

Well Name: POKER LAKE 23 DTD FEDERAL COM	Well Location: T24S / R30E / SEC 23 / NENW /	County or Parish/State:
Well Number: 154H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM030452	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001549646	Well Status: Approved Application for Permit to Drill	Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2682435

Type of Submission: Notice of Intent

Type of Action: Other

Date Sundry Submitted: 07/15/2022

Time Sundry Submitted: 06:12

Date proposed operation will begin: 08/14/2022

Procedure Description: **Bottom hole location change, first and last take point changes XTO Permian Operating, LLC requests permission to make the following changes to the original APD: No Additional Surface Disturbance. Change BHL from 200'FNL & 2200'FWL to 200'FNL & 2090'FWL, Section 2-T24S-R30E for drilling efficiencies and operational safety. Change FTP fr/100'FSL & 2200'FWL to 100'FSL & 2090'FWL Change LTP fr/330'FNL & 2200'FWL to 330'FNL & 2090'FWL Attachments: C102 Drilling Program Directional Plan

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Poker_Lake_23_DTD_Federal_Com_154H_Attachments_20220715181128.pdf

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Conditions of Approval

Additional

Sec_23_24S_30E_NMP_2682435_Poker_Lake_Unit_23_DTD_Federal_Com_154H_Eddy_NMNM030452_COAs_2022_0810092126.pdf

Sec_23_24S_30E_NMP_2682435_Poker_Lake_Unit_23_DTD_Federal_Com_154H_Eddy_NMNM030452_XTO_13_22_44783_AM_20220810092126.pdf

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: JESSICA DOOLING	Signed on: JUL 15, 2022 06:11 PM
Name: XTO PERMIAN OPERATING LLC	
Title: Lead Regulatory Coordinator	
Street Address: 6401 HOLIDAY HILL ROAD BLDG 5	
City: MIDLAND	State: TX
Phone: (970) 796-6048	
Email address: JESSICA.DOOLING@EXXONMOBIL.COM	

Field

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

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752342234	BLM POC Email Address: cwalls@blm.gov
Disposition: Approved	Disposition Date: 08/12/2022
Signature: Chris Walls	

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015- 49646	² Pool Code 98220	³ Pool Name Purple Sage, Wolfcamp
⁴ Property Code 332954	⁵ Property Name POKER LAKE 23 DTD FEDERAL COM	
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC	⁶ Well Number 154H
		⁹ Elevation 3,428'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	23	24 S	30 E		337	NORTH	2,282	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	2	24 S	30 E		200	NORTH	2,090	WEST	EDDY

¹² Dedicated Acres 960.6	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶ SHL (NAD83 NME) LTP (NAD83 NME) Y = 440,356.3 Y = 456,184.4 X = 689,926.8 X = 689,674.6 LAT. = 32.209703 "N LAT. = 32.253215 "N LONG. = 103.852900 "W LONG. = 103.853487 "W FTP (NAD83 NME) BHL (NAD83 NME) Y = 440,791.4 Y = 456,314.4 X = 689,733.5 X = 689,673.9 LAT. = 32.210902 "N LAT. = 32.253572 "N LONG. = 103.853519 "W LONG. = 103.853487 "W CORNER COORDINATES (NAD83 NME) <table> <tr><td>A - Y = 440,695.8 N</td><td>X = 690,318.7 E</td></tr> <tr><td>B - Y = 443,332.7 N</td><td>X = 690,316.5 E</td></tr> <tr><td>C - Y = 445,969.1 N</td><td>X = 690,314.3 E</td></tr> <tr><td>D - Y = 448,606.1 N</td><td>X = 690,296.3 E</td></tr> <tr><td>E - Y = 451,241.1 N</td><td>X = 690,278.3 E</td></tr> <tr><td>F - Y = 453,878.5 N</td><td>X = 690,267.5 E</td></tr> <tr><td>G - Y = 456,518.6 N</td><td>X = 690,256.7 E</td></tr> <tr><td>H - Y = 440,685.6 N</td><td>X = 688,981.2 E</td></tr> <tr><td>I - Y = 443,323.9 N</td><td>X = 688,978.3 E</td></tr> <tr><td>J - Y = 445,958.8 N</td><td>X = 688,976.1 E</td></tr> <tr><td>K - Y = 448,594.8 N</td><td>X = 688,960.2 E</td></tr> <tr><td>L - Y = 451,229.1 N</td><td>X = 688,944.0 E</td></tr> <tr><td>M - Y = 453,865.0 N</td><td>X = 688,932.1 E</td></tr> <tr><td>N - Y = 456,509.0 N</td><td>X = 688,919.8 E</td></tr> </table> SHL (NAD27 NME) LTP (NAD27 NME) Y = 440,297.2 Y = 456,124.9 X = 648,743.1 X = 648,491.4 LAT. = 32.209579 "N LAT. = 32.253091 "N LONG. = 103.852414 "W LONG. = 103.852999 "W FTP (NAD27 NME) BHL (NAD27 NME) Y = 440,732.3 Y = 456,254.9 X = 648,549.8 X = 648,490.8 LAT. = 32.210778 "N LAT. = 32.253449 "N LONG. = 103.853033 "W LONG. = 103.852999 "W CORNER COORDINATES (NAD27 NME) <table> <tr><td>A - Y = 440,636.8 N</td><td>X = 649,135.0 E</td></tr> <tr><td>B - Y = 443,273.6 N</td><td>X = 649,132.9 E</td></tr> <tr><td>C - Y = 445,909.9 N</td><td>X = 649,130.8 E</td></tr> <tr><td>D - Y = 448,546.9 N</td><td>X = 649,112.8 E</td></tr> <tr><td>E - Y = 451,181.8 N</td><td>X = 649,094.9 E</td></tr> <tr><td>F - Y = 453,819.1 N</td><td>X = 649,084.2 E</td></tr> <tr><td>G - Y = 456,459.1 N</td><td>X = 649,073.5 E</td></tr> <tr><td>H - Y = 440,626.6 N</td><td>X = 647,797.5 E</td></tr> <tr><td>I - Y = 443,264.7 N</td><td>X = 647,794.7 E</td></tr> <tr><td>J - Y = 445,899.6 N</td><td>X = 647,792.6 E</td></tr> <tr><td>K - Y = 448,535.6 N</td><td>X = 647,776.7 E</td></tr> <tr><td>L - Y = 451,169.8 N</td><td>X = 647,760.7 E</td></tr> <tr><td>M - Y = 453,805.6 N</td><td>X = 647,748.8 E</td></tr> <tr><td>N - Y = 456,449.5 N</td><td>X = 647,736.6 E</td></tr> </table>	A - Y = 440,695.8 N	X = 690,318.7 E	B - Y = 443,332.7 N	X = 690,316.5 E	C - Y = 445,969.1 N	X = 690,314.3 E	D - Y = 448,606.1 N	X = 690,296.3 E	E - Y = 451,241.1 N	X = 690,278.3 E	F - Y = 453,878.5 N	X = 690,267.5 E	G - Y = 456,518.6 N	X = 690,256.7 E	H - Y = 440,685.6 N	X = 688,981.2 E	I - Y = 443,323.9 N	X = 688,978.3 E	J - Y = 445,958.8 N	X = 688,976.1 E	K - Y = 448,594.8 N	X = 688,960.2 E	L - Y = 451,229.1 N	X = 688,944.0 E	M - Y = 453,865.0 N	X = 688,932.1 E	N - Y = 456,509.0 N	X = 688,919.8 E	A - Y = 440,636.8 N	X = 649,135.0 E	B - Y = 443,273.6 N	X = 649,132.9 E	C - Y = 445,909.9 N	X = 649,130.8 E	D - Y = 448,546.9 N	X = 649,112.8 E	E - Y = 451,181.8 N	X = 649,094.9 E	F - Y = 453,819.1 N	X = 649,084.2 E	G - Y = 456,459.1 N	X = 649,073.5 E	H - Y = 440,626.6 N	X = 647,797.5 E	I - Y = 443,264.7 N	X = 647,794.7 E	J - Y = 445,899.6 N	X = 647,792.6 E	K - Y = 448,535.6 N	X = 647,776.7 E	L - Y = 451,169.8 N	X = 647,760.7 E	M - Y = 453,805.6 N	X = 647,748.8 E	N - Y = 456,449.5 N	X = 647,736.6 E		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Jessica Dooling 7/11/2022 Signature Date Jessica Dooling Printed Name jessica.dooling@exxonmobil.com E-mail Address ¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 06-30-2022 Date of Survey Signature and Seal of Professional Surveyor: MARK DILLON HARP 23786 Certificate Number AW 2019051492
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DRILLING PLAN: BLM COMPLIANCE
(Supplement to BLM 3160-3)

XTO Energy Inc.

PLU 23 Dog Town Draw 154H

Projected TD: 27657' MD / 11519' TVD

SHL: 337' FNL & 2282' FWL , Section 23, T24S, R30E

BHL: 200' FNL & 2090' FWL , Section 2, T24S, R30E

Eddy County, NM

1. Geologic Name of Surface Formation

A. Quaternary

2. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	538'	Water
Top of Salt	900'	Water
Base of Salt	3841'	Water
Delaware	4067'	Water
Brushy Canyon	6268'	Water/Oil/Gas
Bone Spring	7878'	Water
1st Bone Spring Ss	8879'	Water/Oil/Gas
2nd Bone Spring Ss	9635'	Water/Oil/Gas
3rd Bone Spring Ss	10807'	Water/Oil/Gas
Wolfcamp	11179'	Water/Oil/Gas
Wolfcamp X	11207'	Water/Oil/Gas
Wolfcamp Y	11285'	Water/Oil/Gas
Wolfcamp A	11338'	Water/Oil/Gas
Wolfcamp B	11779'	Water/Oil/Gas
Target/Land Curve	11519'	Water/Oil/Gas

*** Hydrocarbons @ Brushy Canyon

*** Groundwater depth 40' (per NM State Engineers Office).

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 9.625 inch casing @ 638' (262' above the salt) and circulating cement back to surface. The intermediate will isolate from the top of salt down to the next casing seat by setting 7.625 inch casing at 10627' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 27657 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 10327 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 638'	9.625	40	J-55	BTC	New	1.31	8.90	24.69
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	2.17	2.65	1.77
8.75	4000' – 10627'	7.625	29.7	HC L-80	Flush Joint	New	1.58	1.88	2.06
6.75	0' – 10527'	5.5	20	RY P-110	Semi-Premium	New	1.05	1.76	1.84
6.75	10527' - 27657'	5.5	20	RY P-110	Semi-Flush	New	1.05	1.61	1.84

· XTO requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface casing per this Sundry

· XTO requests to not utilize centralizers in the curve and lateral

· 7.625 Collapse analyzed using 50% evacuation based on regional experience.

· 5.5 Tension calculated using vertical hanging weight plus the lateral weight multiplied by a friction factor of 0.35

· Test on Casing will be limited to 70% burst of the casing or 1500 psi, whichever is less

· XTO requests the option to use 5" BTC Float equipment for the the production casing

Wellhead:

Permanent Wellhead – Multibowl System

A. Starting Head: 11" 10M top flange x 9-5/8" bottom

B. Tubing Head: 11" 10M bottom flange x 7-1/16" 15M top flange

- Wellhead will be installed by manufacturer's representatives.
- Manufacturer will monitor welding process to ensure appropriate temperature of seal.
- Operator will test the 7-5/8" casing per BLM Onshore Order 2
- Wellhead Manufacturer representative will not be present for BOP test plug installation

4. Cement Program

Surface Casing: 9.625, 40 New BTC, J-55 casing to be set at +/- 638'

Lead: 110 sxs EconoCem-HLTRRC (mixed at 12.9 ppg, 1.87 ft3/sx, 10.13 gal/sx water)

Tail: 130 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)

Top of Cement: Surface

Compressives: 12-hr = 900 psi 24 hr = 1500 psi

2nd Intermediate Casing: 7.625, 29.7 New casing to be set at +/- 10627'

1st Stage

Optional Lead: 340 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)

TOC: Surface

Tail: 400 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)

TOC: Brushy Canyon @ 6268

Compressives: 12-hr = 900 psi 24 hr = 1150 psi

2nd Stage

Lead: 0 sxs Class C (mixed at 12.9 ppg, 2.16 ft3/sx, 9.61 gal/sx water)

Tail: 710 sxs Class C (mixed at 14.8 ppg, 1.33 ft3/sx, 6.39 gal/sx water)

Top of Cement: 0

Compressives: 12-hr = 900 psi 24 hr = 1150 psi

XTO requests to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brush Canyon (6268') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If cement is not visually confirmed to circulate to surface, the final cement top after the second stage job will be verified by Echo-meter. If necessary, a top out consisting of 1,500 sack of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. If cement is still unable to circulate to surface, another Echo-meter run will be performed for cement top verification.

XTO will include the Echo-meter verified fluid top and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program.

XTO will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

XTO requests to pump an Optional Lead if well conditions dictate in an attempt to bring cement inside the first intermediate casing. If cement reaches the desired height, the BLM will be notified and the second stage bradenhead squeeze and subsequent TOC verification will be negated.

XTO requests the option to conduct the bradenhead squeeze and TOC verification offline as per standard approval from BLM when unplanned remediation is needed and batch drilling is approved. In the event the bradenhead is conducted, we will ensure the first stage cement job is cemented properly and the well is static with floats holding and no pressure on the csg annulus as with all other casing strings where batch drilling operations occur before moving off the rig. The TA cap will also be installed per Cactus procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.

Production Casing: 5.5, 20 New Semi-Flush, RY P-110 casing to be set at +/- 27657'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 10327 feet

Tail: 1210 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 10827 feet

Compressives: 12-hr = 800 psi 24 hr = 1500 psi

XTO requests the option to offline cement and remediate (if needed) surface and intermediate casing strings where batch drilling is approved and if unplanned remediation is needed. XTO will ensure well is static with no pressure on the csg annulus, as with all other casing strings where batch drilling operations occur before moving off the rig. The TA cap will also be installed when applicable per Cactus procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops. Offline cement operations will then be conducted after the rig is moved off the current well to the next well in the batch sequence.

5. Pressure Control Equipment

Once the permanent WH is installed on the 9.625 casing, the blow out preventer equipment (BOP) will consist of a 13-5/8" minimum 5M Hydral and a 13-5/8" minimum 5M Double Ram BOP. MASP should not exceed 4354 psi. In any instance where 10M BOP is required by BLM, XTO requests a variance to utilize 5M annular with 10M ram preventers (a common BOP configuration, which allows use of 10M rams in unlikely event that pressures exceed 5M).

All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 50% of the working pressure. When nipping up on the 9.625, 5M bradenhead and flange, the BOP test will be limited to 5000 psi. When nipping up on the 7.625, the BOP will be tested to a minimum of 5000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 5M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each day.

A variance is requested to allow use of a flex hose as the choke line from the BOP to the Choke Manifold. If this hose is used, a copy of the manufacturer's certification and pressure test chart will be kept on the rig. Attached is an example of a certification and pressure test chart. The manufacturer does not require anchors.

XTO requests a variance to be able to batch drill this well if necessary. In doing so, XTO will set casing and ensure that the well is cemented properly (unless approval is given for offline cementing) and the well is static. With floats holding, no pressure on the csg annulus, and the installation of a 10K TA cap as per Cactus recommendations, XTO will contact the BLM to skid the rig to drill the remaining wells on the pad. Once surface and both intermediate strings are all completed, XTO will begin drilling the production hole.

on each of the wells.

A variance is requested to **ONLY** test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53. API standard 53 states, that for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken. Based on discussions with the BLM on February 27th 2020, we will request permission to **ONLY** retest broken pressure seals if the following conditions are met: 1. After a full BOP test is conducted on the first well on the pad 2. When skidding to drill an intermediate section that does not penetrate into the Wolfcamp.

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' - 638'	12.25	FW/Native	8.7-9.2	35-40	NC
638' - 10627'	8.75	FW / Cut Brine / Direct Emulsion	9.7-10.2	30-32	NC
10627' - 27657'	6.75	OBM	11.5-12	50-60	NC - 20

The necessary mud products for weight addition and fluid loss control will be on location at all times.

Spud with fresh water/native mud. Drill out from under 9-5/8" surface casing with brine solution. A 9.7 ppg - 10.2 ppg cut brine mud will be used while drilling through the salt formation. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. A Pason or Totco will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system.

7. Auxiliary Well Control and Monitoring Equipment

- A. A Kelly cock will be in the drill string at all times.
- B. A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.
- C. H2S monitors will be on location when drilling below the 9.625 casing.

8. Logging, Coring and Testing Program

Mud Logger: Mud Logging Unit (2 man) below intermediate casing.

Open hole logging will not be done on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

None Anticipated. BHT of 180 to 200 F is anticipated. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation could occur but is not expected to be a serious problem in this area and hole seepage will be compensated for by additions of small amounts of LCM in the drilling fluid. The maximum anticipated bottom hole pressure for this well is 6888 psi.

10. Anticipated Starting Date and Duration of Operations

Anticipated spud date will be after BLM approval. Move in operations and drilling is expected to take 40 days.

Well Plan Report - PLU 23 Dog Town Draw 154H

Measured Depth: 27656.00 ft Site: PLU 23 DTD PAD B
TVD RKB: 11519.00 ft
Location
Cartographic Reference System: New Mexico East - NAD 27
Northing: 440295.67 ft
Easting: 648757.95 ft
RKB: 3458.00 ft
Ground Level: 3428.00 ft
North Reference: Grid
Convergence Angle: 0.26 Deg

Plan Sections									
PLU 23 Dog Town Draw 154H									
Measured	TVD					Build	Turn	Dogleg	
Depth	Inclination	Azimuth	RKB	Y Offset	X Offset	Rate	Rate	Rate	Target
(ft)	(Deg)	(Deg)	(ft)	(ft)	(ft)	(Deg/100ft)	(Deg/100ft)	(Deg/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	0.00	
1775.10	5.50	202.49	1774.67	-12.19	-5.05	2.00	0.00	2.00	
6748.66	5.50	202.49	6725.32	-452.80	-187.43	0.00	0.00	0.00	
7023.76	0.00	0.00	7000.00	-465.00	-192.48	-2.00	0.00	2.00	
10826.75	0.00	0.00	10803.00	-465.00	-192.48	0.00	0.00	0.00	
11951.75	90.00	359.79	11519.20	251.19	-195.07	8.00	0.00	8.00	PLU 23 DTD BHL 3
27656.86	90.00	359.79	11519.00	15956.19	-251.98	0.00	0.00	0.00	PLU 23 DTD BHL 3

Position Uncertainty			PLU 23 Dog Town Draw 154H															
Measured			TVD			Highside			Lateral		Vertical		Magnitude		Semi-major	Semi-minor	Semi-minor	Tool
Depth	Inclination	Azimuth	RKB	Error	Bias	Error	Bias	Error	Bias	Error	Bias	of Bias	Error	Error	Azimuth	Used		
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)			
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.297	0.000			0.000	0.000	0.000	0.000	XOM_R2OWSG MWD+IFR1+MS		
100.000	0.000	0.000	100.000	0.358	0.000	0.358	0.000	2.299	0.000			0.000	0.358	0.358	0.000	XOM_R2OWSG MWD+IFR1+MS		
200.000	0.000	0.000	200.000	0.717	0.000	0.717	0.000	2.307	0.000			0.000	0.717	0.717	0.000	XOM_R2OWSG MWD+IFR1+MS		
300.000	0.000	0.000	300.000	1.075	0.000	1.075	0.000	2.321	0.000			0.000	1.075	1.075	0.000	XOM_R2OWSG MWD+IFR1+MS		
400.000	0.000	0.000	400.000	1.434	0.000	1.434	0.000	2.340	0.000			0.000	1.434	1.434	0.000	XOM_R2OWSG MWD+IFR1+MS		
500.000	0.000	0.000	500.000	1.792	0.000	1.792	0.000	2.364	0.000			0.000	1.792	1.792	0.000	XOM_R2OWSG MWD+IFR1+MS		
600.000	0.000	0.000	600.000	2.151	0.000	2.151	0.000	2.393	0.000			0.000	2.151	2.151	0.000	XOM_R2OWSG MWD+IFR1+MS		
700.000	0.000	0.000	700.000	2.509	0.000	2.509	0.000	2.428	0.000			0.000	2.509	2.509	0.000	XOM_R2OWSG MWD+IFR1+MS		
800.000	0.000	0.000	800.000	2.868	0.000	2.868	0.000	2.467	0.000			0.000	2.868	2.868	0.000	XOM_R2OWSG MWD+IFR1+MS		
900.000	0.000	0.000	900.000	3.225	0.000	3.225	0.000	2.511	0.000			0.000	3.225	3.225	0.000	XOM_R2OWSG MWD+IFR1+MS		
1000.000	0.000	0.000	1000.000	3.585	0.000	3.585	0.000	2.559	0.000			0.000	3.585	3.585	0.000	XOM_R2OWSG MWD+IFR1+MS		

1100.000	0.000	0.000	1100.000	3.942	0.000	3.942	0.000	2.613	0.000	0.000	3.942	3.942	0.000	XOM_R2OWSG MWD+IFR1+MS
1200.000	0.000	0.000	1200.000	4.301	0.000	4.301	0.000	2.670	0.000	0.000	4.301	4.301	0.000	XOM_R2OWSG MWD+IFR1+MS
1300.000	0.000	0.000	1300.000	4.659	0.000	4.659	0.000	2.731	0.000	0.000	4.659	4.659	0.000	XOM_R2OWSG MWD+IFR1+MS
1400.000	0.000	0.000	1400.000	5.018	0.000	5.018	0.000	2.797	0.000	0.000	5.018	5.018	0.000	XOM_R2OWSG MWD+IFR1+MS
1500.000	0.000	0.000	1500.000	5.377	0.000	5.377	0.000	2.866	0.000	0.000	5.377	5.377	0.000	XOM_R2OWSG MWD+IFR1+MS
1600.000	1.999	202.400	1599.980	5.715	-0.000	5.718	0.000	2.938	0.000	0.000	5.718	5.718	0.000	XOM_R2OWSG MWD+IFR1+MS
1700.000	4.000	202.400	1699.838	6.032	-0.000	6.045	0.000	3.013	0.000	0.000	6.045	6.044	135.000	XOM_R2OWSG MWD+IFR1+MS
1775.000	5.501	202.400	1774.675	6.269	-0.000	6.292	0.000	3.069	0.000	0.000	6.294	6.292	123.587	XOM_R2OWSG MWD+IFR1+MS
1800.000	5.501	202.400	1799.463	6.352	-0.000	6.375	0.000	3.088	0.000	0.000	6.377	6.375	125.946	XOM_R2OWSG MWD+IFR1+MS
1900.000	5.501	202.400	1899.002	6.685	-0.000	6.708	0.000	3.170	0.000	0.000	6.709	6.708	-31.998	XOM_R2OWSG MWD+IFR1+MS
2000.000	5.501	202.400	1998.541	7.021	-0.000	7.044	0.000	3.259	0.000	0.000	7.045	7.043	-10.808	XOM_R2OWSG MWD+IFR1+MS
2100.000	5.501	202.400	2098.081	7.360	-0.000	7.383	0.000	3.350	0.000	0.000	7.383	7.380	-3.385	XOM_R2OWSG MWD+IFR1+MS
2200.000	5.501	202.400	2197.620	7.701	-0.000	7.723	0.000	3.444	0.000	0.000	7.723	7.720	-0.000	XOM_R2OWSG MWD+IFR1+MS
2300.000	5.501	202.400	2297.159	8.045	-0.000	8.066	0.000	3.541	0.000	0.000	8.066	8.062	2.414	XOM_R2OWSG MWD+IFR1+MS
2400.000	5.501	202.400	2396.698	8.390	-0.000	8.410	0.000	3.641	0.000	0.000	8.410	8.405	2.760	XOM_R2OWSG MWD+IFR1+MS
2500.000	5.501	202.400	2496.238	8.737	-0.000	8.755	0.000	3.746	0.000	0.000	8.755	8.751	3.616	XOM_R2OWSG MWD+IFR1+MS
2600.000	5.501	202.400	2595.777	9.086	-0.000	9.101	0.000	3.852	0.000	0.000	9.102	9.098	3.470	XOM_R2OWSG MWD+IFR1+MS
2700.000	5.501	202.400	2695.316	9.435	-0.000	9.449	0.000	3.961	0.000	0.000	9.450	9.446	2.368	XOM_R2OWSG MWD+IFR1+MS
2800.000	5.501	202.400	2794.856	9.785	-0.000	9.798	0.000	4.074	0.000	0.000	9.798	9.794	1.145	XOM_R2OWSG MWD+IFR1+MS
2900.000	5.501	202.400	2894.395	10.136	-0.000	10.144	0.000	4.189	0.000	0.000	10.144	10.144	0.000	XOM_R2OWSG MWD+IFR1+MS
3000.000	5.501	202.400	2993.934	10.487	-0.000	10.497	0.000	4.307	0.000	0.000	10.498	10.493	-2.373	XOM_R2OWSG MWD+IFR1+MS
3100.000	5.501	202.400	3093.473	10.841	-0.000	10.848	0.000	4.428	0.000	0.000	10.849	10.844	-4.658	XOM_R2OWSG MWD+IFR1+MS
3200.000	5.501	202.400	3193.013	11.195	-0.000	11.198	0.000	4.552	0.000	0.000	11.199	11.198	135.000	XOM_R2OWSG MWD+IFR1+MS
3300.000	5.501	202.400	3292.552	11.549	-0.000	11.553	0.000	4.678	0.000	0.000	11.554	11.550	-10.238	XOM_R2OWSG MWD+IFR1+MS
3400.000	5.501	202.400	3392.091	11.904	-0.000	11.903	0.000	4.806	0.000	0.000	11.905	11.903	135.000	XOM_R2OWSG MWD+IFR1+MS
3500.000	5.501	202.400	3491.631	12.262	-0.000	12.259	0.000	4.938	0.000	0.000	12.261	12.258	135.000	XOM_R2OWSG MWD+IFR1+MS
3600.000	5.501	202.400	3591.170	12.618	-0.000	12.612	0.000	5.071	0.000	0.000	12.615	12.612	135.000	XOM_R2OWSG MWD+IFR1+MS
3700.000	5.501	202.400	3690.709	12.975	-0.000	12.968	0.000	5.209	0.000	0.000	12.971	12.967	135.000	XOM_R2OWSG MWD+IFR1+MS
3800.000	5.501	202.400	3790.249	13.334	-0.000	13.322	0.000	5.348	0.000	0.000	13.328	13.322	114.853	XOM_R2OWSG MWD+IFR1+MS
3900.000	5.501	202.400	3889.788	13.691	-0.000	13.677	0.000	5.489	0.000	0.000	13.683	13.677	117.134	XOM_R2OWSG MWD+IFR1+MS
4000.000	5.501	202.400	3989.327	14.049	-0.000	14.031	0.000	5.634	0.000	0.000	14.040	14.031	109.481	XOM_R2OWSG MWD+IFR1+MS
4100.000	5.501	202.400	4088.866	14.407	-0.000	14.389	0.000	5.780	0.000	0.000	14.396	14.389	120.880	XOM_R2OWSG MWD+IFR1+MS
4200.000	5.501	202.400	4188.406	14.765	-0.000	14.743	0.000	5.930	0.000	0.000	14.753	14.743	113.348	XOM_R2OWSG MWD+IFR1+MS

4300.000	5.501	202.400	4287.945	15.125	-0.000	15.101	0.000	6.082	0.000	0.000	15.111	15.101	115.097	XOM_R2OWSG MWD+IFR1+MS
4400.000	5.501	202.400	4387.484	15.486	-0.000	15.458	0.000	6.236	0.000	0.000	15.471	15.458	110.972	XOM_R2OWSG MWD+IFR1+MS
4500.000	5.501	202.400	4487.024	15.845	-0.000	15.813	0.000	6.393	0.000	0.000	15.829	15.813	108.481	XOM_R2OWSG MWD+IFR1+MS
4600.000	5.501	202.400	4586.563	16.203	-0.000	16.169	0.000	6.553	0.000	0.000	16.185	16.169	109.939	XOM_R2OWSG MWD+IFR1+MS
4700.000	5.501	202.400	4686.102	16.565	-0.000	16.527	0.000	6.715	0.000	0.000	16.546	16.527	108.214	XOM_R2OWSG MWD+IFR1+MS
4800.000	5.501	202.400	4785.641	16.925	-0.000	16.886	0.000	6.880	0.000	0.000	16.905	16.886	109.531	XOM_R2OWSG MWD+IFR1+MS
4900.000	5.501	202.400	4885.181	17.284	-0.000	17.243	0.000	7.047	0.000	0.000	17.262	17.243	110.815	XOM_R2OWSG MWD+IFR1+MS
5000.000	5.501	202.400	4984.720	17.647	-0.000	17.602	0.000	7.217	0.000	0.000	17.623	17.602	109.469	XOM_R2OWSG MWD+IFR1+MS
5100.000	5.501	202.400	5084.259	18.005	-0.000	17.958	0.000	7.389	0.000	0.000	17.981	17.958	110.647	XOM_R2OWSG MWD+IFR1+MS
5200.000	5.501	202.400	5183.799	18.367	-0.000	18.317	0.000	7.564	0.000	0.000	18.341	18.317	109.602	XOM_R2OWSG MWD+IFR1+MS
5300.000	5.501	202.400	5283.338	18.728	-0.000	18.673	0.000	7.742	0.000	0.000	18.700	18.673	108.821	XOM_R2OWSG MWD+IFR1+MS
5400.000	5.501	202.400	5382.877	19.089	-0.000	19.034	0.000	7.922	0.000	0.000	19.061	19.034	109.868	XOM_R2OWSG MWD+IFR1+MS
5500.000	5.501	202.400	5482.416	19.452	-0.000	19.391	0.000	8.105	0.000	0.000	19.422	19.390	107.779	XOM_R2OWSG MWD+IFR1+MS
5600.000	5.501	202.400	5581.956	19.813	-0.000	19.750	0.000	8.290	0.000	0.000	19.782	19.750	108.737	XOM_R2OWSG MWD+IFR1+MS
5700.000	5.501	202.400	5681.495	20.175	-0.000	20.109	0.000	8.478	0.000	0.000	20.143	20.109	108.355	XOM_R2OWSG MWD+IFR1+MS
5800.000	5.501	202.400	5781.034	20.536	-0.000	20.466	0.000	8.669	0.000	0.000	20.502	20.466	108.065	XOM_R2OWSG MWD+IFR1+MS
5900.000	5.501	202.400	5880.574	20.898	-0.000	20.827	0.000	8.862	0.000	0.000	20.863	20.826	108.944	XOM_R2OWSG MWD+IFR1+MS
6000.000	5.501	202.400	5980.113	21.260	-0.000	21.184	0.000	9.059	0.000	0.000	21.224	21.184	107.682	XOM_R2OWSG MWD+IFR1+MS
6100.000	5.501	202.400	6079.652	21.622	-0.000	21.544	0.000	9.257	0.000	0.000	21.584	21.544	108.506	XOM_R2OWSG MWD+IFR1+MS
6200.000	5.501	202.400	6179.192	21.984	-0.000	21.903	0.000	9.458	0.000	0.000	21.945	21.902	108.364	XOM_R2OWSG MWD+IFR1+MS
6300.000	5.501	202.400	6278.731	22.347	-0.000	22.262	0.000	9.662	0.000	0.000	22.307	22.262	108.265	XOM_R2OWSG MWD+IFR1+MS
6400.000	5.501	202.400	6378.270	22.708	-0.000	22.621	0.000	9.869	0.000	0.000	22.667	22.621	108.201	XOM_R2OWSG MWD+IFR1+MS
6500.000	5.501	202.400	6477.809	23.071	-0.000	22.980	0.000	10.075	0.000	0.000	23.029	22.980	108.164	XOM_R2OWSG MWD+IFR1+MS
6600.000	5.501	202.400	6577.349	23.434	-0.000	23.341	0.000	10.286	0.000	0.000	23.391	23.340	108.153	XOM_R2OWSG MWD+IFR1+MS
6700.000	5.501	202.400	6676.888	23.796	-0.000	23.700	0.000	10.502	0.000	0.000	23.752	23.699	108.164	XOM_R2OWSG MWD+IFR1+MS
6748.600	5.501	202.400	6725.325	23.973	-0.000	23.874	0.000	10.607	0.000	0.000	23.928	23.874	107.841	XOM_R2OWSG MWD+IFR1+MS
6800.000	4.475	202.400	6776.469	24.164	-0.000	24.060	0.000	10.719	0.000	0.000	24.113	24.059	108.123	XOM_R2OWSG MWD+IFR1+MS
6900.000	2.475	202.400	6876.280	24.515	-0.000	24.416	0.000	10.941	0.000	0.000	24.471	24.416	107.839	XOM_R2OWSG MWD+IFR1+MS
7000.000	0.475	202.400	6976.241	24.837	-0.000	24.770	0.000	11.162	0.000	0.000	24.826	24.770	107.281	XOM_R2OWSG MWD+IFR1+MS
7023.700	0.000	0.000	7000.000	24.902	0.000	24.858	0.000	11.212	0.000	0.000	24.907	24.852	107.822	XOM_R2OWSG MWD+IFR1+MS
7100.000	0.000	0.000	7076.241	25.156	0.000	25.114	0.000	11.384	0.000	0.000	25.161	25.109	108.192	XOM_R2OWSG MWD+IFR1+MS
7200.000	0.000	0.000	7176.241	25.489	0.000	25.448	0.000	11.606	0.000	0.000	25.494	25.443	107.837	XOM_R2OWSG MWD+IFR1+MS
7300.000	0.000	0.000	7276.241	25.822	0.000	25.784	0.000	11.832	0.000	0.000	25.827	25.779	108.139	

														XOM_R2OWSG MWD+IFR1+MS
7400.000	0.000	0.000	7376.241	26.157	0.000	26.121	0.000	12.062	0.000	0.000	26.162	26.116	108.466	XOM_R2OWSG MWD+IFR1+MS
7500.000	0.000	0.000	7476.241	26.492	0.000	26.458	0.000	12.296	0.000	0.000	26.496	26.453	108.824	XOM_R2OWSG MWD+IFR1+MS
7600.000	0.000	0.000	7576.241	26.827	0.000	26.796	0.000	12.534	0.000	0.000	26.832	26.791	109.217	XOM_R2OWSG MWD+IFR1+MS
7700.000	0.000	0.000	7676.241	27.164	0.000	27.133	0.000	12.771	0.000	0.000	27.168	27.129	108.800	XOM_R2OWSG MWD+IFR1+MS
7800.000	0.000	0.000	7776.241	27.501	0.000	27.472	0.000	13.012	0.000	0.000	27.505	27.468	109.216	XOM_R2OWSG MWD+IFR1+MS
7900.000	0.000	0.000	7876.241	27.839	0.000	27.810	0.000	13.255	0.000	0.000	27.843	27.806	108.776	XOM_R2OWSG MWD+IFR1+MS
8000.000	0.000	0.000	7976.241	28.176	0.000	28.150	0.000	13.506	0.000	0.000	28.180	28.146	109.215	XOM_R2OWSG MWD+IFR1+MS
8100.000	0.000	0.000	8076.241	28.515	0.000	28.490	0.000	13.755	0.000	0.000	28.519	28.487	109.708	XOM_R2OWSG MWD+IFR1+MS
8200.000	0.000	0.000	8176.241	28.853	0.000	28.831	0.000	14.007	0.000	0.000	28.857	28.827	110.256	XOM_R2OWSG MWD+IFR1+MS
8300.000	0.000	0.000	8276.241	29.192	0.000	29.172	0.000	14.265	0.000	0.000	29.196	29.168	110.877	XOM_R2OWSG MWD+IFR1+MS
8400.000	0.000	0.000	8376.241	29.533	0.000	29.513	0.000	14.522	0.000	0.000	29.536	29.509	110.342	XOM_R2OWSG MWD+IFR1+MS
8500.000	0.000	0.000	8476.241	29.873	0.000	29.855	0.000	14.785	0.000	0.000	29.876	29.851	111.019	XOM_R2OWSG MWD+IFR1+MS
8600.000	0.000	0.000	8576.241	30.213	0.000	30.198	0.000	15.050	0.000	0.000	30.216	30.194	113.307	XOM_R2OWSG MWD+IFR1+MS
8700.000	0.000	0.000	8676.241	30.555	0.000	30.540	0.000	15.317	0.000	0.000	30.558	30.537	112.699	XOM_R2OWSG MWD+IFR1+MS
8800.000	0.000	0.000	8776.241	30.895	0.000	30.882	0.000	15.588	0.000	0.000	30.898	30.879	113.746	XOM_R2OWSG MWD+IFR1+MS
8900.000	0.000	0.000	8876.241	31.238	0.000	31.227	0.000	15.862	0.000	0.000	31.241	31.223	114.983	XOM_R2OWSG MWD+IFR1+MS
9000.000	0.000	0.000	8976.241	31.580	0.000	31.569	0.000	16.140	0.000	0.000	31.583	31.566	114.289	XOM_R2OWSG MWD+IFR1+MS
9100.000	0.000	0.000	9076.241	31.922	0.000	31.906	0.000	16.420	0.000	0.000	31.924	31.904	108.504	XOM_R2OWSG MWD+IFR1+MS
9200.000	0.000	0.000	9176.241	32.265	0.000	32.249	0.000	16.703	0.000	0.000	32.266	32.247	107.767	XOM_R2OWSG MWD+IFR1+MS
9300.000	0.000	0.000	9276.241	32.604	0.000	32.588	0.000	16.988	0.000	0.000	32.605	32.587	106.998	XOM_R2OWSG MWD+IFR1+MS
9400.000	0.000	0.000	9376.241	32.939	0.000	32.939	0.000	17.277	0.000	0.000	32.944	32.935	135.000	XOM_R2OWSG MWD+IFR1+MS
9500.000	0.000	0.000	9476.241	33.287	0.000	33.287	0.000	17.567	0.000	0.000	33.291	33.282	135.000	XOM_R2OWSG MWD+IFR1+MS
9600.000	0.000	0.000	9576.241	33.630	0.000	33.630	0.000	17.863	0.000	0.000	33.634	33.626	135.000	XOM_R2OWSG MWD+IFR1+MS
9700.000	0.000	0.000	9676.241	33.971	0.000	33.971	0.000	18.160	0.000	0.000	33.974	33.967	135.000	XOM_R2OWSG MWD+IFR1+MS
9800.000	0.000	0.000	9776.241	34.322	0.000	34.322	0.000	18.461	0.000	0.000	34.325	34.319	135.000	XOM_R2OWSG MWD+IFR1+MS
9900.000	0.000	0.000	9876.241	34.670	0.000	34.670	0.000	18.764	0.000	0.000	34.673	34.667	135.000	XOM_R2OWSG MWD+IFR1+MS
10000.000	0.000	0.000	9976.241	35.014	0.000	35.014	0.000	19.071	0.000	0.000	35.017	35.011	135.000	XOM_R2OWSG MWD+IFR1+MS
10100.000	0.000	0.000	10076.241	35.355	0.000	35.355	0.000	19.378	0.000	0.000	35.358	35.353	135.000	XOM_R2OWSG MWD+IFR1+MS
10200.000	0.000	0.000	10176.241	35.707	0.000	35.707	0.000	19.693	0.000	0.000	35.709	35.705	135.000	XOM_R2OWSG MWD+IFR1+MS
10300.000	0.000	0.000	10276.241	36.056	0.000	36.056	0.000	20.007	0.000	0.000	36.057	36.054	135.000	XOM_R2OWSG MWD+IFR1+MS
10400.000	0.000	0.000	10376.241	36.401	0.000	36.401	0.000	20.325	0.000	0.000	36.402	36.399	135.000	XOM_R2OWSG MWD+IFR1+MS
10500.000	0.000	0.000	10476.241	36.742	0.000	36.756	0.000	20.647	0.000	0.000	36.756	36.742	-5.613	XOM_R2OWSG MWD+IFR1+MS

10600.000	0.000	0.000	10576.241	37.094	0.000	37.094	0.000	20.971	0.000	0.000	37.096	37.093	135.000	XOM_R2OWSG MWD+IFR1+MS
10700.000	0.000	0.000	10676.241	37.443	0.000	37.443	0.000	21.298	0.000	0.000	37.444	37.442	135.000	XOM_R2OWSG MWD+IFR1+MS
10800.000	0.000	0.000	10776.241	37.789	0.000	37.802	0.000	21.629	0.000	0.000	37.802	37.789	-2.271	XOM_R2OWSG MWD+IFR1+MS
10826.000	0.000	0.000	10803.000	37.881	0.000	37.895	0.000	21.716	0.000	0.000	37.895	37.881	-1.968	XOM_R2OWSG MWD+IFR1+MS
10900.000	5.859	359.700	10876.114	37.877	0.000	38.144	0.000	21.959	0.000	0.000	38.144	38.131	-0.163	XOM_R2OWSG MWD+IFR1+MS
11000.000	13.850	359.700	10974.557	37.439	0.000	38.471	0.000	22.280	0.000	0.000	38.471	38.458	5.080	XOM_R2OWSG MWD+IFR1+MS
11100.000	21.850	359.700	11069.661	36.521	0.000	38.794	0.000	22.583	0.000	0.000	38.795	38.755	4.215	XOM_R2OWSG MWD+IFR1+MS
11200.000	29.850	359.700	11159.574	35.169	0.000	39.090	0.000	22.865	0.000	0.000	39.090	39.013	3.499	XOM_R2OWSG MWD+IFR1+MS
11300.000	37.850	359.700	11242.548	33.463	0.000	39.370	0.000	23.117	0.000	0.000	39.370	39.230	2.566	XOM_R2OWSG MWD+IFR1+MS
11400.000	45.850	359.700	11316.966	31.510	0.000	39.611	0.000	23.343	0.000	0.000	39.611	39.408	2.013	XOM_R2OWSG MWD+IFR1+MS
11500.000	53.850	359.700	11381.380	29.452	0.000	39.825	0.000	23.544	0.000	0.000	39.825	39.547	1.405	XOM_R2OWSG MWD+IFR1+MS
11600.000	61.850	359.700	11434.537	27.466	0.000	40.012	0.000	23.723	0.000	0.000	40.013	39.648	0.775	XOM_R2OWSG MWD+IFR1+MS
11700.000	69.850	359.700	11475.402	25.772	0.000	40.162	0.000	23.889	0.000	0.000	40.162	39.711	0.154	XOM_R2OWSG MWD+IFR1+MS
11800.000	77.850	359.700	11503.179	24.606	0.000	40.274	0.000	24.048	0.000	0.000	40.274	39.737	-0.482	XOM_R2OWSG MWD+IFR1+MS
11900.000	85.850	359.700	11517.328	24.178	0.000	40.349	0.000	24.203	0.000	0.000	40.349	39.762	-1.199	XOM_R2OWSG MWD+IFR1+MS
11951.000	90.000	359.700	11519.197	24.282	0.000	40.373	0.000	24.282	0.000	0.000	40.374	39.761	-1.597	XOM_R2OWSG MWD+IFR1+MS
12000.000	90.000	359.700	11519.197	24.360	0.000	40.386	0.000	24.360	0.000	0.000	40.386	39.761	-1.995	XOM_R2OWSG MWD+IFR1+MS
12100.000	90.000	359.700	11519.197	24.538	0.000	40.435	0.000	24.538	0.000	0.000	40.437	39.773	-2.724	XOM_R2OWSG MWD+IFR1+MS
12200.000	90.000	359.700	11519.197	24.741	0.000	40.497	0.000	24.741	0.000	0.000	40.499	39.772	-3.260	XOM_R2OWSG MWD+IFR1+MS
12300.000	90.000	359.700	11519.197	24.966	0.000	40.571	0.000	24.966	0.000	0.000	40.574	39.784	-3.711	XOM_R2OWSG MWD+IFR1+MS
12400.000	90.000	359.700	11519.197	25.213	0.000	40.645	0.000	25.213	0.000	0.000	40.649	39.795	-4.096	XOM_R2OWSG MWD+IFR1+MS
12500.000	90.000	359.700	11519.197	25.481	0.000	40.744	0.000	25.481	0.000	0.000	40.748	39.807	-4.315	XOM_R2OWSG MWD+IFR1+MS
12600.000	90.000	359.700	11519.197	25.772	0.000	40.842	0.000	25.772	0.000	0.000	40.847	39.818	-4.497	XOM_R2OWSG MWD+IFR1+MS
12700.000	90.000	359.700	11519.197	26.083	0.000	40.952	0.000	26.083	0.000	0.000	40.958	39.830	-4.601	XOM_R2OWSG MWD+IFR1+MS
12800.000	90.000	359.700	11519.197	26.414	0.000	41.086	0.000	26.414	0.000	0.000	41.093	39.842	-4.598	XOM_R2OWSG MWD+IFR1+MS
12900.000	90.000	359.700	11519.197	26.764	0.000	41.220	0.000	26.764	0.000	0.000	41.228	39.866	-4.637	XOM_R2OWSG MWD+IFR1+MS
13000.000	90.000	359.700	11519.197	27.131	0.000	41.365	0.000	27.131	0.000	0.000	41.374	39.878	-4.596	XOM_R2OWSG MWD+IFR1+MS
13100.000	90.000	359.700	11519.197	27.515	0.000	41.510	0.000	27.515	0.000	0.000	41.519	39.902	-4.597	XOM_R2OWSG MWD+IFR1+MS
13200.000	90.000	359.700	11519.197	27.918	0.000	41.679	0.000	27.918	0.000	0.000	41.688	39.914	-4.502	XOM_R2OWSG MWD+IFR1+MS
13300.000	90.000	359.700	11519.197	28.335	0.000	41.858	0.000	28.335	0.000	0.000	41.868	39.938	-4.427	XOM_R2OWSG MWD+IFR1+MS
13400.000	90.000	359.700	11519.197	28.768	0.000	42.037	0.000	28.768	0.000	0.000	42.047	39.950	-4.338	XOM_R2OWSG MWD+IFR1+MS
13500.000	90.000	359.700	11519.197	29.216	0.000	42.239	0.000	29.216	0.000	0.000	42.250	39.975	-4.243	XOM_R2OWSG MWD+IFR1+MS
13600.000	90.000	359.700	11519.197	29.678	0.000	42.440	0.000	29.678	0.000	0.000	42.451	39.999	-4.162	

														XOM_R2OWSG MWD+IFR1+MS
13700.000	90.000	359.700	11519.197	30.153	0.000	42.652	0.000	30.153	0.000	0.000	42.663	40.024	-4.073	XOM_R2OWSG MWD+IFR1+MS
13800.000	90.000	359.700	11519.197	30.641	0.000	42.874	0.000	30.641	0.000	0.000	42.885	40.048	-3.980	XOM_R2OWSG MWD+IFR1+MS
13900.000	90.000	359.700	11519.197	31.142	0.000	43.107	0.000	31.142	0.000	0.000	43.118	40.073	-3.884	XOM_R2OWSG MWD+IFR1+MS
14000.000	90.000	359.700	11519.197	31.639	0.000	43.350	0.000	31.639	0.000	0.000	43.361	40.110	-3.803	XOM_R2OWSG MWD+IFR1+MS
14100.000	90.000	359.700	11519.197	32.171	0.000	43.603	0.000	32.171	0.000	0.000	43.614	40.135	-3.706	XOM_R2OWSG MWD+IFR1+MS
14200.000	90.000	359.700	11519.197	32.696	0.000	43.854	0.000	32.696	0.000	0.000	43.866	40.159	-3.624	XOM_R2OWSG MWD+IFR1+MS
14300.000	90.000	359.700	11519.197	33.242	0.000	44.127	0.000	33.242	0.000	0.000	44.139	40.196	-3.541	XOM_R2OWSG MWD+IFR1+MS
14400.000	90.000	359.700	11519.197	33.793	0.000	44.398	0.000	33.793	0.000	0.000	44.410	40.221	-3.458	XOM_R2OWSG MWD+IFR1+MS
14500.000	90.000	359.700	11519.197	34.366	0.000	44.679	0.000	34.366	0.000	0.000	44.691	40.258	-3.385	XOM_R2OWSG MWD+IFR1+MS
14600.000	90.000	359.700	11519.197	34.928	0.000	44.980	0.000	34.928	0.000	0.000	44.993	40.295	-3.305	XOM_R2OWSG MWD+IFR1+MS
14700.000	90.000	359.700	11519.197	35.511	0.000	45.280	0.000	35.511	0.000	0.000	45.292	40.332	-3.234	XOM_R2OWSG MWD+IFR1+MS
14800.000	90.000	359.700	11519.197	36.097	0.000	45.588	0.000	36.097	0.000	0.000	45.600	40.369	-3.163	XOM_R2OWSG MWD+IFR1+MS
14900.000	90.000	359.700	11519.197	36.688	0.000	45.894	0.000	36.688	0.000	0.000	45.906	40.406	-3.100	XOM_R2OWSG MWD+IFR1+MS
15000.000	90.000	359.700	11519.197	37.283	0.000	46.220	0.000	37.283	0.000	0.000	46.232	40.442	-3.033	XOM_R2OWSG MWD+IFR1+MS
15100.000	90.000	359.700	11519.197	37.895	0.000	46.554	0.000	37.895	0.000	0.000	46.566	40.479	-2.966	XOM_R2OWSG MWD+IFR1+MS
15200.000	90.000	359.700	11519.197	38.510	0.000	46.886	0.000	38.510	0.000	0.000	46.898	40.516	-2.907	XOM_R2OWSG MWD+IFR1+MS
15300.000	90.000	359.700	11519.197	39.128	0.000	47.237	0.000	39.128	0.000	0.000	47.249	40.565	-2.848	XOM_R2OWSG MWD+IFR1+MS
15400.000	90.000	359.700	11519.197	39.762	0.000	47.585	0.000	39.762	0.000	0.000	47.597	40.602	-2.792	XOM_R2OWSG MWD+IFR1+MS
15500.000	90.000	359.700	11519.197	40.386	0.000	47.941	0.000	40.386	0.000	0.000	47.953	40.651	-2.740	XOM_R2OWSG MWD+IFR1+MS
15600.000	90.000	359.700	11519.197	41.024	0.000	48.304	0.000	41.024	0.000	0.000	48.317	40.688	-2.686	XOM_R2OWSG MWD+IFR1+MS
15700.000	90.000	359.700	11519.197	41.665	0.000	48.676	0.000	41.665	0.000	0.000	48.688	40.737	-2.636	XOM_R2OWSG MWD+IFR1+MS
15800.000	90.000	359.700	11519.197	42.308	0.000	49.054	0.000	42.308	0.000	0.000	49.066	40.786	-2.588	XOM_R2OWSG MWD+IFR1+MS
15900.000	90.000	359.700	11519.197	42.965	0.000	49.440	0.000	42.965	0.000	0.000	49.452	40.835	-2.540	XOM_R2OWSG MWD+IFR1+MS
16000.000	90.000	359.700	11519.197	43.623	0.000	49.823	0.000	43.623	0.000	0.000	49.835	40.883	-2.497	XOM_R2OWSG MWD+IFR1+MS
16100.000	90.000	359.700	11519.197	44.283	0.000	50.223	0.000	44.283	0.000	0.000	50.235	40.932	-2.452	XOM_R2OWSG MWD+IFR1+MS
16200.000	90.000	359.700	11519.197	44.944	0.000	50.620	0.000	44.944	0.000	0.000	50.632	40.981	-2.410	XOM_R2OWSG MWD+IFR1+MS
16300.000	90.000	359.700	11519.197	45.607	0.000	51.033	0.000	45.607	0.000	0.000	51.045	41.030	-2.367	XOM_R2OWSG MWD+IFR1+MS
16400.000	90.000	359.700	11519.197	46.282	0.000	51.443	0.000	46.282	0.000	0.000	51.455	41.078	-2.328	XOM_R2OWSG MWD+IFR1+MS
16500.000	90.000	359.700	11519.197	46.957	0.000	51.859	0.000	46.957	0.000	0.000	51.871	41.139	-2.292	XOM_R2OWSG MWD+IFR1+MS
16600.000	90.000	359.700	11519.197	47.634	0.000	52.282	0.000	47.634	0.000	0.000	52.293	41.187	-2.253	XOM_R2OWSG MWD+IFR1+MS
16700.000	90.000	359.700	11519.197	48.322	0.000	52.711	0.000	48.322	0.000	0.000	52.722	41.248	-2.219	XOM_R2OWSG MWD+IFR1+MS
16800.000	90.000	359.700	11519.197	49.000	0.000	53.145	0.000	49.000	0.000	0.000	53.157	41.308	-2.184	XOM_R2OWSG MWD+IFR1+MS

16900.000	90.000	359.700	11519.197	49.689	0.000	53.576	0.000	49.689	0.000	0.000	53.588	41.357	-2.151	XOM_R2OWSG MWD+IFR1+MS
17000.000	90.000	359.700	11519.197	50.379	0.000	54.023	0.000	50.379	0.000	0.000	54.034	41.417	-2.118	XOM_R2OWSG MWD+IFR1+MS
17100.000	90.000	359.700	11519.197	51.069	0.000	54.465	0.000	51.069	0.000	0.000	54.476	41.477	-2.088	XOM_R2OWSG MWD+IFR1+MS
17200.000	90.000	359.700	11519.197	51.769	0.000	54.913	0.000	51.769	0.000	0.000	54.924	41.537	-2.058	XOM_R2OWSG MWD+IFR1+MS
17300.000	90.000	359.700	11519.197	52.469	0.000	55.376	0.000	52.469	0.000	0.000	55.387	41.597	-2.027	XOM_R2OWSG MWD+IFR1+MS
17400.000	90.000	359.700	11519.197	53.170	0.000	55.834	0.000	53.170	0.000	0.000	55.845	41.657	-1.998	XOM_R2OWSG MWD+IFR1+MS
17500.000	90.000	359.700	11519.197	53.870	0.000	56.298	0.000	53.870	0.000	0.000	56.309	41.729	-1.972	XOM_R2OWSG MWD+IFR1+MS
17600.000	90.000	359.700	11519.197	54.571	0.000	56.767	0.000	54.571	0.000	0.000	56.778	41.789	-1.944	XOM_R2OWSG MWD+IFR1+MS
17700.000	90.000	359.700	11519.197	55.281	0.000	57.232	0.000	55.281	0.000	0.000	57.243	41.860	-1.920	XOM_R2OWSG MWD+IFR1+MS
17800.000	90.000	359.700	11519.197	55.991	0.000	57.710	0.000	55.991	0.000	0.000	57.721	41.920	-1.893	XOM_R2OWSG MWD+IFR1+MS
17900.000	90.000	359.700	11519.197	56.701	0.000	58.194	0.000	56.701	0.000	0.000	58.204	41.991	-1.869	XOM_R2OWSG MWD+IFR1+MS
18000.000	90.000	359.700	11519.197	57.420	0.000	58.673	0.000	57.420	0.000	0.000	58.683	42.051	-1.844	XOM_R2OWSG MWD+IFR1+MS
18100.000	90.000	359.700	11519.197	58.129	0.000	59.157	0.000	58.129	0.000	0.000	59.167	42.122	-1.822	XOM_R2OWSG MWD+IFR1+MS
18200.000	90.000	359.700	11519.197	58.847	0.000	59.645	0.000	58.847	0.000	0.000	59.655	42.193	-1.799	XOM_R2OWSG MWD+IFR1+MS
18300.000	90.000	359.700	11519.197	59.565	0.000	60.146	0.000	59.565	0.000	0.000	60.156	42.264	-1.777	XOM_R2OWSG MWD+IFR1+MS
18400.000	90.000	359.700	11519.197	60.291	0.000	60.643	0.000	60.291	0.000	0.000	60.653	42.335	-1.755	XOM_R2OWSG MWD+IFR1+MS
18500.000	90.000	359.700	11519.197	61.008	0.000	61.136	0.000	61.008	0.000	0.000	61.146	42.405	-1.735	XOM_R2OWSG MWD+IFR1+MS
18600.000	90.000	359.700	11519.197	61.733	0.000	61.641	0.000	61.733	0.000	0.000	61.651	42.488	-1.715	XOM_R2OWSG MWD+IFR1+MS
18700.000	90.000	359.700	11519.197	62.458	0.000	62.150	0.000	62.458	0.000	0.000	62.159	42.558	-1.695	XOM_R2OWSG MWD+IFR1+MS
18800.000	90.000	359.700	11519.197	63.182	0.000	62.655	0.000	63.182	0.000	0.000	62.664	42.629	-1.675	XOM_R2OWSG MWD+IFR1+MS
18900.000	90.000	359.700	11519.197	63.914	0.000	63.171	0.000	63.914	0.000	0.000	63.181	42.711	-1.656	XOM_R2OWSG MWD+IFR1+MS
19000.000	90.000	359.700	11519.197	64.637	0.000	63.684	0.000	64.637	0.000	0.000	63.693	42.781	-1.638	XOM_R2OWSG MWD+IFR1+MS
19100.000	90.000	359.700	11519.197	65.368	0.000	64.200	0.000	65.368	0.000	0.000	64.209	42.862	-1.620	XOM_R2OWSG MWD+IFR1+MS
19200.000	90.000	359.700	11519.197	66.106	0.000	64.720	0.000	66.106	0.000	0.000	64.729	42.944	-1.603	XOM_R2OWSG MWD+IFR1+MS
19300.000	90.000	359.700	11519.197	66.836	0.000	65.243	0.000	66.836	0.000	0.000	65.252	43.025	-1.586	XOM_R2OWSG MWD+IFR1+MS
19400.000	90.000	359.700	11519.197	67.572	0.000	65.770	0.000	67.572	0.000	0.000	65.779	43.106	-1.569	XOM_R2OWSG MWD+IFR1+MS
19500.000	90.000	359.700	11519.197	68.301	0.000	66.300	0.000	68.301	0.000	0.000	66.309	43.187	-1.553	XOM_R2OWSG MWD+IFR1+MS
19600.000	90.000	359.700	11519.197	69.043	0.000	66.833	0.000	69.043	0.000	0.000	66.842	43.268	-1.537	XOM_R2OWSG MWD+IFR1+MS
19700.000	90.000	359.700	11519.197	69.778	0.000	67.362	0.000	69.778	0.000	0.000	67.371	43.349	-1.521	XOM_R2OWSG MWD+IFR1+MS
19800.000	90.000	359.700	11519.197	70.512	0.000	67.902	0.000	70.512	0.000	0.000	67.911	43.429	-1.506	XOM_R2OWSG MWD+IFR1+MS
19900.000	90.000	359.700	11519.197	71.253	0.000	68.437	0.000	71.253	0.000	0.000	68.446	43.521	-1.491	XOM_R2OWSG MWD+IFR1+MS
20000.000	90.000	359.700	11519.197	71.993	0.000	68.976	0.000	71.993	0.000	0.000	68.985	43.602	-1.477	XOM_R2OWSG MWD+IFR1+MS
20100.000	90.000	359.700	11519.197	72.739	0.000	69.518	0.000	72.739	0.000	0.000	69.526	43.682	-1.462	

														XOM_R2OWSG MWD+IFR1+MS
20200.000	90.000	359.700	11519.197	73.478	0.000	70.062	0.000	73.478	0.000	0.000	70.071	43.773	-1.448	XOM_R2OWSG MWD+IFR1+MS
20300.000	90.000	359.700	11519.197	74.223	0.000	70.610	0.000	74.223	0.000	0.000	70.618	43.864	-1.435	XOM_R2OWSG MWD+IFR1+MS
20400.000	90.000	359.700	11519.197	74.967	0.000	71.160	0.000	74.967	0.000	0.000	71.168	43.955	-1.422	XOM_R2OWSG MWD+IFR1+MS
20500.000	90.000	359.700	11519.197	75.710	0.000	71.713	0.000	75.710	0.000	0.000	71.721	44.035	-1.408	XOM_R2OWSG MWD+IFR1+MS
20600.000	90.000	359.700	11519.197	76.453	0.000	72.262	0.000	76.453	0.000	0.000	72.270	44.125	-1.396	XOM_R2OWSG MWD+IFR1+MS
20700.000	90.000	359.700	11519.197	77.201	0.000	72.820	0.000	77.201	0.000	0.000	72.828	44.227	-1.383	XOM_R2OWSG MWD+IFR1+MS
20800.000	90.000	359.700	11519.197	77.949	0.000	73.374	0.000	77.949	0.000	0.000	73.382	44.318	-1.371	XOM_R2OWSG MWD+IFR1+MS
20900.000	90.000	359.700	11519.197	78.696	0.000	73.931	0.000	78.696	0.000	0.000	73.939	44.408	-1.359	XOM_R2OWSG MWD+IFR1+MS
21000.000	90.000	359.700	11519.197	79.442	0.000	74.490	0.000	79.442	0.000	0.000	74.498	44.497	-1.347	XOM_R2OWSG MWD+IFR1+MS
21100.000	90.000	359.700	11519.197	80.194	0.000	75.059	0.000	80.194	0.000	0.000	75.067	44.598	-1.336	XOM_R2OWSG MWD+IFR1+MS
21200.000	90.000	359.700	11519.197	80.944	0.000	75.616	0.000	80.944	0.000	0.000	75.624	44.688	-1.325	XOM_R2OWSG MWD+IFR1+MS
21300.000	90.000	359.700	11519.197	81.695	0.000	76.183	0.000	81.695	0.000	0.000	76.191	44.788	-1.313	XOM_R2OWSG MWD+IFR1+MS
21400.000	90.000	359.700	11519.197	82.444	0.000	76.752	0.000	82.444	0.000	0.000	76.759	44.878	-1.302	XOM_R2OWSG MWD+IFR1+MS
21500.000	90.000	359.700	11519.197	83.199	0.000	77.316	0.000	83.199	0.000	0.000	77.324	44.978	-1.292	XOM_R2OWSG MWD+IFR1+MS
21600.000	90.000	359.700	11519.197	83.946	0.000	77.890	0.000	83.946	0.000	0.000	77.897	45.078	-1.281	XOM_R2OWSG MWD+IFR1+MS
21700.000	90.000	359.700	11519.197	84.699	0.000	78.459	0.000	84.699	0.000	0.000	78.467	45.177	-1.271	XOM_R2OWSG MWD+IFR1+MS
21800.000	90.000	359.700	11519.197	85.458	0.000	79.031	0.000	85.458	0.000	0.000	79.038	45.277	-1.261	XOM_R2OWSG MWD+IFR1+MS
21900.000	90.000	359.700	11519.197	86.209	0.000	79.611	0.000	86.209	0.000	0.000	79.618	45.376	-1.251	XOM_R2OWSG MWD+IFR1+MS
22000.000	90.000	359.700	11519.197	86.966	0.000	80.186	0.000	86.966	0.000	0.000	80.194	45.475	-1.241	XOM_R2OWSG MWD+IFR1+MS
22100.000	90.000	359.700	11519.197	87.721	0.000	80.764	0.000	87.721	0.000	0.000	80.772	45.574	-1.232	XOM_R2OWSG MWD+IFR1+MS
22200.000	90.000	359.700	11519.197	88.476	0.000	81.338	0.000	88.476	0.000	0.000	81.345	45.683	-1.223	XOM_R2OWSG MWD+IFR1+MS
22300.000	90.000	359.700	11519.197	89.230	0.000	81.920	0.000	89.230	0.000	0.000	81.927	45.781	-1.213	XOM_R2OWSG MWD+IFR1+MS
22400.000	90.000	359.700	11519.197	89.989	0.000	82.504	0.000	89.989	0.000	0.000	82.511	45.890	-1.204	XOM_R2OWSG MWD+IFR1+MS
22500.000	90.000	359.700	11519.197	90.741	0.000	83.084	0.000	90.741	0.000	0.000	83.091	45.988	-1.196	XOM_R2OWSG MWD+IFR1+MS
22600.000	90.000	359.700	11519.197	91.504	0.000	83.666	0.000	91.504	0.000	0.000	83.673	46.097	-1.186	XOM_R2OWSG MWD+IFR1+MS
22700.000	90.000	359.700	11519.197	92.261	0.000	84.255	0.000	92.261	0.000	0.000	84.262	46.205	-1.177	XOM_R2OWSG MWD+IFR1+MS
22800.000	90.000	359.700	11519.197	93.016	0.000	84.841	0.000	93.016	0.000	0.000	84.848	46.313	-1.169	XOM_R2OWSG MWD+IFR1+MS
22900.000	90.000	359.700	11519.197	93.776	0.000	85.428	0.000	93.776	0.000	0.000	85.435	46.421	-1.161	XOM_R2OWSG MWD+IFR1+MS
23000.000	90.000	359.700	11519.197	94.536	0.000	86.017	0.000	94.536	0.000	0.000	86.024	46.528	-1.153	XOM_R2OWSG MWD+IFR1+MS
23100.000	90.000	359.700	11519.197	95.294	0.000	86.608	0.000	95.294	0.000	0.000	86.615	46.636	-1.145	XOM_R2OWSG MWD+IFR1+MS
23200.000	90.000	359.700	11519.197	96.057	0.000	87.195	0.000	96.057	0.000	0.000	87.202	46.743	-1.137	XOM_R2OWSG MWD+IFR1+MS
23300.000	90.000	359.700	11519.197	96.814	0.000	87.789	0.000	96.814	0.000	0.000	87.796	46.849	-1.129	XOM_R2OWSG MWD+IFR1+MS

23400.000	90.000	359.700	11519.197	97.576	0.000	88.380	0.000	97.576	0.000	0.000	88.386	46.966	-1.122	XOM_R2OWSG MWD+IFR1+MS
23500.000	90.000	359.700	11519.197	98.341	0.000	88.978	0.000	98.341	0.000	0.000	88.984	47.073	-1.115	XOM_R2OWSG MWD+IFR1+MS
23600.000	90.000	359.700	11519.197	99.101	0.000	89.571	0.000	99.101	0.000	0.000	89.578	47.189	-1.107	XOM_R2OWSG MWD+IFR1+MS
23700.000	90.000	359.700	11519.197	99.865	0.000	90.167	0.000	99.865	0.000	0.000	90.173	47.306	-1.100	XOM_R2OWSG MWD+IFR1+MS
23800.000	90.000	359.700	11519.197	100.598	0.000	90.764	0.000	100.598	0.000	0.000	90.770	47.411	-1.092	XOM_R2OWSG MWD+IFR1+MS
23900.000	90.000	359.700	11519.197	101.341	0.000	91.362	0.000	101.341	0.000	0.000	91.368	47.527	-1.086	XOM_R2OWSG MWD+IFR1+MS
24000.000	90.000	359.700	11519.197	102.127	0.000	91.962	0.000	102.127	0.000	0.000	91.968	47.642	-1.079	XOM_R2OWSG MWD+IFR1+MS
24100.000	90.000	359.700	11519.197	102.908	0.000	92.564	0.000	102.908	0.000	0.000	92.570	47.758	-1.072	XOM_R2OWSG MWD+IFR1+MS
24200.000	90.000	359.700	11519.197	103.634	0.000	93.162	0.000	103.634	0.000	0.000	93.168	47.873	-1.066	XOM_R2OWSG MWD+IFR1+MS
24300.000	90.000	359.700	11519.197	104.403	0.000	93.766	0.000	104.403	0.000	0.000	93.772	47.987	-1.059	XOM_R2OWSG MWD+IFR1+MS
24400.000	90.000	359.700	11519.197	105.167	0.000	94.367	0.000	105.167	0.000	0.000	94.373	48.112	-1.052	XOM_R2OWSG MWD+IFR1+MS
24500.000	90.000	359.700	11519.197	105.972	0.000	94.969	0.000	105.972	0.000	0.000	94.975	48.226	-1.046	XOM_R2OWSG MWD+IFR1+MS
24600.000	90.000	359.700	11519.197	106.724	0.000	95.573	0.000	106.724	0.000	0.000	95.578	48.340	-1.039	XOM_R2OWSG MWD+IFR1+MS
24700.000	90.000	359.700	11519.197	107.471	0.000	96.178	0.000	107.471	0.000	0.000	96.183	48.464	-1.034	XOM_R2OWSG MWD+IFR1+MS
24800.000	90.000	359.700	11519.197	108.259	0.000	96.784	0.000	108.259	0.000	0.000	96.790	48.577	-1.027	XOM_R2OWSG MWD+IFR1+MS
24900.000	90.000	359.700	11519.197	108.995	0.000	97.392	0.000	108.995	0.000	0.000	97.397	48.701	-1.021	XOM_R2OWSG MWD+IFR1+MS
25000.000	90.000	359.700	11519.197	109.772	0.000	98.001	0.000	109.772	0.000	0.000	98.006	48.823	-1.016	XOM_R2OWSG MWD+IFR1+MS
25100.000	90.000	359.700	11519.197	110.544	0.000	98.606	0.000	110.544	0.000	0.000	98.612	48.946	-1.010	XOM_R2OWSG MWD+IFR1+MS
25200.000	90.000	359.700	11519.197	111.310	0.000	99.218	0.000	111.310	0.000	0.000	99.223	49.068	-1.004	XOM_R2OWSG MWD+IFR1+MS
25300.000	90.000	359.700	11519.197	112.071	0.000	99.826	0.000	112.071	0.000	0.000	99.831	49.191	-0.998	XOM_R2OWSG MWD+IFR1+MS
25400.000	90.000	359.700	11519.197	112.827	0.000	100.405	0.000	112.827	0.000	0.000	100.411	49.312	-0.993	XOM_R2OWSG MWD+IFR1+MS
25500.000	90.000	359.700	11519.197	113.622	0.000	101.050	0.000	113.622	0.000	0.000	101.056	49.434	-0.987	XOM_R2OWSG MWD+IFR1+MS
25600.000	90.000	359.700	11519.197	114.368	0.000	101.643	0.000	114.368	0.000	0.000	101.648	49.555	-0.982	XOM_R2OWSG MWD+IFR1+MS
25700.000	90.000	359.700	11519.197	115.152	0.000	102.231	0.000	115.152	0.000	0.000	102.237	49.686	-0.977	XOM_R2OWSG MWD+IFR1+MS
25800.000	90.000	359.700	11519.197	115.931	0.000	102.865	0.000	115.931	0.000	0.000	102.870	49.806	-0.971	XOM_R2OWSG MWD+IFR1+MS
25900.000	90.000	359.700	11519.197	116.705	0.000	103.495	0.000	116.705	0.000	0.000	103.500	49.937	-0.966	XOM_R2OWSG MWD+IFR1+MS
26000.000	90.000	359.700	11519.197	117.473	0.000	104.073	0.000	117.473	0.000	0.000	104.079	50.067	-0.962	XOM_R2OWSG MWD+IFR1+MS
26100.000	90.000	359.700	11519.197	118.237	0.000	104.696	0.000	118.237	0.000	0.000	104.701	50.186	-0.956	XOM_R2OWSG MWD+IFR1+MS
26200.000	90.000	359.700	11519.197	118.996	0.000	105.315	0.000	118.996	0.000	0.000	105.320	50.315	-0.951	XOM_R2OWSG MWD+IFR1+MS
26300.000	90.000	359.700	11519.197	119.750	0.000	105.930	0.000	119.750	0.000	0.000	105.936	50.444	-0.946	XOM_R2OWSG MWD+IFR1+MS
26400.000	90.000	359.700	11519.197	120.540	0.000	106.542	0.000	120.540	0.000	0.000	106.548	50.573	-0.942	XOM_R2OWSG MWD+IFR1+MS
26500.000	90.000	359.700	11519.197	121.285	0.000	107.197	0.000	121.285	0.000	0.000	107.203	50.701	-0.936	XOM_R2OWSG MWD+IFR1+MS
26600.000	90.000	359.700	11519.197	122.066	0.000	107.802	0.000	122.066	0.000	0.000	107.807	50.829	-0.931	

														XOM_R2OWSG MWD+IFR1+MS
26700.000	90.000	359.700	11519.197	122.841	0.000	108.403	0.000	122.841	0.000	0.000	108.408	50.967	-0.927	XOM_R2OWSG MWD+IFR1+MS
26800.000	90.000	359.700	11519.197	123.612	0.000	109.047	0.000	123.612	0.000	0.000	109.052	51.094	-0.922	XOM_R2OWSG MWD+IFR1+MS
26900.000	90.000	359.700	11519.197	124.378	0.000	109.642	0.000	124.378	0.000	0.000	109.647	51.221	-0.918	XOM_R2OWSG MWD+IFR1+MS
27000.000	90.000	359.700	11519.197	125.140	0.000	110.278	0.000	125.140	0.000	0.000	110.283	51.357	-0.913	XOM_R2OWSG MWD+IFR1+MS
27100.000	90.000	359.700	11519.197	125.936	0.000	110.911	0.000	125.936	0.000	0.000	110.916	51.484	-0.908	XOM_R2OWSG MWD+IFR1+MS
27200.000	90.000	359.700	11519.197	126.689	0.000	111.541	0.000	126.689	0.000	0.000	111.546	51.619	-0.904	XOM_R2OWSG MWD+IFR1+MS
27300.000	90.000	359.700	11519.197	127.475	0.000	112.122	0.000	127.475	0.000	0.000	112.127	51.755	-0.900	XOM_R2OWSG MWD+IFR1+MS
27400.000	90.000	359.700	11519.197	128.219	0.000	112.745	0.000	128.219	0.000	0.000	112.749	51.890	-0.896	XOM_R2OWSG MWD+IFR1+MS
27500.000	90.000	359.700	11519.197	128.996	0.000	113.408	0.000	128.996	0.000	0.000	113.413	52.024	-0.891	XOM_R2OWSG MWD+IFR1+MS
27600.000	90.000	359.700	11519.197	129.769	0.000	114.024	0.000	129.769	0.000	0.000	114.028	52.159	-0.887	XOM_R2OWSG MWD+IFR1+MS
27656.000	90.000	359.700	11519.000	130.231	0.000	114.374	0.000	130.231	0.000	0.000	114.379	52.235	-0.884	XOM_R2OWSG MWD+IFR1+MS

Plan Targets		PLU 23 Dog Town Draw 154H			
		Measured Depth	Grid Northing	Grid Easting	TVD MSL Target Shape
Target Name		(ft)	(ft)	(ft)	(ft)
PLU 23 DTD FTP 3		12136.39	440731.35	648565.47	8061.00 CIRCLE
PLU 23 DTD LTP 3		27527.00	456122.00	648506.86	8061.00 CIRCLE
PLU 23 DTD BHL 3		27656.86	456251.86	648505.97	8061.00 CIRCLE

Sec 23-24S-30E-NMP 2682435 Poker Lake Unit 23 DTD Federal Com 154H Eddy NMNM030452 XTO 13-22 44783 AM

Poker Lake Unit 23 DTD Federal Com 154H

9 5/8	surface csg in a	12 1/4	inch hole.	Design Factors					Surface		
Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	40.00	J 55	BTC	24.68	8.43	1.86	638	14	3.19	15.62	25,520
"B"			BTC				0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,500				Tail Cmt	does not	circ to sfc.	Totals:	638			25,520
Comparison of Proposed to Minimum Required Cement Volumes											
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE			Min Dist Hole-Cplg
12 1/4	0.3132	240	381	200	91	9.20	1239	2M			0.81
Site plat (pipe racks S or E) as per O.O.D.I.I.D.4.1. not found.											

7 5/8	casing inside the	9 5/8	Design Factors					Int 1			
Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	29.70	RY P 110	Flush Joint	4.70	2.52	1.44	4,000	4	2.23	4.32	118,800
"B"	29.70	HCL 80	Flush Joint	∞	2.73	1.05	6,627	3	1.62	4.66	196,822
w/8.4#/g mud, 30min Sfc Csg Test psig:							Totals:	10,627			315,622
The cement volume(s) are intended to achieve a top of					0	ft from surface or a		638			overlap.
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE			Min Dist Hole-Cplg
8 3/4	0.1005	740	1482	1073	38	10.20	4246	5M			0.56

Tail cmt											
5 1/2	casing inside the	7 5/8	Design Factors					Prod 1			
Segment	#/ft	Grade	Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	20.00	RY P 110	Semi-Premiur	3.04	1.69	1.93	10,527	2	2.98	2.61	210,540
"B"	20.00	RY P 110	Semi-Flush	∞	1.69	1.93	17,130	2	2.98	2.61	342,600
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,316						Totals:		27,657	553,140		
The cement volume(s) are intended to achieve a top of					10400	ft from surface or a		227	overlap.		
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd			Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE			Hole-Cplg
6 3/4	0.0835	1230	1881	1443	30	12.00					0.23
Class 'C' tail cmt yld > 1.35											

#N/A											
0	5 1/2	Design Factors					<Choose Casing>				
Segment	#/ft	Grade	Coupling	#N/A	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"			0.00				0				0
"B"			0.00				0				0
w/8.4#/g mud, 30min Sfc Csg Test psig:							Totals:	0			0
Cmt vol calc below includes this csg, TOC intended				#N/A	ft from surface or a	#N/A					overlap.
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE			Min Dist Hole-Cplg
0		#N/A	#N/A	0	#N/A						
#N/A Capitan Reef est top XXXX.											

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Permian Operating
WELL NAME & NO.:	Poker Lake Unit 23 DTD Federal Com 154H
LOCATION:	Sec 23-24S-30E-NMP
COUNTY:	Eddy County, New Mexico

Updated COAs per Sundry 2682435; approved through engineering on August 08, 2022.

COA

H2S	☐ Yes	☒ No	
Potash	☒ None	☐ Secretary	☐ R-111-P
Cave/Karst Potential	☒ Low	☐ Medium	☐ High
Cave/Karst Potential	☐ Critical		
Variance	☐ None	☒ Flex Hose	☐ Other
Wellhead	☐ Conventional	☒ Multibowl	☐ Both
Other	☐ 4 String Area	☐ Capitan Reef	☐ WIPP
Other	☐ Fluid Filled	☐ Cement Squeeze	☐ Pilot Hole
Special Requirements	☐ Water Disposal	☒ COM	☐ Unit

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

B. CASING

1. The **9-5/8** inch surface casing shall be set at approximately 620 feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)

- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
 - b. Second stage above DV tool:
 - Cement to surface. If cement does not circulate, contact the appropriate BLM office.
3. The minimum required fill of cement behind the **5-1/2** inch production casing is:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.

- e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

☒ Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,
(575) 361-2822

☒ Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575)
689-5981

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure

- rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
- b. When the operator proposes to set surface casing with Spudder Rig
- Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.

4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.

- b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
 - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- 5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time, except the casing pressure test can be initiated immediately after bumping the plug (only applies to single stage cement jobs).
 - c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
 - d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall

have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.

- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

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 134397

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 134397
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD Conditions of Approval	8/18/2022