

Well Name: POKER LAKE UNIT	Well Location: T24S / R30E / SEC 7 / SESW /	County or Parish/State: EDDY / NM
Well Number: 204	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC068545	Unit or CA Name: POKER LAKE DELAWARE C	Unit or CA Number: NMNM71016G
US Well Number: 3001532928	Well Status: Temporarily Abandoned	Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Type of Submission: Notice of Intent	Type of Action Recompletion
Date Sundry Submitted: 07/20/2021	Time Sundry Submitted: 07:27
Date proposed operation will begin: 07/22/2021	
Procedure Description: PUMP SAND FRAC, & RWTP.	

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

PLU_204___Recompletion_Procedure_20210720192717.pdf

PLU_204___Proposed_Wellbore_Diagram_20210720192657.pdf

Conditions of Approval

Specialist Review

Workover_or_Vertical_Deepen_COA_20210727141551.pdf

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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: CASSIE EVANS
Signed on: JUL 20, 2021 07:27 PM
Name: XTO PERMIAN OPERATING LLC
Title: Regulatory Analyst
Street Address: 6401 Holiday Hill Road, Bldg 5
City: Midland **State:** TX
Phone: (432) 218-3671
Email address: CASSIE.EVANS@EXXONMOBIL.COM

Field Representative

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

BLM Point of Contact

BLM POC Name: Jonathon W Shepard
BLM POC Phone: 5752345972
Disposition: Approved
Signature: Jonathon Shepard
BLM POC Title: Petroleum Engineer
BLM POC Email Address: jshepard@blm.gov
Disposition Date: 07/27/2021



PLU 204
OAP & FRAC PROCEDURE
6/29/2021

- CASING:** Surface: 8-5/8" 32 # J-55 csg fr/ surf to 659'.
 Production: 5-1/2" 15.5# J-55 csg fr/ surf to 7,449'.
- EXISTING PBTD:** 6,933'
- DESIGN PBTD:** 6,933'
- EXISTING PERFS:** 7,020' – 7,040' LBC "W"
 7,276' – 7,284' Avalon Sand
 7,301' – 7,312' Avalon Sand
- CURRENT STATUS:** Inactive, Temporarily Abandoned
- WELL CLASS:** Class IV Wellbore, MASIP or MAOP is >1500 to 3,000 psig.
- OBJECTIVE:** PUMP SAND FRAC, & RWTP.
1. Set 4 - 500 bbl frac tanks. Fill each tank w/FW (Nalco to treat tanks w/Biocide prior to frac per recommendation). Frac fluids will be mixed on the fly. Total volume includes tank bottoms.
 2. Kill well with FW.
 3. MIRU PU.
 4. MI \pm 6,933' of 3-1/2", 9.3#, L-80 WS for frac & \pm 6,933' of 2-7/8", 6.5#, L-80 WS for CO.
 5. ND WH & NU BOP.
 6. RIH w/ bit & scraper w/ 2-7/8" tbg string. CO well to 6,933'. POOH LD 2-7/8" tbg string. Pressure test casing to 1,000 psi. Circulate 2% KCL.
 7. RIH w/ WL CBL to 6,900'. Correlate to OHL & perforate the following intervals using: Expendable perf guns loaded with Titan charges (22.7 gm., 0.43" EHD, 37.02" penetration).
- Note: Correlate w/ gamma gun
8. RIH w/ WL and perf intervals w/ Titan prospector charges as follows:



PLU 204
OAP & FRAC PROCEDURE
6/29/2021

Interval	UPPER, MD (ft)	LOWER, MD (ft)	SPF	# SHOTS	Phasing (DEGREES)
1	6,707	6,729	2	44	90
2	6,810	6,825	2	30	90

9. POOH w/ WL. LD w/ 2-7/8" WS
10. MI 3-1/2" WS. RIH and hydrotest w/ 5-1/2" 10K Globe Arrowset 1-X packer.
11. RU Acid Company. Pickle tbg w/ 300 gals of 7.5% NEFE HCl acid. Reverse out acid. POOH.
12. TIH w/ 5-1/2" 10K Globe Arrowset 1-X packer w/on-off tool & 2.25" frac hardened PN on 3-1/2" WS to $\pm 6,657'$. Set packer. Acidize w/ 1,500 gals of 7.5% NEFE HCl acid across perfs w/ bio balls (close production casing valve to apply pressure while spotting, stay at/under 500 psi).
13. NU frac valve. RDMO PU.
14. RU Frac Company. Hold 500 psi on backside and monitor. Frac Delaware perforations fr/ 6,707' – 6,825' down 3-1/2" tbg w/ 20# linear gel fluid system and 20/40 resin coated sand at 30 BPM & 7,500 psi (max) as per following schedule. Flush when inline density reads 3 ppg w/2,201 gals slick water (2 bbls short of top perf). Test lines to 8,500 psi. Set TBG inline relief valve @ 7,500 psi & pump kill switches @ 7,300 psi. Max pressure @ 7,500 psi. RD Frac Company.



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OAP & FRAC PROCEDURE
6/29/2021

Treatment Schedule - Stage 1												
Step Num	Fluid	Stage Type	Cln. Vol. (bbls)	Cln. Vol. (gals)	Ttl. Rate (bpm)	Prop	Cum. Prop. (lbs)	Conc. (lb/gal)	End Conc. (lb/gal)	Stg. Time (mins)	Cum. Time (mins)	Time Remaining (mins)
1	Fresh Water	Prepad	11.9	500	10.0		0	0.00	0.00	1.2	1.2	39.4
2	10% HCL	Acid - Drop 148 Balls	35.7	1,500	10.0		0	0.00	0.00	3.6	4.8	38.2
3	Fresh Water	Spacer	11.9	500	10.0		0	0.00	0.00	1.2	6.0	34.7
4		SD & Surge Balls	0.0	0	0.0		0	0.00	0.00	0.0	6.0	33.5
5	20# Linear Gel	Pad	176.2	7,400	20.0		0	0.00	0.00	8.8	14.8	33.5
6	20# Linear Gel	Slurry	47.6	2,000	20.0	20/40 Mesh Garnet	1,000	0.50	0.50	2.4	17.2	24.7
7	20# Linear Gel	Slurry	47.6	2,000	20.0	20/40 Mesh Garnet	3,000	1.00	1.00	2.5	19.7	22.2
8	20# Linear Gel	Slurry	59.5	2,500	20.0	20/40 Mesh Garnet	6,750	1.50	1.50	3.2	22.9	19.7
9	20# Linear Gel	Slurry	68.5	2,875	20.0	20/40 Mesh Garnet	12,500	2.00	2.00	3.7	26.6	16.6
10	20# Linear Gel	Slurry	71.4	3,000	20.0	20/40 Mesh Garnet	20,000	2.50	2.50	4.0	30.6	12.8
11	20# Linear Gel	Slurry	71.4	3,000	20.0	20/40 Mesh Garnet	29,000	3.00	3.00	4.1	34.6	8.9
12	20# Linear Gel	Slurry	47.6	2,000	20.0	20/40 Mesh Garnet	37,000	4.00	4.00	2.8	37.4	4.8
13	20# Linear Gel	Flush	39.8	1,672	20.0		37,000	0.00	0.00	2.0	39.4	2.0

15. Record 5, 10 and 15 min ISIP. Then flow well back for clean-up, rate, and oil/ water cut. Flow well back into frac tanks. When fluid cleans up (12-24 hrs), send fluid down the flowline until well is able to be killed using 10# BW.
16. MIRU PU. Rel packer. POOH & LD 3-1/2" tubing & packer.
17. TIH w/ mill on 2-7/8" tbg. CO sd to PBTD @ 6,933'. Circ well clean. POOH w/ 2-7/8" tbg & mill. LD mill.



PLU 204
OAP & FRAC PROCEDURE
6/29/2021

18. Install the specified Rodstar design for lift equipment design. Shoot fluid level before start-up of pumping unit.
19. RDMO PU.
20. RWTP & test well as necessary.

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description **Effective May 25, 2021**

I. Operator: _XTO Permian Operating, LLC_____ **OGRID:** _____373075_____ **Date:** _07/_30/_21_

II. Type: ☐ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☒ Other.

If Other, please describe: ___Recompleting the Well _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Poker Lake Unit 204	3001532928	Sec7-T24S-R30E	660 FSL & 1980 FWL	40	65	90

IV. Central Delivery Point Name: _

Poker Lake Unit 204 goes to the Poker Lake Unit 158 Battery.

Poker Lake Unit 207 goes to the Poker Lake Unit 213 Battery. [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Poker Lake Unit 204	3001532928	Sec7-T24S-R30E	660 FSL & 1980 FWL	40	65	90

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☐ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☐ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☒ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

If Operator checks this box, Operator will select one of the following:

Well Shut-In. ☒ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☒ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature: Cassie Evans

Printed Name: Cassie Evans

Title: Regulatory Analyst

E-mail Address: cassie.evans@exxonmobil.com

Date: 07/30/2021

Phone: 373075

OIL CONSERVATION DIVISION
(Only applicable when submitted as a standalone form)

Approved By:

Title:

Approval Date:

Conditions of Approval:

VI. Separation Equipment:

XTO Permian Operating, LLC. production tank batteries include separation equipment designed to efficiently separate gas from liquid phases to optimize gas capture based on projected and estimated volumes from the targeted pool in conjunction with the total number of wells planned to or existing within the facility. Separation equipment is upgraded prior to well being drilled or completed, if determined to be undersized or needed. The separation equipment is designed and built according to the relevant industry specifications (API Specification 12J and ASME Sec VIII Div I). Other recognized industry publications such as the Gas Processors Suppliers Association (GPSA) are referenced when designing separation equipment to optimize gas capture.

VII. Operational Practices:**1. Subsection B.**

- During drilling, flare stacks will be located a minimum of 150 feet from the nearest surface hole location. All gas is captured or combusted. If an emergency or malfunction occurs, gas will be flared or vented for public health, safety and the environment and be properly reported to the NMOCD pursuant to 19.15.27.8.G.
- Measure or estimate the volume of natural gas that is vented, flared or beneficially used during drilling, completion and production operations, regardless of the reason or authorization for such venting or flaring.
- At any point in the well life (drilling, completion, production, inactive) an audio, visual and olfactory (AVO) inspection will be performed weekly (at minimum) to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC.

2. Subsection C.

- During completion operations, operator does not produce oil or gas but maintains adequate well control through completion operations.

For emergencies, equipment malfunction, or if the operator decides to produce oil and gas during well completion:

- Flowlines will be routed for flowback fluids into a completion or storage tank and, if feasible under well conditions, flare rather than vent and commence operation of a separator as soon as it is technically feasible for a separator to function.
- Measure or estimate the volume of natural gas that is vented, flared or beneficially used during drilling, completion and production operations, regardless of the reason or authorization for such venting or flaring.
- At any point in the well life (drilling, completion, production, inactive) an audio, visual and olfactory (AVO) inspection will be performed weekly (at minimum) to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC.

3. Subsection D.

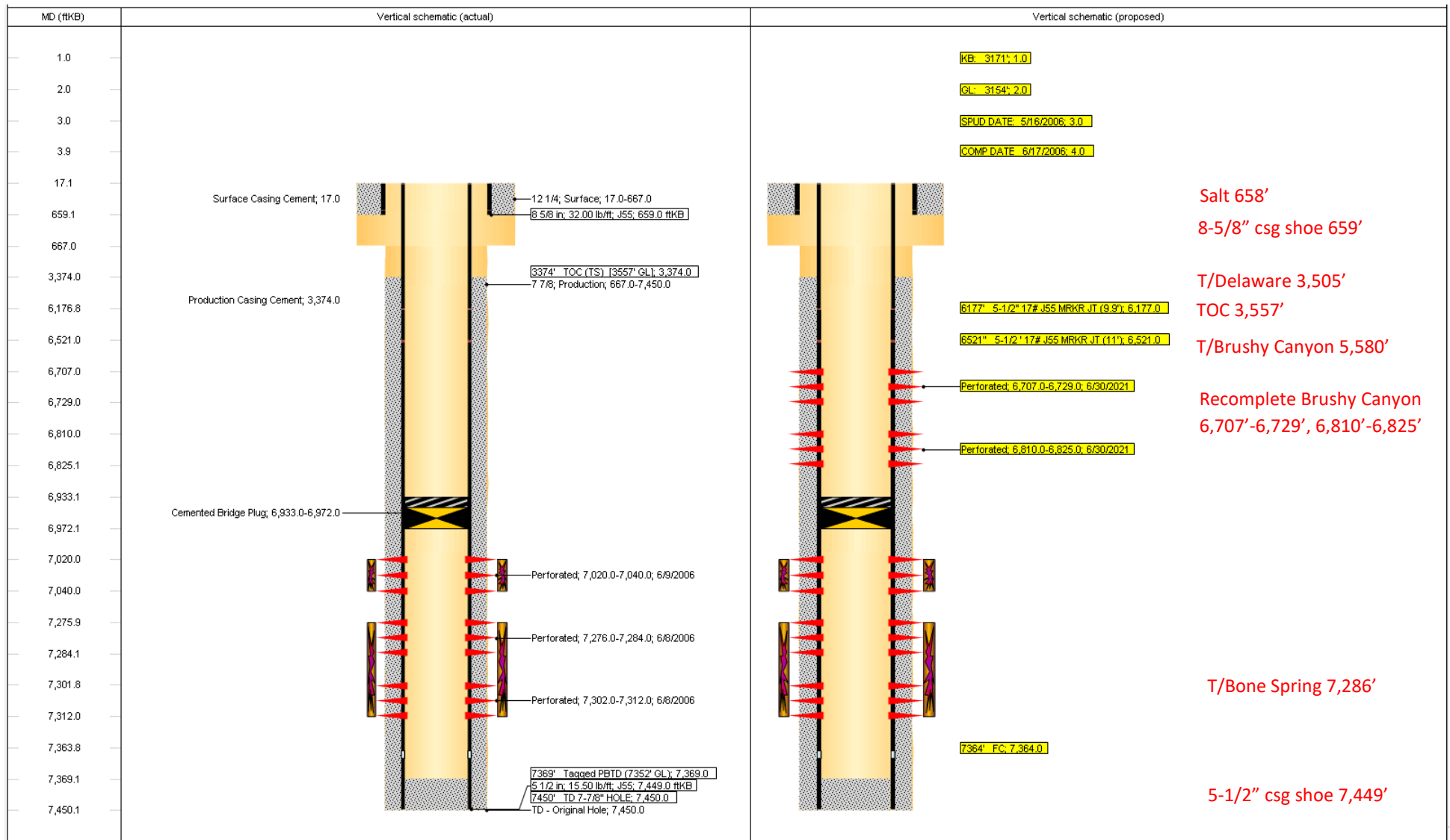
- At any point in the well life (drilling, completion, production, inactive) an audio, visual and olfactory (AVO) inspection will be performed weekly (at minimum) to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC.
- Monitor manual liquid unloading for wells on-site or in close proximity (<30 minutes' drive time), take reasonable actions to achieve a stabilized rate and pressure at the earliest practical time, and take reasonable actions to minimize venting to the maximum extent practicable.

- Measure or estimate the volume of natural gas that is vented, flared or beneficially used during drilling, completion and production operations, regardless of the reason or authorization for such venting or flaring.
- 4. Subsection E.
 - All tanks and separation equipment are designed for maximum throughput and pressure to minimize waste.
 - Flare stack was installed prior to May 25, 2021 but has been designed for proper size and combustion efficiency. Flare currently has a continuous pilot and is located more than 100 feet from any known well and storage tanks.
 - At any point in the well life (drilling, completion, production, inactive) an audio, visual and olfactory (AVO) inspection will be performed weekly (at minimum) to confirm that all production equipment is operating properly and there are no leaks or releases except as allowed in Subsection D of 19.15.27.8 NMAC.
- 5. Subsection F.
 - Measurement equipment is installed to measure the volume of natural gas flared from process piping or a flowline piped from the equipment associated with a well and facility associated with the approved application for permit to drill that has an average daily production greater than 60 mcf of natural gas.
 - Measurement equipment installed is not designed or equipped with a manifold to allow diversion of natural gas around the metering equipment, except for the sole purpose of inspecting and servicing the measurement equipment, as noted in NMAC 19.15.27.8 Subsection G.

VIII. Best Management Practices:

1. During completion operations, operator does not produce oil or gas but maintains adequate well control through completion operations.
2. Operator does not flow well (well shut in) during initial production until all flowlines, tank batteries, and oil/gas takeaway are installed, tested, and determined operational.
3. Operator equips storage tanks with an automatic gauging system to reduce venting of natural gas.
4. Operator reduces the number of blowdowns by looking for opportunities to coordinate repair and maintenance activities.
5. Operator combusts natural gas that would otherwise be vented or flared, when feasible.
6. Operator has a flare stack designed in accordance with need and to handle sufficient volume to ensure proper combustion efficiency. Flare stacks are equipped with continuous pilots and securely anchored at least 100 feet (at minimum) from storage tanks and wells.
7. Operator minimizes venting (when feasible) through pump downs of vessels and reducing time required to purge equipment before returning equipment to service.
8. Operator will shut in wells (when feasible) in the event of a takeaway disruption, emergency situation, or other operations where venting or flaring may occur due to equipment failures.

Poker Lake Unit 204 - Current and Proposed WBD's



BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Conditions of Approval for Workover/Deepening of a Well

1. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any operations. For wells in Eddy County, call 575-361-2822. For wells in Lea County, call 575-393-3612
2. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,100 feet, a 3M system for a well not deeper than 13,600 feet, or a 5M system for a well not deeper than 22,700 feet (all depths are for measured well depth).
3. Cement: Notify BLM if cement fails to circulate.
4. Subsequent Reporting: Within 30 days after work is completed, file a Subsequent Report (Form 3160-5) to BLM. The report should give in detail the manner in which the work was carried out. Show date work was completed. If producing a new zone, submit a Completion Report (Form 3160-4) with the Subsequent Report.
5. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.
6. If well location is within the Timing Limitation Stipulation Area for Lesser Prairie-Chicken: From March 1st through June 15th annually, activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted.

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

COMMENTS

Action 40214

COMMENTS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 40214
	Action Type: [C-103] NOI Recompletion (C-103E)

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO Review 8/9/2021	8/9/2021

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
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1000 Rio Brazos Rd., Aztec, NM 87410
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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 40214

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 40214
	Action Type: [C-103] NOI Recompletion (C-103E)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	8/9/2021
kpickford	Will require C-104 prior to putting well back into production.	8/9/2021