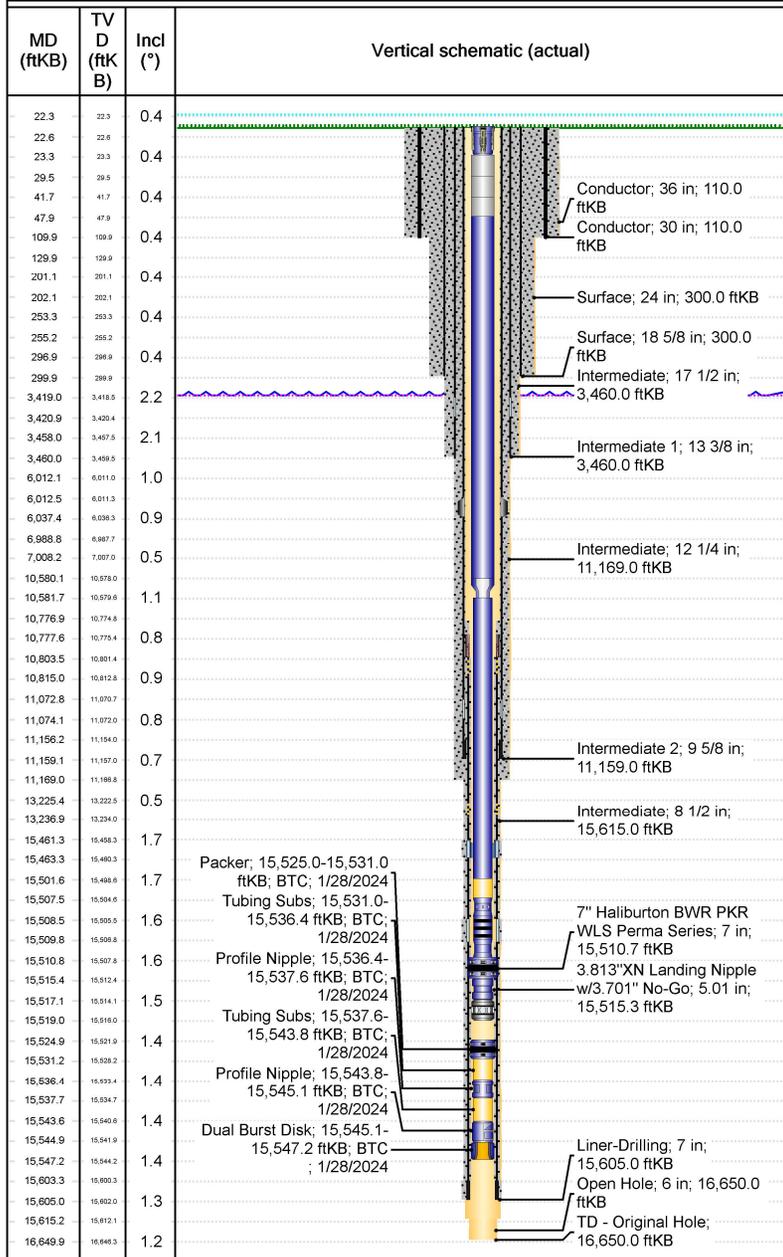




## Downhole Well Profile - with Schematic

### Well Name: Poker Lake Unit 32 Platy State SWD 001

API/UWI 3001546256	SAP Cost Center ID 2199131001	Permit Number 326088	State/Province New Mexico	County Eddy	Ground Elevation (ft) 3,245.00	KB-Ground Distance (ft) 22.50	Surface Casing Flange Elevatio... -1.20
Surface Location T23S-R30E-S32			Spud Date 11/16/2019 22:00	Original KB Elevation (ft) 3,267.50			



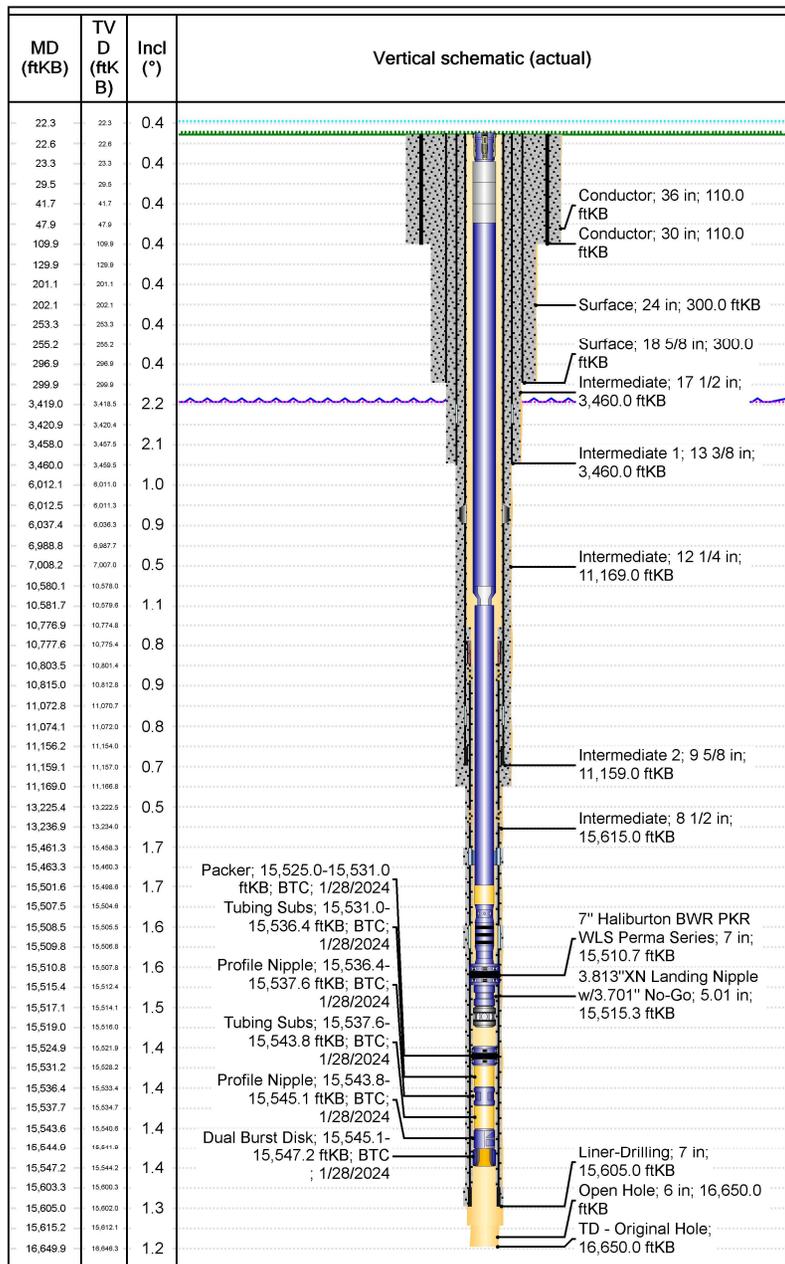
Wellbores							
Wellbore Name	Parent Wellbore	Wellbore API/UWI					
Original Hole	Original Hole	3001546256					
Start Depth (ftKB)	Profile Type						
22.5	Vertical						
Section Des	Hole Sz (in)	Act Top (ftKB)	Act Btm (ftKB)				
Conductor	36	22.5	110.0				
Surface	24	110.0	300.0				
Intermediate	17 1/2	300.0	3,460.0				
Intermediate	12 1/4	3,460.0	11,169.0				
Intermediate	8 1/2	11,169.0	15,615.0				
Open Hole	6	15,615.0	16,650.0				
Casing Strings							
Csg Des	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade			
Conductor	110.0	30	118.65	0			
Surface	300.0	18 5/8	87.50	J-55			
Intermediate 1	3,460.0	13 3/8	68.00	L-80			
Intermediate 2	11,159.0	9 5/8	53.50	HCP-110			
Liner-Drilling	15,605.0	7	32.00	HCP-110			
Cement							
Des	Type	String					
Conductor Casing Cement	Casing	Conductor, 110.0ftKB					
Surface Casing Cement	Casing	Surface, 300.0ftKB					
Intermediate 1 Casing Cement	Casing	Intermediate 1, 3,460.0ftKB					
Intermediate 2 Casing Cement	Casing	Intermediate 2, 11,159.0ftKB					
Liner Cement	Casing	Liner-Drilling, 15,605.0ftKB					
Tubing Strings							
Tubing Description	Run Date	Set Depth (ftKB)					
Tubing - Injection	12/13/2021	15,519.1					
Item Des	OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing Hanger	5 1/2	17.00	HCP-110	1	0.80	22.5	23.3
Tubing Pup Joint (bucked on to hanger)	5 1/2	17.00	HCP-110	1	6.40	23.3	29.7
Tubing Pup Joint	5 1/2	17.00	HCP-110	1	12.06	29.7	41.7
Tubing Pup Joint	5 1/2	17.00	HCP-110	1	6.07	41.7	47.8
Tubing	5 1/2	17.00	HCP-110	258	10,532.42	47.8	10,580.2
4-1/2 X 5-1/2 XO	5 1/2	17.00	HCP-110	1	1.60	10,580.2	10,581.8
Tubing	4 1/2	13.50	HCP-110	114	4,919.71	10,581.8	15,501.5
Pup Joint	4 1/2	13.50	HCP-110	1	6.02	15,501.5	15,507.5
Seal Assembly	4 1/2	13.50	HCP-110	1	3.15	15,507.5	15,510.7
7" Haliburton BWR PKR WLS Perma Series	7			1	4.62	15,510.7	15,515.3
3.813"XN Landing Nipple w/3.701" No-Go	5.008	13.50		1	1.68	15,515.3	15,517.0
Magnum Dual Ceramic Disk	5.492	13.50		1	2.12	15,517.0	15,519.1
Mule shoe							



## Downhole Well Profile - with Schematic

**Well Name: Poker Lake Unit 32 Platy State SWD 001**

API/UWI 3001546256	SAP Cost Center ID 2199131001	Permit Number 326088	State/Province New Mexico	County Eddy	
Surface Location T23S-R30E-S32	Spud Date 11/16/2019 22:00	Original KB Elevation (ft) 3,267.50	Ground Elevation (ft) 3,245.00	KB-Ground Distance (ft) 22.50	Surface Casing Flange Elevatio... -1.20



Other In Hole					
Run Date	Des	OD (in)	Top (ftKB)	Btm (ftKB)	
1/28/2024	Packer	5.8	15,525.0	15,531.0	
1/28/2024	Dual Burst Disk	5.61	15,545.1	15,547.2	
1/28/2024	Tubing Subs	4 1/2	15,531.0	15,536.4	
1/28/2024	Profile Nipple	5	15,543.8	15,545.1	
1/28/2024	Tubing Subs	4 1/2	15,537.6	15,543.8	
1/28/2024	Profile Nipple	5	15,536.4	15,537.6	

**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 308970

**CONDITIONS**

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 308970
	Action Type: [C-103] NOI Workover (C-103G)

**CONDITIONS**

Created By	Condition	Condition Date
mgebremichael	If tubing replacement is required, the new tubing shall be the same size as stipulated in the respective order and the packer shall not be set not more than 100 ft from the top of the injection interval or top of perforation.	1/29/2024