

Well Name: POKER LAKE 23 DTD FEDERAL COM	Well Location: T24S / R30E / SEC 23 / NENW /	County or Parish/State:
Well Number: 125H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM030452	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001549644	Well Status: Approved Application for Permit to Drill	Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2682433

Type of Submission: Notice of Intent **Type of Action:** Other

Date Sundry Submitted: 07/15/2022 **Time Sundry Submitted:** 05:39

Date proposed operation will begin: 08/14/2022

Procedure Description: **Surface hole location change, 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: Change SHL from 337'FNL & 1822'FWL to 262'FNL & 1882'FWL, Section 23-T24S-R30E for drilling efficiencies and operational safety. No Additional Surface Disturbance. Change BHL from 200'FNL & 2090'FEL to 200'FNL & 1650'FWL, Section 2-T24S-R30E Change FTP fr/100'FSL & 2090'FEL to 100'FSL & 1650'FWL Change LTP fr/330'FNL & 2090'FEL to 330'FNL & 1650'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_125H_Attachments_20220715173824.pdf

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Conditions of Approval

Additional

Sec_23_24S_30E_NMP_2682433_Poker_Lake_Unit_23_DTD_Federal_Com_125H_Eddy_NMNM030452_XTO_13_22_44783_AM_20220810094535.pdf

Sec_23_24S_30E_NMP_2682433_Poker_Lake_Unit_23_DTD_Federal_Com_125H_Eddy_NMNM030452_COAs_20220810094535.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 05:38 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 30-015-49644	² Pool Code 98220	³ Pool Name Purple Sage, Woldfamp
⁴ Property Code 332954	⁵ Property Name POKER LAKE 23 DTD FEDERAL COM	⁶ Well Number 125H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC	⁹ Elevation 3,432'

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		262	NORTH	1,882	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	1,650	WEST	EDDY

¹² Dedicated Acres 960.33	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) Y = 440,428.2 X = 689,526.3 LAT. = 32.209906 °N LONG. = 103.854194 °W FTP (NAD83 NME) Y = 440,788.0 X = 689,293.5 LAT. = 32.210898 °N LONG. = 103.854942 °W CORNER COORDINATES (NAD83 NME) <table border="0"> <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) Y = 440,369.1 X = 648,342.5 LAT. = 32.209782 °N LONG. = 103.853708 °W FTP (NAD27 NME) Y = 440,729.0 X = 648,109.8 LAT. = 32.210774 °N LONG. = 103.854455 °W CORNER COORDINATES (NAD27 NME) <table border="0"> <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	LOT ACREAGE TABLE SECTION 2 LOT 3 - 40.23 ACRES GRID AZ. = 359°46'48" HORIZ. DIST. = 15,523.32' GRID AZ. = 327°05'31" HORIZ. DIST. = 428.55'	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 2019051499
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DRILLING PLAN: BLM COMPLIANCE
(Supplement to BLM 3160-3)

XTO Energy Inc.

PLU 23 Dog Town Draw 125H

Projected TD: 27370' MD / 11224' TVD

SHL: 262' FNL & 1882' FWL , Section 23, T24S, R30E

BHL: 200' FNL & 1650' 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
Target/Land Curve	11224'	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 10341' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 27370 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 10041 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	1.34	8.90	24.69
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	2.23	2.65	1.82
8.75	4000' – 10341'	7.625	29.7	HC L-80	Flush Joint	New	1.62	1.94	2.16
6.75	0' – 10241'	5.5	23	RY P-110	Semi-Premium	New	1.21	2.37	1.71
6.75	10241' - 27370'	5.5	23	RY P-110	Semi-Flush	New	1.21	2.17	1.85

- 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 +/- 10341'

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: 370 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, 23 New Semi-Flush, RY P-110 casing to be set at +/- 27370'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 10041 feet

Tail: 1210 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 10541 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 4243 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' - 10341'	8.75	FW / Cut Brine / Direct Emulsion	9.7-10.2	30-32	NC
10341' - 27370'	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 175 to 195 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 6712 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 125H

Measured Depth:	27369.87 ft	Site:	PLU 23 DTD PAD B
TVD RKB:	11224.00 ft	Slot:	PLU 23 Dog Town Draw 125H
Location			
Cartographic Reference System:	New Mexico East - NAD 27		
Northing:	440368.10 ft		
Easting:	648358.32 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 125H									
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	
1824.14	6.48	203.34	1823.45	-16.82	-7.26	2.00	0.00	2.00	
6708.47	6.48	203.34	6676.55	-523.18	-225.70	0.00	0.00	0.00	
7032.61	0.00	0.00	7000.00	-540.00	-232.96	-2.00	0.00	2.00	
10540.61	0.00	0.00	10508.00	-540.00	-232.96	0.00	0.00	0.00	
11665.61	90.00	359.79	11224.20	176.19	-235.55	8.00	0.00	8.00	PLU 23 DTD BHL 7
27369.87	90.00	359.79	11224.00	15880.35	-292.26	0.00	0.00	0.00	PLU 23 DTD BHL 7

Position Uncertainty																
PLU 23 Dog Town Draw 125H																
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	2.394	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	3.226	0.000	3.226	0.000	2.511	0.000			0.000	3.226	3.226	0.000	XOM_R2OWSG MWD+IFR1+MS
1000.000	0.000	0.000	1000.000	3.585	0.000	3.585	0.000	2.560	0.000			0.000	3.585	3.585	0.000	XOM_R2OWSG MWD+IFR1+MS

1100.000	0.000	0.000	1100.000	3.943	0.000	3.943	0.000	2.613	0.000	0.000	3.943	3.943	0.000	XOM_R2OWSG MWD+IFR1+MS
1200.000	0.000	0.000	1200.000	4.302	0.000	4.302	0.000	2.670	0.000	0.000	4.302	4.302	0.000	XOM_R2OWSG MWD+IFR1+MS
1300.000	0.000	0.000	1300.000	4.660	0.000	4.660	0.000	2.731	0.000	0.000	4.660	4.660	0.000	XOM_R2OWSG MWD+IFR1+MS
1400.000	0.000	0.000	1400.000	5.019	0.000	5.019	0.000	2.797	0.000	0.000	5.019	5.019	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	2.000	203.336	1599.980	5.715	-0.000	5.718	0.000	2.938	0.000	0.000	5.718	5.718	135.000	XOM_R2OWSG MWD+IFR1+MS
1700.000	4.000	203.336	1699.838	6.033	-0.000	6.045	0.000	3.013	0.000	0.000	6.046	6.045	128.764	XOM_R2OWSG MWD+IFR1+MS
1800.000	6.000	203.336	1799.452	6.348	-0.000	6.375	0.000	3.089	0.000	0.000	6.377	6.375	128.672	XOM_R2OWSG MWD+IFR1+MS
1824.144	6.483	203.336	1823.453	6.423	-0.000	6.455	0.000	3.105	0.000	0.000	6.459	6.455	123.544	XOM_R2OWSG MWD+IFR1+MS
1900.000	6.483	203.336	1898.824	6.676	-0.000	6.708	0.000	3.169	0.000	0.000	6.711	6.708	133.974	XOM_R2OWSG MWD+IFR1+MS
2000.000	6.483	203.336	1998.184	7.012	-0.000	7.044	0.000	3.256	0.000	0.000	7.045	7.043	-20.341	XOM_R2OWSG MWD+IFR1+MS
2100.000	6.483	203.336	2097.545	7.352	-0.000	7.383	0.000	3.348	0.000	0.000	7.384	7.381	-4.929	XOM_R2OWSG MWD+IFR1+MS
2200.000	6.483	203.336	2196.905	7.694	-0.000	7.724	0.000	3.442	0.000	0.000	7.724	7.721	1.085	XOM_R2OWSG MWD+IFR1+MS
2300.000	6.483	203.336	2296.266	8.038	-0.000	8.067	0.000	3.540	0.000	0.000	8.067	8.063	3.802	XOM_R2OWSG MWD+IFR1+MS
2400.000	6.483	203.336	2395.627	8.384	-0.000	8.411	0.000	3.642	0.000	0.000	8.412	8.407	5.142	XOM_R2OWSG MWD+IFR1+MS
2500.000	6.483	203.336	2494.987	8.732	-0.000	8.757	0.000	3.746	0.000	0.000	8.758	8.752	5.753	XOM_R2OWSG MWD+IFR1+MS
2600.000	6.483	203.336	2594.348	9.081	-0.000	9.104	0.000	3.854	0.000	0.000	9.105	9.099	5.884	XOM_R2OWSG MWD+IFR1+MS
2700.000	6.483	203.336	2693.708	9.432	-0.000	9.453	0.000	3.964	0.000	0.000	9.453	9.448	5.624	XOM_R2OWSG MWD+IFR1+MS
2800.000	6.483	203.336	2793.069	9.784	-0.000	9.802	0.000	4.077	0.000	0.000	9.803	9.798	4.970	XOM_R2OWSG MWD+IFR1+MS
2900.000	6.483	203.336	2892.429	10.137	-0.000	10.153	0.000	4.193	0.000	0.000	10.153	10.148	3.844	XOM_R2OWSG MWD+IFR1+MS
3000.000	6.483	203.336	2991.790	10.491	-0.000	10.504	0.000	4.312	0.000	0.000	10.505	10.500	2.059	XOM_R2OWSG MWD+IFR1+MS
3100.000	6.483	203.336	3091.151	10.846	-0.000	10.856	0.000	4.434	0.000	0.000	10.857	10.853	-0.754	XOM_R2OWSG MWD+IFR1+MS
3200.000	6.483	203.336	3190.511	11.202	-0.000	11.209	0.000	4.559	0.000	0.000	11.210	11.206	-5.326	XOM_R2OWSG MWD+IFR1+MS
3300.000	6.483	203.336	3289.872	11.558	-0.000	11.562	0.000	4.686	0.000	0.000	11.563	11.561	-12.972	XOM_R2OWSG MWD+IFR1+MS
3400.000	6.483	203.336	3389.232	11.916	-0.000	11.916	0.000	4.815	0.000	0.000	11.917	11.915	-24.970	XOM_R2OWSG MWD+IFR1+MS
3500.000	6.483	203.336	3488.593	12.273	-0.000	12.271	0.000	4.948	0.000	0.000	12.273	12.270	-38.904	XOM_R2OWSG MWD+IFR1+MS
3600.000	6.483	203.336	3587.953	12.632	-0.000	12.626	0.000	5.083	0.000	0.000	12.628	12.625	130.454	XOM_R2OWSG MWD+IFR1+MS
3700.000	6.483	203.336	3687.314	12.990	-0.000	12.981	0.000	5.221	0.000	0.000	12.985	12.981	123.883	XOM_R2OWSG MWD+IFR1+MS
3800.000	6.483	203.336	3786.674	13.350	-0.000	13.337	0.000	5.361	0.000	0.000	13.342	13.337	119.858	XOM_R2OWSG MWD+IFR1+MS
3900.000	6.483	203.336	3886.035	13.709	-0.000	13.693	0.000	5.504	0.000	0.000	13.700	13.693	117.253	XOM_R2OWSG MWD+IFR1+MS
4000.000	6.483	203.336	3985.396	14.069	-0.000	14.050	0.000	5.649	0.000	0.000	14.058	14.050	115.467	XOM_R2OWSG MWD+IFR1+MS
4100.000	6.483	203.336	4084.756	14.430	-0.000	14.406	0.000	5.797	0.000	0.000	14.416	14.406	114.183	XOM_R2OWSG MWD+IFR1+MS
4200.000	6.483	203.336	4184.117	14.791	-0.000	14.764	0.000	5.947	0.000	0.000	14.775	14.764	113.223	XOM_R2OWSG MWD+IFR1+MS

4300.000	6.483	203.336	4283.477	15.152	-0.000	15.121	0.000	6.100	0.000	0.000	15.134	15.121	112.483	XOM_R2OWSG MWD+IFR1+MS
4400.000	6.483	203.336	4382.838	15.513	-0.000	15.479	0.000	6.256	0.000	0.000	15.493	15.479	111.899	XOM_R2OWSG MWD+IFR1+MS
4500.000	6.483	203.336	4482.198	15.875	-0.000	15.837	0.000	6.414	0.000	0.000	15.853	15.837	111.428	XOM_R2OWSG MWD+IFR1+MS
4600.000	6.483	203.336	4581.559	16.237	-0.000	16.195	0.000	6.574	0.000	0.000	16.213	16.195	111.042	XOM_R2OWSG MWD+IFR1+MS
4700.000	6.483	203.336	4680.920	16.599	-0.000	16.553	0.000	6.738	0.000	0.000	16.573	16.553	110.721	XOM_R2OWSG MWD+IFR1+MS
4800.000	6.483	203.336	4780.280	16.961	-0.000	16.912	0.000	6.903	0.000	0.000	16.933	16.912	110.451	XOM_R2OWSG MWD+IFR1+MS
4900.000	6.483	203.336	4879.641	17.324	-0.000	17.270	0.000	7.071	0.000	0.000	17.294	17.270	110.221	XOM_R2OWSG MWD+IFR1+MS
5000.000	6.483	203.336	4979.001	17.687	-0.000	17.629	0.000	7.242	0.000	0.000	17.655	17.629	110.025	XOM_R2OWSG MWD+IFR1+MS
5100.000	6.483	203.336	5078.362	18.050	-0.000	17.988	0.000	7.416	0.000	0.000	18.016	17.988	109.855	XOM_R2OWSG MWD+IFR1+MS
5200.000	6.483	203.336	5177.722	18.413	-0.000	18.348	0.000	7.592	0.000	0.000	18.377	18.347	109.707	XOM_R2OWSG MWD+IFR1+MS
5300.000	6.483	203.336	5277.083	18.776	-0.000	18.707	0.000	7.770	0.000	0.000	18.739	18.707	109.577	XOM_R2OWSG MWD+IFR1+MS
5400.000	6.483	203.336	5376.444	19.139	-0.000	19.066	0.000	7.951	0.000	0.000	19.100	19.066	109.464	XOM_R2OWSG MWD+IFR1+MS
5500.000	6.483	203.336	5475.804	19.503	-0.000	19.426	0.000	8.135	0.000	0.000	19.462	19.426	109.364	XOM_R2OWSG MWD+IFR1+MS
5600.000	6.483	203.336	5575.165	19.867	-0.000	19.786	0.000	8.321	0.000	0.000	19.824	19.786	109.275	XOM_R2OWSG MWD+IFR1+MS
5700.000	6.483	203.336	5674.525	20.231	-0.000	20.146	0.000	8.510	0.000	0.000	20.186	20.145	109.196	XOM_R2OWSG MWD+IFR1+MS
5800.000	6.483	203.336	5773.886	20.595	-0.000	20.506	0.000	8.701	0.000	0.000	20.548	20.505	109.126	XOM_R2OWSG MWD+IFR1+MS
5900.000	6.483	203.336	5873.246	20.959	-0.000	20.866	0.000	8.895	0.000	0.000	20.911	20.865	109.063	XOM_R2OWSG MWD+IFR1+MS
6000.000	6.483	203.336	5972.607	21.323	-0.000	21.226	0.000	9.092	0.000	0.000	21.273	21.226	109.007	XOM_R2OWSG MWD+IFR1+MS
6100.000	6.483	203.336	6071.967	21.687	-0.000	21.586	0.000	9.291	0.000	0.000	21.636	21.586	108.957	XOM_R2OWSG MWD+IFR1+MS
6200.000	6.483	203.336	6171.328	22.052	-0.000	21.947	0.000	9.493	0.000	0.000	21.998	21.946	108.912	XOM_R2OWSG MWD+IFR1+MS
6300.000	6.483	203.336	6270.689	22.416	-0.000	22.307	0.000	9.698	0.000	0.000	22.361	22.307	108.872	XOM_R2OWSG MWD+IFR1+MS
6400.000	6.483	203.336	6370.049	22.781	-0.000	22.667	0.000	9.905	0.000	0.000	22.724	22.667	108.836	XOM_R2OWSG MWD+IFR1+MS
6500.000	6.483	203.336	6469.410	23.146	-0.000	23.028	0.000	10.115	0.000	0.000	23.087	23.028	108.803	XOM_R2OWSG MWD+IFR1+MS
6600.000	6.483	203.336	6568.770	23.510	-0.000	23.389	0.000	10.328	0.000	0.000	23.450	23.388	108.774	XOM_R2OWSG MWD+IFR1+MS
6708.471	6.483	203.336	6676.547	23.906	-0.000	23.780	0.000	10.561	0.000	0.000	23.844	23.780	108.746	XOM_R2OWSG MWD+IFR1+MS
6800.000	4.652	203.336	6767.641	24.246	-0.000	24.109	0.000	10.761	0.000	0.000	24.175	24.109	108.692	XOM_R2OWSG MWD+IFR1+MS
6900.000	2.652	203.336	6867.433	24.590	-0.000	24.467	0.000	10.980	0.000	0.000	24.533	24.466	108.592	XOM_R2OWSG MWD+IFR1+MS
7000.000	0.652	203.336	6967.386	24.905	-0.000	24.821	0.000	11.200	0.000	0.000	24.887	24.821	108.439	XOM_R2OWSG MWD+IFR1+MS
7032.615	0.000	0.000	7000.000	24.992	0.000	24.939	0.000	11.272	0.000	0.000	24.998	24.933	108.428	XOM_R2OWSG MWD+IFR1+MS
7100.000	0.000	0.000	7067.385	25.215	0.000	25.164	0.000	11.420	0.000	0.000	25.221	25.158	108.518	XOM_R2OWSG MWD+IFR1+MS
7200.000	0.000	0.000	7167.385	25.547	0.000	25.498	0.000	11.643	0.000	0.000	25.553	25.492	108.660	XOM_R2OWSG MWD+IFR1+MS
7300.000	0.000	0.000	7267.385	25.879	0.000	25.833	0.000	11.869	0.000	0.000	25.885	25.827	108.812	XOM_R2OWSG MWD+IFR1+MS
7400.000	0.000	0.000	7367.385	26.212	0.000	26.169	0.000	12.098	0.000	0.000	26.218	26.163	108.976	

															XOM_R2OWSG MWD+IFR1+MS
7500.000	0.000	0.000	7467.385	26.546	0.000	26.505	0.000	12.329	0.000	0.000	26.551	26.499	109.154	XOM_R2OWSG MWD+IFR1+MS	
7600.000	0.000	0.000	7567.385	26.880	0.000	26.841	0.000	12.564	0.000	0.000	26.885	26.836	109.347	XOM_R2OWSG MWD+IFR1+MS	
7700.000	0.000	0.000	7667.385	27.215	0.000	27.179	0.000	12.801	0.000	0.000	27.220	27.174	109.557	XOM_R2OWSG MWD+IFR1+MS	
7800.000	0.000	0.000	7767.385	27.550	0.000	27.517	0.000	13.042	0.000	0.000	27.555	27.511	109.786	XOM_R2OWSG MWD+IFR1+MS	
7900.000	0.000	0.000	7867.385	27.887	0.000	27.855	0.000	13.285	0.000	0.000	27.891	27.850	110.038	XOM_R2OWSG MWD+IFR1+MS	
8000.000	0.000	0.000	7967.385	28.223	0.000	28.194	0.000	13.531	0.000	0.000	28.228	28.189	110.316	XOM_R2OWSG MWD+IFR1+MS	
8100.000	0.000	0.000	8067.385	28.560	0.000	28.533	0.000	13.781	0.000	0.000	28.565	28.528	110.623	XOM_R2OWSG MWD+IFR1+MS	
8200.000	0.000	0.000	8167.385	28.898	0.000	28.873	0.000	14.033	0.000	0.000	28.902	28.868	110.965	XOM_R2OWSG MWD+IFR1+MS	
8300.000	0.000	0.000	8267.385	29.236	0.000	29.213	0.000	14.288	0.000	0.000	29.241	29.209	111.349	XOM_R2OWSG MWD+IFR1+MS	
8400.000	0.000	0.000	8367.385	29.575	0.000	29.554	0.000	14.546	0.000	0.000	29.579	29.549	111.780	XOM_R2OWSG MWD+IFR1+MS	
8500.000	0.000	0.000	8467.385	29.914	0.000	29.895	0.000	14.807	0.000	0.000	29.918	29.891	112.270	XOM_R2OWSG MWD+IFR1+MS	
8600.000	0.000	0.000	8567.385	30.254	0.000	30.236	0.000	15.071	0.000	0.000	30.258	30.232	112.831	XOM_R2OWSG MWD+IFR1+MS	
8700.000	0.000	0.000	8667.385	30.594	0.000	30.578	0.000	15.338	0.000	0.000	30.597	30.574	113.478	XOM_R2OWSG MWD+IFR1+MS	
8800.000	0.000	0.000	8767.385	30.934	0.000	30.920	0.000	15.608	0.000	0.000	30.938	30.917	114.232	XOM_R2OWSG MWD+IFR1+MS	
8900.000	0.000	0.000	8867.385	31.275	0.000	31.263	0.000	15.881	0.000	0.000	31.278	31.259	115.121	XOM_R2OWSG MWD+IFR1+MS	
9000.000	0.000	0.000	8967.385	31.616	0.000	31.606	0.000	16.157	0.000	0.000	31.620	31.602	116.182	XOM_R2OWSG MWD+IFR1+MS	
9100.000	0.000	0.000	9067.385	31.958	0.000	31.949	0.000	16.436	0.000	0.000	31.961	31.946	117.467	XOM_R2OWSG MWD+IFR1+MS	
9200.000	0.000	0.000	9167.385	32.300	0.000	32.292	0.000	16.718	0.000	0.000	32.303	32.289	119.047	XOM_R2OWSG MWD+IFR1+MS	
9300.000	0.000	0.000	9267.385	32.642	0.000	32.636	0.000	17.002	0.000	0.000	32.645	32.633	121.025	XOM_R2OWSG MWD+IFR1+MS	
9400.000	0.000	0.000	9367.385	32.985	0.000	32.981	0.000	17.290	0.000	0.000	32.988	32.977	123.542	XOM_R2OWSG MWD+IFR1+MS	
9500.000	0.000	0.000	9467.385	33.328	0.000	33.325	0.000	17.581	0.000	0.000	33.331	33.322	126.795	XOM_R2OWSG MWD+IFR1+MS	
9600.000	0.000	0.000	9567.385	33.671	0.000	33.670	0.000	17.875	0.000	0.000	33.675	33.667	131.030	XOM_R2OWSG MWD+IFR1+MS	
9700.000	0.000	0.000	9667.385	34.015	0.000	34.015	0.000	18.171	0.000	0.000	34.018	34.011	-43.521	XOM_R2OWSG MWD+IFR1+MS	
9800.000	0.000	0.000	9767.385	34.359	0.000	34.361	0.000	18.471	0.000	0.000	34.363	34.356	-36.828	XOM_R2OWSG MWD+IFR1+MS	
9900.000	0.000	0.000	9867.385	34.703	0.000	34.706	0.000	18.774	0.000	0.000	34.708	34.701	-29.344	XOM_R2OWSG MWD+IFR1+MS	
10000.000	0.000	0.000	9967.385	35.047	0.000	35.052	0.000	19.079	0.000	0.000	35.053	35.047	-21.991	XOM_R2OWSG MWD+IFR1+MS	
10100.000	0.000	0.000	10067.385	35.392	0.000	35.398	0.000	19.388	0.000	0.000	35.399	35.392	-15.602	XOM_R2OWSG MWD+IFR1+MS	
10200.000	0.000	0.000	10167.385	35.737	0.000	35.745	0.000	19.699	0.000	0.000	35.745	35.737	-10.486	XOM_R2OWSG MWD+IFR1+MS	
10300.000	0.000	0.000	10267.385	36.083	0.000	36.091	0.000	20.014	0.000	0.000	36.091	36.083	-6.532	XOM_R2OWSG MWD+IFR1+MS	
10400.000	0.000	0.000	10367.385	36.428	0.000	36.438	0.000	20.332	0.000	0.000	36.438	36.428	-3.493	XOM_R2OWSG MWD+IFR1+MS	
10500.000	0.000	0.000	10467.385	36.774	0.000	36.785	0.000	20.652	0.000	0.000	36.785	36.774	-1.133	XOM_R2OWSG MWD+IFR1+MS	
10540.615	0.000	0.000	10508.000	36.915	0.000	36.926	0.000	20.783	0.000	0.000	36.926	36.915	-0.325	XOM_R2OWSG MWD+IFR1+MS	

10600.000	4.751	359.793	10567.317	36.914	0.000	37.131	0.000	20.974	0.000	0.000	37.131	37.117	1.462	XOM_R2OWSG MWD+IFR1+MS
10700.000	12.751	359.793	10666.073	36.514	0.000	37.465	0.000	21.288	0.000	0.000	37.465	37.442	4.388	XOM_R2OWSG MWD+IFR1+MS
10800.000	20.751	359.793	10761.752	35.634	0.000	37.783	0.000	21.585	0.000	0.000	37.783	37.738	5.083	XOM_R2OWSG MWD+IFR1+MS
10900.000	28.751	359.793	10852.492	34.319	0.000	38.079	0.000	21.859	0.000	0.000	38.080	37.999	4.562	XOM_R2OWSG MWD+IFR1+MS
11000.000	36.751	359.793	10936.527	32.641	0.000	38.350	0.000	22.109	0.000	0.000	38.351	38.219	3.747	XOM_R2OWSG MWD+IFR1+MS
11100.000	44.751	359.793	11012.221	30.702	0.000	38.593	0.000	22.332	0.000	0.000	38.594	38.396	2.912	XOM_R2OWSG MWD+IFR1+MS
11200.000	52.751	359.793	11078.101	28.638	0.000	38.805	0.000	22.533	0.000	0.000	38.806	38.530	2.110	XOM_R2OWSG MWD+IFR1+MS
11300.000	60.751	359.793	11132.884	26.629	0.000	38.985	0.000	22.715	0.000	0.000	38.986	38.625	1.336	XOM_R2OWSG MWD+IFR1+MS
11400.000	68.751	359.793	11175.505	24.893	0.000	39.131	0.000	22.884	0.000	0.000	39.131	38.685	0.569	XOM_R2OWSG MWD+IFR1+MS
11500.000	76.751	359.793	11205.134	23.672	0.000	39.242	0.000	23.048	0.000	0.000	39.242	38.718	-0.221	XOM_R2OWSG MWD+IFR1+MS
11600.000	84.751	359.793	11221.194	23.182	0.000	39.316	0.000	23.211	0.000	0.000	39.316	38.733	-1.085	XOM_R2OWSG MWD+IFR1+MS
11665.615	90.000	359.793	11224.197	23.319	0.000	39.344	0.000	23.319	0.000	0.000	39.344	38.738	-1.730	XOM_R2OWSG MWD+IFR1+MS
11700.000	90.000	359.793	11224.197	23.377	0.000	39.355	0.000	23.377	0.000	0.000	39.355	38.740	-2.085	XOM_R2OWSG MWD+IFR1+MS
11800.000	90.000	359.793	11224.197	23.564	0.000	39.396	0.000	23.564	0.000	0.000	39.397	38.745	-3.017	XOM_R2OWSG MWD+IFR1+MS
11900.000	90.000	359.793	11224.197	23.775	0.000	39.448	0.000	23.775	0.000	0.000	39.450	38.752	-3.796	XOM_R2OWSG MWD+IFR1+MS
12000.000	90.000	359.793	11224.197	24.010	0.000	39.511	0.000	24.010	0.000	0.000	39.515	38.759	-4.417	XOM_R2OWSG MWD+IFR1+MS
12100.000	90.000	359.793	11224.197	24.269	0.000	39.585	0.000	24.269	0.000	0.000	39.591	38.767	-4.891	XOM_R2OWSG MWD+IFR1+MS
12200.000	90.000	359.793	11224.197	24.549	0.000	39.671	0.000	24.549	0.000	0.000	39.678	38.776	-5.234	XOM_R2OWSG MWD+IFR1+MS
12300.000	90.000	359.793	11224.197	24.851	0.000	39.767	0.000	24.851	0.000	0.000	39.775	38.787	-5.468	XOM_R2OWSG MWD+IFR1+MS
12400.000	90.000	359.793	11224.197	25.174	0.000	39.874	0.000	25.174	0.000	0.000	39.884	38.798	-5.612	XOM_R2OWSG MWD+IFR1+MS
12500.000	90.000	359.793	11224.197	25.518	0.000	39.993	0.000	25.518	0.000	0.000	40.003	38.811	-5.684	XOM_R2OWSG MWD+IFR1+MS
12600.000	90.000	359.793	11224.197	25.880	0.000	40.122	0.000	25.880	0.000	0.000	40.133	38.825	-5.702	XOM_R2OWSG MWD+IFR1+MS
12700.000	90.000	359.793	11224.197	26.261	0.000	40.261	0.000	26.261	0.000	0.000	40.274	38.840	-5.678	XOM_R2OWSG MWD+IFR1+MS
12800.000	90.000	359.793	11224.197	26.659	0.000	40.411	0.000	26.659	0.000	0.000	40.425	38.856	-5.623	XOM_R2OWSG MWD+IFR1+MS
12900.000	90.000	359.793	11224.197	27.075	0.000	40.572	0.000	27.075	0.000	0.000	40.586	38.873	-5.545	XOM_R2OWSG MWD+IFR1+MS
13000.000	90.000	359.793	11224.197	27.506	0.000	40.743	0.000	27.506	0.000	0.000	40.758	38.892	-5.451	XOM_R2OWSG MWD+IFR1+MS
13100.000	90.000	359.793	11224.197	27.953	0.000	40.924	0.000	27.953	0.000	0.000	40.940	38.911	-5.346	XOM_R2OWSG MWD+IFR1+MS
13200.000	90.000	359.793	11224.197	28.415	0.000	41.115	0.000	28.415	0.000	0.000	41.131	38.932	-5.234	XOM_R2OWSG MWD+IFR1+MS
13300.000	90.000	359.793	11224.197	28.890	0.000	41.316	0.000	28.890	0.000	0.000	41.332	38.954	-5.118	XOM_R2OWSG MWD+IFR1+MS
13400.000	90.000	359.793	11224.197	29.379	0.000	41.526	0.000	29.379	0.000	0.000	41.544	38.977	-5.000	XOM_R2OWSG MWD+IFR1+MS
13500.000	90.000	359.793	11224.197	29.880	0.000	41.746	0.000	29.880	0.000	0.000	41.764	39.001	-4.881	XOM_R2OWSG MWD+IFR1+MS
13600.000	90.000	359.793	11224.197	30.394	0.000	41.976	0.000	30.394	0.000	0.000	41.994	39.026	-4.764	XOM_R2OWSG MWD+IFR1+MS
13700.000	90.000	359.793	11224.197	30.918	0.000	42.215	0.000	30.918	0.000	0.000	42.233	39.052	-4.649	

														XOM_R2OWSG MWD+IFR1+MS
13800.000	90.000	359.793	11224.197	31.454	0.000	42.463	0.000	31.454	0.000	0.000	42.482	39.080	-4.536	XOM_R2OWSG MWD+IFR1+MS
13900.000	90.000	359.793	11224.197	32.000	0.000	42.720	0.000	32.000	0.000	0.000	42.739	39.108	-4.426	XOM_R2OWSG MWD+IFR1+MS
14000.000	90.000	359.793	11224.197	32.555	0.000	42.986	0.000	32.555	0.000	0.000	43.005	39.138	-4.320	XOM_R2OWSG MWD+IFR1+MS
14100.000	90.000	359.793	11224.197	33.120	0.000	43.261	0.000	33.120	0.000	0.000	43.280	39.168	-4.216	XOM_R2OWSG MWD+IFR1+MS
14200.000	90.000	359.793	11224.197	33.694	0.000	43.544	0.000	33.694	0.000	0.000	43.563	39.200	-4.117	XOM_R2OWSG MWD+IFR1+MS
14300.000	90.000	359.793	11224.197	34.276	0.000	43.835	0.000	34.276	0.000	0.000	43.854	39.233	-4.021	XOM_R2OWSG MWD+IFR1+MS
14400.000	90.000	359.793	11224.197	34.866	0.000	44.134	0.000	34.866	0.000	0.000	44.154	39.266	-3.928	XOM_R2OWSG MWD+IFR1+MS
14500.000	90.000	359.793	11224.197	35.464	0.000	44.442	0.000	35.464	0.000	0.000	44.461	39.301	-3.839	XOM_R2OWSG MWD+IFR1+MS
14600.000	90.000	359.793	11224.197	36.069	0.000	44.757	0.000	36.069	0.000	0.000	44.777	39.337	-3.753	XOM_R2OWSG MWD+IFR1+MS
14700.000	90.000	359.793	11224.197	36.680	0.000	45.080	0.000	36.680	0.000	0.000	45.100	39.374	-3.670	XOM_R2OWSG MWD+IFR1+MS
14800.000	90.000	359.793	11224.197	37.298	0.000	45.411	0.000	37.298	0.000	0.000	45.430	39.412	-3.590	XOM_R2OWSG MWD+IFR1+MS
14900.000	90.000	359.793	11224.197	37.922	0.000	45.748	0.000	37.922	0.000	0.000	45.768	39.451	-3.514	XOM_R2OWSG MWD+IFR1+MS
15000.000	90.000	359.793	11224.197	38.553	0.000	46.093	0.000	38.553	0.000	0.000	46.113	39.491	-3.440	XOM_R2OWSG MWD+IFR1+MS
15100.000	90.000	359.793	11224.197	39.188	0.000	46.445	0.000	39.188	0.000	0.000	46.465	39.532	-3.369	XOM_R2OWSG MWD+IFR1+MS
15200.000	90.000	359.793	11224.197	39.829	0.000	46.804	0.000	39.829	0.000	0.000	46.824	39.574	-3.301	XOM_R2OWSG MWD+IFR1+MS
15300.000	90.000	359.793	11224.197	40.475	0.000	47.170	0.000	40.475	0.000	0.000	47.189	39.617	-3.236	XOM_R2OWSG MWD+IFR1+MS
15400.000	90.000	359.793	11224.197	41.126	0.000	47.542	0.000	41.126	0.000	0.000	47.561	39.661	-3.172	XOM_R2OWSG MWD+IFR1+MS
15500.000	90.000	359.793	11224.197	41.782	0.000	47.921	0.000	41.782	0.000	0.000	47.940	39.706	-3.111	XOM_R2OWSG MWD+IFR1+MS
15600.000	90.000	359.793	11224.197	42.442	0.000	48.305	0.000	42.442	0.000	0.000	48.325	39.752	-3.053	XOM_R2OWSG MWD+IFR1+MS
15700.000	90.000	359.793	11224.197	43.106	0.000	48.696	0.000	43.106	0.000	0.000	48.715	39.800	-2.996	XOM_R2OWSG MWD+IFR1+MS
15800.000	90.000	359.793	11224.197	43.774	0.000	49.093	0.000	43.774	0.000	0.000	49.112	39.848	-2.942	XOM_R2OWSG MWD+IFR1+MS
15900.000	90.000	359.793	11224.197	44.446	0.000	49.496	0.000	44.446	0.000	0.000	49.515	39.897	-2.889	XOM_R2OWSG MWD+IFR1+MS
16000.000	90.000	359.793	11224.197	45.121	0.000	49.904	0.000	45.121	0.000	0.000	49.923	39.947	-2.838	XOM_R2OWSG MWD+IFR1+MS
16100.000	90.000	359.793	11224.197	45.800	0.000	50.318	0.000	45.800	0.000	0.000	50.336	39.998	-2.789	XOM_R2OWSG MWD+IFR1+MS
16200.000	90.000	359.793	11224.197	46.483	0.000	50.737	0.000	46.483	0.000	0.000	50.756	40.050	-2.742	XOM_R2OWSG MWD+IFR1+MS
16300.000	90.000	359.793	11224.197	47.168	0.000	51.161	0.000	47.168	0.000	0.000	51.180	40.103	-2.696	XOM_R2OWSG MWD+IFR1+MS
16400.000	90.000	359.793	11224.197	47.857	0.000	51.591	0.000	47.857	0.000	0.000	51.609	40.157	-2.652	XOM_R2OWSG MWD+IFR1+MS
16500.000	90.000	359.793	11224.197	48.548	0.000	52.025	0.000	48.548	0.000	0.000	52.044	40.212	-2.609	XOM_R2OWSG MWD+IFR1+MS
16600.000	90.000	359.793	11224.197	49.242	0.000	52.465	0.000	49.242	0.000	0.000	52.483	40.268	-2.568	XOM_R2OWSG MWD+IFR1+MS
16700.000	90.000	359.793	11224.197	49.939	0.000	52.909	0.000	49.939	0.000	0.000	52.927	40.325	-2.528	XOM_R2OWSG MWD+IFR1+MS
16800.000	90.000	359.793	11224.197	50.639	0.000	53.358	0.000	50.639	0.000	0.000	53.376	40.383	-2.489	XOM_R2OWSG MWD+IFR1+MS
16900.000	90.000	359.793	11224.197	51.341	0.000	53.811	0.000	51.341	0.000	0.000	53.829	40.442	-2.452	XOM_R2OWSG MWD+IFR1+MS

17000.000	90.000	359.793	11224.197	52.045	0.000	54.269	0.000	52.045	0.000	0.000	54.287	40.502	-2.415	XOM_R2OWSG MWD+IFR1+MS
17100.000	90.000	359.793	11224.197	52.752	0.000	54.731	0.000	52.752	0.000	0.000	54.749	40.562	-2.380	XOM_R2OWSG MWD+IFR1+MS
17200.000	90.000	359.793	11224.197	53.461	0.000	55.198	0.000	53.461	0.000	0.000	55.215	40.624	-2.346	XOM_R2OWSG MWD+IFR1+MS
17300.000	90.000	359.793	11224.197	54.172	0.000	55.668	0.000	54.172	0.000	0.000	55.685	40.687	-2.313	XOM_R2OWSG MWD+IFR1+MS
17400.000	90.000	359.793	11224.197	54.885	0.000	56.142	0.000	54.885	0.000	0.000	56.160	40.750	-2.280	XOM_R2OWSG MWD+IFR1+MS
17500.000	90.000	359.793	11224.197	55.600	0.000	56.621	0.000	55.600	0.000	0.000	56.638	40.815	-2.249	XOM_R2OWSG MWD+IFR1+MS
17600.000	90.000	359.793	11224.197	56.316	0.000	57.103	0.000	56.316	0.000	0.000	57.120	40.880	-2.219	XOM_R2OWSG MWD+IFR1+MS
17700.000	90.000	359.793	11224.197	57.035	0.000	57.588	0.000	57.035	0.000	0.000	57.605	40.946	-2.189	XOM_R2OWSG MWD+IFR1+MS
17800.000	90.000	359.793	11224.197	57.755	0.000	58.078	0.000	57.755	0.000	0.000	58.095	41.014	-2.160	XOM_R2OWSG MWD+IFR1+MS
17900.000	90.000	359.793	11224.197	58.477	0.000	58.570	0.000	58.477	0.000	0.000	58.587	41.082	-2.132	XOM_R2OWSG MWD+IFR1+MS
18000.000	90.000	359.793	11224.197	59.201	0.000	59.067	0.000	59.201	0.000	0.000	59.083	41.151	-2.105	XOM_R2OWSG MWD+IFR1+MS
18100.000	90.000	359.793	11224.197	59.926	0.000	59.566	0.000	59.926	0.000	0.000	59.583	41.221	-2.079	XOM_R2OWSG MWD+IFR1+MS
18200.000	90.000	359.793	11224.197	60.652	0.000	60.069	0.000	60.652	0.000	0.000	60.086	41.292	-2.053	XOM_R2OWSG MWD+IFR1+MS
18300.000	90.000	359.793	11224.197	61.380	0.000	60.575	0.000	61.380	0.000	0.000	60.591	41.363	-2.028	XOM_R2OWSG MWD+IFR1+MS
18400.000	90.000	359.793	11224.197	62.109	0.000	61.084	0.000	62.109	0.000	0.000	61.100	41.436	-2.004	XOM_R2OWSG MWD+IFR1+MS
18500.000	90.000	359.793	11224.197	62.840	0.000	61.596	0.000	62.840	0.000	0.000	61.612	41.509	-1.980	XOM_R2OWSG MWD+IFR1+MS
18600.000	90.000	359.793	11224.197	63.572	0.000	62.111	0.000	63.572	0.000	0.000	62.127	41.584	-1.957	XOM_R2OWSG MWD+IFR1+MS
18700.000	90.000	359.793	11224.197	64.305	0.000	62.629	0.000	64.305	0.000	0.000	62.645	41.659	-1.934	XOM_R2OWSG MWD+IFR1+MS
18800.000	90.000	359.793	11224.197	65.040	0.000	63.150	0.000	65.040	0.000	0.000	63.166	41.735	-1.912	XOM_R2OWSG MWD+IFR1+MS
18900.000	90.000	359.793	11224.197	65.775	0.000	63.673	0.000	65.775	0.000	0.000	63.689	41.812	-1.891	XOM_R2OWSG MWD+IFR1+MS
19000.000	90.000	359.793	11224.197	66.512	0.000	64.200	0.000	66.512	0.000	0.000	64.215	41.890	-1.870	XOM_R2OWSG MWD+IFR1+MS
19100.000	90.000	359.793	11224.197	67.250	0.000	64.728	0.000	67.250	0.000	0.000	64.744	41.969	-1.849	XOM_R2OWSG MWD+IFR1+MS
19200.000	90.000	359.793	11224.197	67.989	0.000	65.260	0.000	67.989	0.000	0.000	65.275	42.048	-1.829	XOM_R2OWSG MWD+IFR1+MS
19300.000	90.000	359.793	11224.197	68.729	0.000	65.793	0.000	68.729	0.000	0.000	65.808	42.128	-1.810	XOM_R2OWSG MWD+IFR1+MS
19400.000	90.000	359.793	11224.197	69.470	0.000	66.329	0.000	69.470	0.000	0.000	66.344	42.210	-1.791	XOM_R2OWSG MWD+IFR1+MS
19500.000	90.000	359.793	11224.197	70.211	0.000	66.868	0.000	70.211	0.000	0.000	66.883	42.292	-1.772	XOM_R2OWSG MWD+IFR1+MS
19600.000	90.000	359.793	11224.197	70.954	0.000	67.409	0.000	70.954	0.000	0.000	67.423	42.375	-1.754	XOM_R2OWSG MWD+IFR1+MS
19700.000	90.000	359.793	11224.197	71.698	0.000	67.952	0.000	71.698	0.000	0.000	67.966	42.458	-1.736	XOM_R2OWSG MWD+IFR1+MS
19800.000	90.000	359.793	11224.197	72.442	0.000	68.497	0.000	72.442	0.000	0.000	68.511	42.543	-1.719	XOM_R2OWSG MWD+IFR1+MS
19900.000	90.000	359.793	11224.197	73.188	0.000	69.044	0.000	73.188	0.000	0.000	69.059	42.628	-1.702	XOM_R2OWSG MWD+IFR1+MS
20000.000	90.000	359.793	11224.197	73.934	0.000	69.594	0.000	73.934	0.000	0.000	69.608	42.714	-1.685	XOM_R2OWSG MWD+IFR1+MS
20100.000	90.000	359.793	11224.197	74.681	0.000	70.145	0.000	74.681	0.000	0.000	70.159	42.801	-1.669	XOM_R2OWSG MWD+IFR1+MS
20200.000	90.000	359.793	11224.197	75.428	0.000	70.699	0.000	75.428	0.000	0.000	70.713	42.889	-1.653	

														XOM_R2OWSG MWD+IFR1+MS
20300.000	90.000	359.793	11224.197	76.177	0.000	71.254	0.000	76.177	0.000	0.000	71.268	42.977	-1.637	XOM_R2OWSG MWD+IFR1+MS
20400.000	90.000	359.793	11224.197	76.926	0.000	71.811	0.000	76.926	0.000	0.000	71.825	43.067	-1.622	XOM_R2OWSG MWD+IFR1+MS
20500.000	90.000	359.793	11224.197	77.676	0.000	72.370	0.000	77.676	0.000	0.000	72.384	43.157	-1.607	XOM_R2OWSG MWD+IFR1+MS
20600.000	90.000	359.793	11224.197	78.427	0.000	72.931	0.000	78.427	0.000	0.000	72.945	43.248	-1.593	XOM_R2OWSG MWD+IFR1+MS
20700.000	90.000	359.793	11224.197	79.178	0.000	73.494	0.000	79.178	0.000	0.000	73.508	43.339	-1.578	XOM_R2OWSG MWD+IFR1+MS
20800.000	90.000	359.793	11224.197	79.930	0.000	74.059	0.000	79.930	0.000	0.000	74.072	43.432	-1.564	XOM_R2OWSG MWD+IFR1+MS
20900.000	90.000	359.793	11224.197	80.682	0.000	74.625	0.000	80.682	0.000	0.000	74.638	43.525	-1.550	XOM_R2OWSG MWD+IFR1+MS
21000.000	90.000	359.793	11224.197	81.435	0.000	75.193	0.000	81.435	0.000	0.000	75.206	43.619	-1.537	XOM_R2OWSG MWD+IFR1+MS
21100.000	90.000	359.793	11224.197	82.189	0.000	75.762	0.000	82.189	0.000	0.000	75.775	43.714	-1.524	XOM_R2OWSG MWD+IFR1+MS
21200.000	90.000	359.793	11224.197	82.943	0.000	76.333	0.000	82.943	0.000	0.000	76.346	43.809	-1.511	XOM_R2OWSG MWD+IFR1+MS
21300.000	90.000	359.793	11224.197	83.698	0.000	76.906	0.000	83.698	0.000	0.000	76.919	43.905	-1.498	XOM_R2OWSG MWD+IFR1+MS
21400.000	90.000	359.793	11224.197	84.454	0.000	77.480	0.000	84.454	0.000	0.000	77.493	44.002	-1.486	XOM_R2OWSG MWD+IFR1+MS
21500.000	90.000	359.793	11224.197	85.209	0.000	78.055	0.000	85.209	0.000	0.000	78.068	44.100	-1.473	XOM_R2OWSG MWD+IFR1+MS
21600.000	90.000	359.793	11224.197	85.966	0.000	78.632	0.000	85.966	0.000	0.000	78.645	44.198	-1.461	XOM_R2OWSG MWD+IFR1+MS
21700.000	90.000	359.793	11224.197	86.723	0.000	79.211	0.000	86.723	0.000	0.000	79.223	44.297	-1.450	XOM_R2OWSG MWD+IFR1+MS
21800.000	90.000	359.793	11224.197	87.480	0.000	79.790	0.000	87.480	0.000	0.000	79.803	44.397	-1.438	XOM_R2OWSG MWD+IFR1+MS
21900.000	90.000	359.793	11224.197	88.238	0.000	80.372	0.000	88.238	0.000	0.000	80.384	44.498	-1.427	XOM_R2OWSG MWD+IFR1+MS
22000.000	90.000	359.793	11224.197	88.997	0.000	80.954	0.000	88.997	0.000	0.000	80.967	44.599	-1.415	XOM_R2OWSG MWD+IFR1+MS
22100.000	90.000	359.793	11224.197	89.755	0.000	81.538	0.000	89.755	0.000	0.000	81.550	44.701	-1.405	XOM_R2OWSG MWD+IFR1+MS
22200.000	90.000	359.793	11224.197	90.515	0.000	82.123	0.000	90.515	0.000	0.000	82.135	44.804	-1.394	XOM_R2OWSG MWD+IFR1+MS
22300.000	90.000	359.793	11224.197	91.274	0.000	82.709	0.000	91.274	0.000	0.000	82.721	44.907	-1.383	XOM_R2OWSG MWD+IFR1+MS
22400.000	90.000	359.793	11224.197	92.035	0.000	83.297	0.000	92.035	0.000	0.000	83.309	45.011	-1.373	XOM_R2OWSG MWD+IFR1+MS
22500.000	90.000	359.793	11224.197	92.795	0.000	83.885	0.000	92.795	0.000	0.000	83.897	45.116	-1.363	XOM_R2OWSG MWD+IFR1+MS
22600.000	90.000	359.793	11224.197	93.556	0.000	84.475	0.000	93.556	0.000	0.000	84.487	45.221	-1.353	XOM_R2OWSG MWD+IFR1+MS
22700.000	90.000	359.793	11224.197	94.317	0.000	85.066	0.000	94.317	0.000	0.000	85.078	45.328	-1.343	XOM_R2OWSG MWD+IFR1+MS
22800.000	90.000	359.793	11224.197	95.079	0.000	85.658	0.000	95.079	0.000	0.000	85.670	45.434	-1.333	XOM_R2OWSG MWD+IFR1+MS
22900.000	90.000	359.793	11224.197	95.841	0.000	86.251	0.000	95.841	0.000	0.000	86.263	45.542	-1.323	XOM_R2OWSG MWD+IFR1+MS
23000.000	90.000	359.793	11224.197	96.604	0.000	86.846	0.000	96.604	0.000	0.000	86.857	45.650	-1.314	XOM_R2OWSG MWD+IFR1+MS
23100.000	90.000	359.793	11224.197	97.366	0.000	87.441	0.000	97.366	0.000	0.000	87.453	45.759	-1.305	XOM_R2OWSG MWD+IFR1+MS
23200.000	90.000	359.793	11224.197	98.130	0.000	88.037	0.000	98.130	0.000	0.000	88.049	45.868	-1.296	XOM_R2OWSG MWD+IFR1+MS
23300.000	90.000	359.793	11224.197	98.893	0.000	88.635	0.000	98.893	0.000	0.000	88.646	45.978	-1.287	XOM_R2OWSG MWD+IFR1+MS
23400.000	90.000	359.793	11224.197	99.657	0.000	89.233	0.000	99.657	0.000	0.000	89.244	46.089	-1.278	XOM_R2OWSG MWD+IFR1+MS

23500.000	90.000	359.793	11224.197	100.421	0.000	89.832	0.000	100.421	0.000	0.000	89.844	46.200	-1.269	XOM_R2OWSG MWD+IFR1+MS
23600.000	90.000	359.793	11224.197	101.186	0.000	90.433	0.000	101.186	0.000	0.000	90.444	46.312	-1.261	XOM_R2OWSG MWD+IFR1+MS
23700.000	90.000	359.793	11224.197	101.950	0.000	91.034	0.000	101.950	0.000	0.000	91.045	46.425	-1.253	XOM_R2OWSG MWD+IFR1+MS
23800.000	90.000	359.793	11224.197	102.715	0.000	91.636	0.000	102.715	0.000	0.000	91.647	46.538	-1.244	XOM_R2OWSG MWD+IFR1+MS
23900.000	90.000	359.793	11224.197	103.481	0.000	92.239	0.000	103.481	0.000	0.000	92.250	46.652	-1.236	XOM_R2OWSG MWD+IFR1+MS
24000.000	90.000	359.793	11224.197	104.246	0.000	92.843	0.000	104.246	0.000	0.000	92.854	46.766	-1.228	XOM_R2OWSG MWD+IFR1+MS
24100.000	90.000	359.793	11224.197	105.012	0.000	93.447	0.000	105.012	0.000	0.000	93.458	46.882	-1.220	XOM_R2OWSG MWD+IFR1+MS
24200.000	90.000	359.793	11224.197	105.779	0.000	94.053	0.000	105.779	0.000	0.000	94.064	46.997	-1.213	XOM_R2OWSG MWD+IFR1+MS
24300.000	90.000	359.793	11224.197	106.545	0.000	94.659	0.000	106.545	0.000	0.000	94.670	47.114	-1.205	XOM_R2OWSG MWD+IFR1+MS
24400.000	90.000	359.793	11224.197	107.312	0.000	95.266	0.000	107.312	0.000	0.000	95.277	47.231	-1.198	XOM_R2OWSG MWD+IFR1+MS
24500.000	90.000	359.793	11224.197	108.079	0.000	95.874	0.000	108.079	0.000	0.000	95.885	47.348	-1.190	XOM_R2OWSG MWD+IFR1+MS
24600.000	90.000	359.793	11224.197	108.846	0.000	96.483	0.000	108.846	0.000	0.000	96.494	47.466	-1.183	XOM_R2OWSG MWD+IFR1+MS
24700.000	90.000	359.793	11224.197	109.614	0.000	97.093	0.000	109.614	0.000	0.000	97.103	47.585	-1.176	XOM_R2OWSG MWD+IFR1+MS
24800.000	90.000	359.793	11224.197	110.381	0.000	97.703	0.000	110.381	0.000	0.000	97.714	47.704	-1.169	XOM_R2OWSG MWD+IFR1+MS
24900.000	90.000	359.793	11224.197	111.149	0.000	98.314	0.000	111.149	0.000	0.000	98.324	47.824	-1.162	XOM_R2OWSG MWD+IFR1+MS
25000.000	90.000	359.793	11224.197	111.918	0.000	98.926	0.000	111.918	0.000	0.000	98.936	47.944	-1.155	XOM_R2OWSG MWD+IFR1+MS
25100.000	90.000	359.793	11224.197	112.686	0.000	99.538	0.000	112.686	0.000	0.000	99.549	48.065	-1.148	XOM_R2OWSG MWD+IFR1+MS
25200.000	90.000	359.793	11224.197	113.455	0.000	100.151	0.000	113.455	0.000	0.000	100.162	48.187	-1.141	XOM_R2OWSG MWD+IFR1+MS
25300.000	90.000	359.793	11224.197	114.224	0.000	100.765	0.000	114.224	0.000	0.000	100.775	48.309	-1.135	XOM_R2OWSG MWD+IFR1+MS
25400.000	90.000	359.793	11224.197	114.993	0.000	101.380	0.000	114.993	0.000	0.000	101.390	48.432	-1.128	XOM_R2OWSG MWD+IFR1+MS
25500.000	90.000	359.793	11224.197	115.762	0.000	101.995	0.000	115.762	0.000	0.000	102.005	48.555	-1.122	XOM_R2OWSG MWD+IFR1+MS
25600.000	90.000	359.793	11224.197	116.532	0.000	102.611	0.000	116.532	0.000	0.000	102.621	48.679	-1.115	XOM_R2OWSG MWD+IFR1+MS
25700.000	90.000	359.793	11224.197	117.301	0.000	103.227	0.000	117.301	0.000	0.000	103.237	48.803	-1.109	XOM_R2OWSG MWD+IFR1+MS
25800.000	90.000	359.793	11224.197	118.071	0.000	103.844	0.000	118.071	0.000	0.000	103.854	48.928	-1.103	XOM_R2OWSG MWD+IFR1+MS
25900.000	90.000	359.793	11224.197	118.841	0.000	104.462	0.000	118.841	0.000	0.000	104.472	49.053	-1.097	XOM_R2OWSG MWD+IFR1+MS
26000.000	90.000	359.793	11224.197	119.612	0.000	105.080	0.000	119.612	0.000	0.000	105.090	49.179	-1.091	XOM_R2OWSG MWD+IFR1+MS
26100.000	90.000	359.793	11224.197	120.382	0.000	105.699	0.000	120.382	0.000	0.000	105.709	49.305	-1.085	XOM_R2OWSG MWD+IFR1+MS
26200.000	90.000	359.793	11224.197	121.153	0.000	106.319	0.000	121.153	0.000	0.000	106.328	49.432	-1.079	XOM_R2OWSG MWD+IFR1+MS
26300.000	90.000	359.793	11224.197	121.924	0.000	106.939	0.000	121.924	0.000	0.000	106.948	49.560	-1.074	XOM_R2OWSG MWD+IFR1+MS
26400.000	90.000	359.793	11224.197	122.695	0.000	107.559	0.000	122.695	0.000	0.000	107.569	49.688	-1.068	XOM_R2OWSG MWD+IFR1+MS
26500.000	90.000	359.793	11224.197	123.466	0.000	108.180	0.000	123.466	0.000	0.000	108.190	49.816	-1.062	XOM_R2OWSG MWD+IFR1+MS
26600.000	90.000	359.793	11224.197	124.237	0.000	108.802	0.000	124.237	0.000	0.000	108.811	49.945	-1.057	XOM_R2OWSG MWD+IFR1+MS
26700.000	90.000	359.793	11224.197	125.009	0.000	109.424	0.000	125.009	0.000	0.000	109.434	50.075	-1.051	

														XOM_R2OWSG MWD+IFR1+MS
26800.000	90.000	359.793	11224.197	125.781	0.000	110.047	0.000	125.781	0.000	0.000	110.056	50.205	-1.046	XOM_R2OWSG MWD+IFR1+MS
26900.000	90.000	359.793	11224.197	126.552	0.000	110.670	0.000	126.552	0.000	0.000	110.680	50.335	-1.041	XOM_R2OWSG MWD+IFR1+MS
27000.000	90.000	359.793	11224.197	127.324	0.000	111.294	0.000	127.324	0.000	0.000	111.303	50.466	-1.035	XOM_R2OWSG MWD+IFR1+MS
27100.000	90.000	359.793	11224.197	128.097	0.000	111.918	0.000	128.097	0.000	0.000	111.927	50.598	-1.030	XOM_R2OWSG MWD+IFR1+MS
27200.000	90.000	359.793	11224.197	128.869	0.000	112.543	0.000	128.869	0.000	0.000	112.552	50.730	-1.025	XOM_R2OWSG MWD+IFR1+MS
27300.000	90.000	359.793	11224.197	129.641	0.000	113.168	0.000	129.641	0.000	0.000	113.177	50.862	-1.020	XOM_R2OWSG MWD+IFR1+MS
27369.872	90.000	359.793	11224.000	130.181	0.000	113.605	0.000	130.181	0.000	0.000	113.614	50.955	-1.016	XOM_R2OWSG MWD+IFR1+MS

Plan Targets		PLU 23 Dog Town Draw 125H			
		Measured Depth	Grid Northing	Grid Easting	TVD MSL Target Shape
Target Name		(ft)	(ft)	(ft)	(ft)
PLU 23 DTD FTP 7		11850.08	440728.66	648125.36	7766.00 CIRCLE
PLU 23 DTD LTP 7		27240.00	456118.58	648066.64	7766.00 CIRCLE
PLU 23 DTD BHL 7		27369.87	456248.44	648066.06	7766.00 CIRCLE

Sec 23-24S-30E-NMP 2682433 Poker Lake Unit 23 DTD Federal Com 125H Eddy NMNM030452 XTO 13-22 44783 AM

Poker Lake Unit 23 DTD Federal Com 125H

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
<u>Comparison of Proposed to Minimum Required Cement Volumes</u>											
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	1.48	4,000	4	2.29	4.32	118,800
"B"	29.70	HCL 80	Flush Joint	∞	2.73	1.08	6,341	3	1.67	4.66	188,328
w/8.4#/g mud, 30min Sfc Csg Test psig:							Totals:	10,341	307,128		
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	710	1441	1044	38	10.20	4131	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	3.13	1.74	1.98	10,241	2	3.06	2.69	204,820
"B"	20.00	RY P 110	Semi-Flush	∞	1.74	1.98	17,129	2	3.06	2.69	342,580
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,253						Totals:		27,370		547,400	
The cement volume(s) are intended to achieve a top of					12000	ft from surface or a		-1659		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	1284	47	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 125H
LOCATION:	Sec 23-24S-30E-NMP
COUNTY:	Eddy County, New Mexico

Updated COAs per Sundry 2682433; 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 134395

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 134395
	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