U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

08/14/2022

Well Name: POKER LAKE 23 DTD FEDERAL COM

Well Location: T24S / R30E / SEC 23 / NENW /

County or Parish/State:

Well Number: 155H

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMNM030452

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001549647

Well Status: Approved Application for Permit to Drill

Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2682436

Type of Submission: Notice of Intent

Type of Action: Other

Date Sundry Submitted: 07/15/2022

Time Sundry Submitted: 06:15

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’FEL to 200”FNL & 2310’FEL, Section 2-T24S-R30E for drilling efficiencies and operational safety. Change FTP fr/100’FSL & 2200’FEL to 100’FSL & 2310’FEL Change LTP fr/330’FNL & 2200’FEL to 330’FNL & 2310’FEL 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_155H_Attachments_20220715181500.pdf

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Conditions of Approval

Additional

Sec_23_24S_30E_NMP_2682436_Poker_Lake_Unit_23_DTD_Federal_Com_155H_Eddy_NMNM030452_XTO_13_22_44783_AM_20220810090433.pdf

Sec_23_24S_30E_NMP_2682436_Poker_Lake_Unit_23_DTD_Federal_Com_155H_Eddy_NMNM030452_COAs_20220810090433.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 06:15 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	[2] Pool Code	[3] Pool Name
30-015- 49647	98220	Purple Sage, Wolfcamp

[4] Property Code	[5] Property Name	[6] Well Number
332954	POKER LAKE 23 DTD FEDERAL COM	155H

[7] OGRID No.	[8] Operator Name	[9] Elevation
373075	XTO PERMIAN OPERATING, LLC	3,427'

[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	2,342	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
2	2	24 S	30 E		200	NORTH	2,310	EAST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
960.49			

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 =	440,356.7	Y =	456,191.6
X =	689,986.8	X =	690,623.5
LAT. =	32.209704 °N	LAT. =	32.253223 °N
LONG. =	103.852706 °W	LONG. =	103.850418 °W
FTP (NAD83 NME)		**BHL (NAD83 NME)**	
Y =	440,797.9	Y =	456,321.6
X =	690,687.0	X =	690,623.0
LAT. =	32.210908 °N	LAT. =	32.253580 °N
LONG. =	103.850436 °W	LONG. =	103.850417 °W

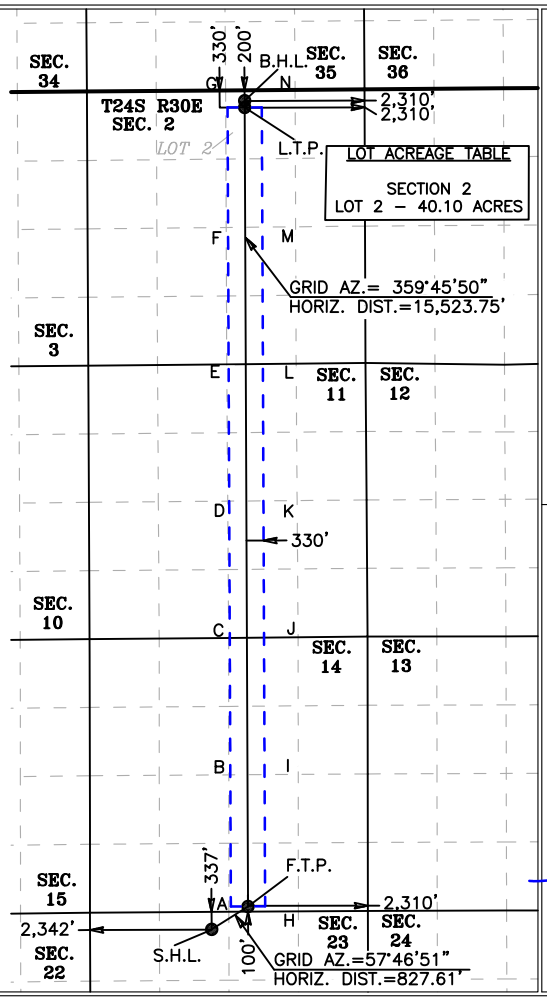
CORNER COORDINATES (NAD83 NME)

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 =	440,703.6 N ,	X =	691,657.9 E
I - Y =	443,341.5 N ,	X =	691,655.2 E
J - Y =	445,982.8 N ,	X =	691,652.3 E
K - Y =	448,617.4 N ,	X =	691,633.4 E
L - Y =	451,254.5 N ,	X =	691,614.2 E
M - Y =	453,892.0 N ,	X =	691,604.4 E
N - Y =	456,529.5 N ,	X =	691,594.5 E

SHL (NAD27 NME)		LTP (NAD27 NME)	
Y =	440,297.7	Y =	456,132.1
X =	648,803.1	X =	649,440.3
LAT. =	32.209580 °N	LAT. =	32.253099 °N
LONG. =	103.852220 °W	LONG. =	103.849930 °W
FTP (NAD27 NME)		**BHL (NAD27 NME)**	
Y =	440,738.9	Y =	456,262.1
X =	649,503.2	X =	649,439.8
LAT. =	32.210784 °N	LAT. =	32.253457 °N
LONG. =	103.849950 °W	LONG. =	103.849929 °W

CORNER COORDINATES (NAD27 NME)

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 =	440,644.6 N ,	X =	650,474.1 E
I - Y =	443,282.4 N ,	X =	650,471.5 E
J - Y =	445,923.7 N ,	X =	650,468.7 E
K - Y =	448,558.1 N ,	X =	650,449.9 E
L - Y =	451,195.2 N ,	X =	650,430.8 E
M - Y =	453,832.6 N ,	X =	650,421.1 E
N - Y =	456,470.0 N ,	X =	650,411.3 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 — Signature — 7/11/2022 — 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

Signatue and Seal of Professional Surveyor:

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

MARK DILLON HARP 23786 — Certificate Number — AW — 2021060771

DRILLING PLAN: BLM COMPLIANCE
(Supplement to BLM 3160-3)

XTO Energy Inc.
PLU 23 Dog Town Draw 155H
Projected TD: 27841' MD / 11538' TVD
SHL: 337' FNL & 2342' FWL , Section 23, T24S, R30E
BHL: 200' FNL & 2310' FEL , 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	11538'	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 10708' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 27841 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 10408 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	1.30	8.90	24.69
8.75	0’ – 4000'	7.625	29.7	RY P-110	Flush Joint	New	2.17	2.65	1.75
8.75	4000' – 10708'	7.625	29.7	HC L-80	Flush Joint	New	1.58	1.87	2.04
6.75	0’ – 10608'	5.5	20	RY P-110	Semi-Premium	New	1.05	1.75	1.82
6.75	10608' - 27841'	5.5	20	RY P-110	Semi-Flush	New	1.05	1.61	1.82

· 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 +/- 10708'
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: 410 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 +/- 27841'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 10408 feet
Tail: 1210 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 10908 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 Hydril and a 13-5/8" minimum 5M Double Ram BOP. MASP should not exceed 4361 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 nippling up on the 9.625, 5M bradenhead and flange, the BOP test will be limited to 5000 psi. When nippling 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' - 10708'	8.75	FW / Cut Brine / Direct Emulsion	9.7-10.2	30-32	NC
10708' - 27841'	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 6900 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 155H

Measured Depth:	27840.00 ft	**Site:**	PLU 23 DTD PAD B
TVD RKB:	11538.00 ft		
Location			
Cartographic Reference System:	New Mexico East - NAD 27		
Northing:	440295.94 ft		
Easting:	648818.26 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 155H

Measured Depth (ft)	Inclination (Deg)	Azimuth (Deg)	TVD RKB (ft)	Y Offset (ft)	X Offset (ft)	Build Rate (Deg/100ft)	Turn Rate (Deg/100ft)	Dogleg Rate (Deg/100ft)	Target
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	
2073.99	11.48	128.56	2070.16	-35.72	44.82	2.00	0.00	2.00	
6012.46	11.48	128.56	5929.84	-524.28	657.78	0.00	0.00	0.00	
6586.45	0.00	0.00	6500.00	-560.00	702.60	-2.00	0.00	2.00	
10908.45	0.00	0.00	10822.00	-560.00	702.60	0.00	0.00	0.00	
12033.45	90.00	359.78	11538.20	156.19	699.83	8.00	0.00	8.00	PLU 23 DTD BHL 4
27840.84	90.00	359.78	11538.00	15963.47	638.62	0.00	0.00	0.00	PLU 23 DTD BHL 4

Position Uncertainty PLU 23 Dog Town Draw 155H

Measured Depth (ft)	Inclination (°)	Azimuth (°)	TVD RKB (ft)	Highside Error (ft)	Highside Bias (ft)	Lateral Error (ft)	Lateral Bias (ft)	Vertical Error (ft)	Vertical Bias (ft)	Magnitude of Bias (ft)	Semi-major Error (ft)	Semi-minor Error (ft)	Semi-minor Azimuth (°)	Tool Used
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	128.500	1599.980	5.718	0.000	5.720	-0.000	2.938	0.000	0.000	5.721	5.720	5.875	XOM_R2OWSG MWD+IFR1+MS
1700.000	4.000	128.500	1699.838	6.041	0.000	6.052	-0.000	3.013	0.000	0.000	6.053	6.052	28.884	XOM_R2OWSG MWD+IFR1+MS
1800.000	6.000	128.500	1799.452	6.359	0.000	6.386	-0.000	3.089	0.000	0.000	6.389	6.385	24.495	XOM_R2OWSG MWD+IFR1+MS
1900.000	7.999	128.500	1898.702	6.674	0.000	6.722	-0.000	3.165	0.000	0.000	6.726	6.721	26.832	XOM_R2OWSG MWD+IFR1+MS
2000.000	10.000	128.500	1997.465	6.984	0.000	7.060	-0.000	3.247	0.000	0.000	7.066	7.059	25.034	XOM_R2OWSG MWD+IFR1+MS
2073.900	11.470	128.500	2070.160	7.210	0.000	7.311	-0.000	3.306	0.000	0.000	7.319	7.311	26.121	XOM_R2OWSG MWD+IFR1+MS
2100.000	11.470	128.500	2095.647	7.300	0.000	7.400	-0.000	3.327	0.000	0.000	7.408	7.400	27.770	XOM_R2OWSG MWD+IFR1+MS
2200.000	11.470	128.500	2193.646	7.646	0.000	7.743	-0.000	3.425	0.000	0.000	7.747	7.742	18.599	XOM_R2OWSG MWD+IFR1+MS
2300.000	11.470	128.500	2291.646	7.996	0.000	8.089	-0.000	3.526	0.000	0.000	8.091	8.087	-2.211	XOM_R2OWSG MWD+IFR1+MS
2400.000	11.470	128.500	2389.645	8.349	0.000	8.437	-0.000	3.632	0.000	0.000	8.438	8.434	-22.076	XOM_R2OWSG MWD+IFR1+MS
2500.000	11.470	128.500	2487.645	8.705	0.000	8.788	-0.000	3.742	0.000	0.000	8.788	8.783	-29.925	XOM_R2OWSG MWD+IFR1+MS
2600.000	11.470	128.500	2585.644	9.063	0.000	9.140	-0.000	3.854	0.000	0.000	9.141	9.134	-35.579	XOM_R2OWSG MWD+IFR1+MS
2700.000	11.470	128.500	2683.644	9.423	0.000	9.494	-0.000	3.971	0.000	0.000	9.495	9.487	-39.032	XOM_R2OWSG MWD+IFR1+MS
2800.000	11.470	128.500	2781.643	9.785	0.000	9.850	-0.000	4.090	0.000	0.000	9.850	9.842	-43.213	XOM_R2OWSG MWD+IFR1+MS
2900.000	11.470	128.500	2879.643	10.149	0.000	10.207	-0.000	4.214	0.000	0.000	10.207	10.199	135.000	XOM_R2OWSG MWD+IFR1+MS
3000.000	11.470	128.500	2977.642	10.513	0.000	10.563	-0.000	4.341	0.000	0.000	10.564	10.555	135.000	XOM_R2OWSG MWD+IFR1+MS
3100.000	11.470	128.500	3075.642	10.879	0.000	10.922	-0.000	4.470	0.000	0.000	10.922	10.914	135.000	XOM_R2OWSG MWD+IFR1+MS
3200.000	11.470	128.500	3173.641	11.247	0.000	11.282	-0.000	4.602	0.000	0.000	11.282	11.275	135.000	XOM_R2OWSG MWD+IFR1+MS
3300.000	11.470	128.500	3271.641	11.617	0.000	11.644	-0.000	4.738	0.000	0.000	11.644	11.637	135.000	XOM_R2OWSG MWD+IFR1+MS
3400.000	11.470	128.500	3369.640	11.986	0.000	12.005	-0.000	4.876	0.000	0.000	12.005	11.999	116.117	XOM_R2OWSG MWD+IFR1+MS
3500.000	11.470	128.500	3467.640	12.359	0.000	12.370	-0.000	5.017	0.000	0.000	12.370	12.364	112.494	XOM_R2OWSG MWD+IFR1+MS
3600.000	11.470	128.500	3565.639	12.731	0.000	12.734	-0.000	5.160	0.000	0.000	12.736	12.728	98.849	XOM_R2OWSG MWD+IFR1+MS
3700.000	11.470	128.500	3663.639	13.103	0.000	13.097	-0.000	5.308	0.000	0.000	13.100	13.092	92.938	XOM_R2OWSG MWD+IFR1+MS
3800.000	11.470	128.500	3761.638	13.476	0.000	13.461	-0.000	5.456	0.000	0.000	13.465	13.457	85.760	XOM_R2OWSG MWD+IFR1+MS
3900.000	11.470	128.500	3859.638	13.850	0.000	13.827	-0.000	5.608	0.000	0.000	13.831	13.824	78.188	XOM_R2OWSG MWD+IFR1+MS
4000.000	11.470	128.500	3957.637	14.226	0.000	14.193	-0.000	5.762	0.000	0.000	14.199	14.191	71.337	XOM_R2OWSG MWD+IFR1+MS
4100.000	11.470	128.500	4055.637	14.601	0.000	14.559	-0.000	5.919	0.000	0.000	14.568	14.555	71.577	XOM_R2OWSG MWD+IFR1+MS
4200.000	11.470	128.500	4153.636	14.978	0.000	14.928	-0.000	6.078	0.000	0.000	14.939	14.924	67.273	XOM_R2OWSG MWD+IFR1+MS

4300.000	11.470	128.500	4251.635	15.354	0.000	15.294	-0.000	6.239	0.000	0.000	15.307	15.291	63.706	XOM_R2OWSG MWD+IFR1+MS
4400.000	11.470	128.500	4349.635	15.730	0.000	15.660	-0.000	6.403	0.000	0.000	15.676	15.658	60.806	XOM_R2OWSG MWD+IFR1+MS
4500.000	11.470	128.500	4447.634	16.108	0.000	16.030	-0.000	6.570	0.000	0.000	16.049	16.026	62.059	XOM_R2OWSG MWD+IFR1+MS
4600.000	11.470	128.500	4545.634	16.484	0.000	16.397	-0.000	6.739	0.000	0.000	16.419	16.393	62.746	XOM_R2OWSG MWD+IFR1+MS
4700.000	11.470	128.500	4643.633	16.862	0.000	16.764	-0.000	6.910	0.000	0.000	16.789	16.761	58.002	XOM_R2OWSG MWD+IFR1+MS
4800.000	11.470	128.500	4741.633	17.240	0.000	17.133	-0.000	7.084	0.000	0.000	17.161	17.129	58.919	XOM_R2OWSG MWD+IFR1+MS
4900.000	11.470	128.500	4839.632	17.619	0.000	17.503	-0.000	7.261	0.000	0.000	17.533	17.498	59.507	XOM_R2OWSG MWD+IFR1+MS
5000.000	11.470	128.500	4937.632	17.997	0.000	17.871	-0.000	7.439	0.000	0.000	17.905	17.867	58.048	XOM_R2OWSG MWD+IFR1+MS
5100.000	11.470	128.500	5035.631	18.377	0.000	18.242	-0.000	7.620	0.000	0.000	18.279	18.237	58.478	XOM_R2OWSG MWD+IFR1+MS
5200.000	11.470	128.500	5133.631	18.756	0.000	18.611	-0.000	7.804	0.000	0.000	18.652	18.607	57.247	XOM_R2OWSG MWD+IFR1+MS
5300.000	11.470	128.500	5231.630	19.137	0.000	18.982	-0.000	7.990	0.000	0.000	19.026	18.977	56.160	XOM_R2OWSG MWD+IFR1+MS
5400.000	11.470	128.500	5329.630	19.515	0.000	19.350	-0.000	8.179	0.000	0.000	19.397	19.345	55.200	XOM_R2OWSG MWD+IFR1+MS
5500.000	11.470	128.500	5427.629	19.895	0.000	19.720	-0.000	8.369	0.000	0.000	19.771	19.715	55.574	XOM_R2OWSG MWD+IFR1+MS
5600.000	11.470	128.500	5525.629	20.275	0.000	20.091	-0.000	8.562	0.000	0.000	20.146	20.086	55.848	XOM_R2OWSG MWD+IFR1+MS
5700.000	11.470	128.500	5623.628	20.655	0.000	20.461	-0.000	8.758	0.000	0.000	20.520	20.456	55.025	XOM_R2OWSG MWD+IFR1+MS
5800.000	11.470	128.500	5721.628	21.036	0.000	20.831	-0.000	8.956	0.000	0.000	20.894	20.826	54.282	XOM_R2OWSG MWD+IFR1+MS
5900.000	11.470	128.500	5819.627	21.418	0.000	21.204	-0.000	9.156	0.000	0.000	21.271	21.198	54.507	XOM_R2OWSG MWD+IFR1+MS
6000.000	11.470	128.500	5917.627	21.798	0.000	21.574	-0.000	9.359	0.000	0.000	21.645	21.568	54.670	XOM_R2OWSG MWD+IFR1+MS
6012.400	11.470	128.500	5929.840	21.845	0.000	21.620	-0.000	9.385	0.000	0.000	21.692	21.614	54.585	XOM_R2OWSG MWD+IFR1+MS
6100.000	9.729	128.500	6015.879	22.200	0.000	21.944	-0.000	9.565	0.000	0.000	22.018	21.938	54.109	XOM_R2OWSG MWD+IFR1+MS
6200.000	7.729	128.500	6114.715	22.576	0.000	22.308	-0.000	9.771	0.000	0.000	22.385	22.303	53.696	XOM_R2OWSG MWD+IFR1+MS
6300.000	5.729	128.500	6214.022	22.924	0.000	22.671	-0.000	9.975	0.000	0.000	22.749	22.665	54.104	XOM_R2OWSG MWD+IFR1+MS
6400.000	3.729	128.500	6313.676	23.240	0.000	23.028	-0.000	10.173	0.000	0.000	23.107	23.021	54.617	XOM_R2OWSG MWD+IFR1+MS
6500.000	1.729	128.500	6413.558	23.526	0.000	23.379	-0.000	10.378	0.000	0.000	23.457	23.373	54.627	XOM_R2OWSG MWD+IFR1+MS
6586.400	0.000	0.000	6500.000	23.721	0.000	23.692	0.000	10.550	0.000	0.000	23.747	23.666	55.582	XOM_R2OWSG MWD+IFR1+MS
6600.000	0.000	0.000	6513.544	23.766	0.000	23.736	0.000	10.574	0.000	0.000	23.791	23.710	55.658	XOM_R2OWSG MWD+IFR1+MS
6700.000	0.000	0.000	6613.544	24.094	0.000	24.064	0.000	10.775	0.000	0.000	24.117	24.041	56.202	XOM_R2OWSG MWD+IFR1+MS
6800.000	0.000	0.000	6713.544	24.421	0.000	24.395	0.000	10.982	0.000	0.000	24.443	24.373	56.048	XOM_R2OWSG MWD+IFR1+MS
6900.000	0.000	0.000	6813.544	24.751	0.000	24.724	0.000	11.185	0.000	0.000	24.771	24.704	56.687	XOM_R2OWSG MWD+IFR1+MS
7000.000	0.000	0.000	6913.544	25.082	0.000	25.056	0.000	11.397	0.000	0.000	25.100	25.038	57.398	XOM_R2OWSG MWD+IFR1+MS
7100.000	0.000	0.000	7013.544	25.413	0.000	25.389	0.000	11.610	0.000	0.000	25.429	25.372	57.296	XOM_R2OWSG MWD+IFR1+MS
7200.000	0.000	0.000	7113.544	25.745	0.000	25.722	0.000	11.824	0.000	0.000	25.760	25.707	58.150	XOM_R2OWSG MWD+IFR1+MS
7300.000	0.000	0.000	7213.544	26.077	0.000	26.054	0.000	12.046	0.000	0.000	26.090	26.041	59.121	

														XOM_R2OWSG MWD+IFR1+MS
7400.000	0.000	0.000	7313.544	26.410	0.000	26.387	0.000	12.268	0.000	0.000	26.421	26.376	60.233	XOM_R2OWSG MWD+IFR1+MS
7500.000	0.000	0.000	7413.544	26.743	0.000	26.723	0.000	12.490	0.000	0.000	26.753	26.713	60.380	XOM_R2OWSG MWD+IFR1+MS
7600.000	0.000	0.000	7513.544	27.078	0.000	27.057	0.000	12.720	0.000	0.000	27.086	27.049	61.808	XOM_R2OWSG MWD+IFR1+MS
7700.000	0.000	0.000	7613.544	27.414	0.000	27.393	0.000	12.950	0.000	0.000	27.420	27.387	63.486	XOM_R2OWSG MWD+IFR1+MS
7800.000	0.000	0.000	7713.544	27.749	0.000	27.729	0.000	13.187	0.000	0.000	27.754	27.724	65.475	XOM_R2OWSG MWD+IFR1+MS
7900.000	0.000	0.000	7813.544	28.086	0.000	28.066	0.000	13.424	0.000	0.000	28.089	28.062	67.843	XOM_R2OWSG MWD+IFR1+MS
8000.000	0.000	0.000	7913.544	28.422	0.000	28.404	0.000	13.664	0.000	0.000	28.425	28.401	69.316	XOM_R2OWSG MWD+IFR1+MS
8100.000	0.000	0.000	8013.544	28.759	0.000	28.742	0.000	13.907	0.000	0.000	28.761	28.740	72.755	XOM_R2OWSG MWD+IFR1+MS
8200.000	0.000	0.000	8113.544	29.098	0.000	29.079	0.000	14.153	0.000	0.000	29.099	29.078	77.916	XOM_R2OWSG MWD+IFR1+MS
8300.000	0.000	0.000	8213.544	29.436	0.000	29.419	0.000	14.405	0.000	0.000	29.437	29.419	81.650	XOM_R2OWSG MWD+IFR1+MS
8400.000	0.000	0.000	8313.544	29.774	0.000	29.759	0.000	14.656	0.000	0.000	29.774	29.759	86.623	XOM_R2OWSG MWD+IFR1+MS
8500.000	0.000	0.000	8413.544	30.113	0.000	30.098	0.000	14.913	0.000	0.000	30.113	30.098	92.758	XOM_R2OWSG MWD+IFR1+MS
8600.000	0.000	0.000	8513.544	30.453	0.000	30.438	0.000	15.172	0.000	0.000	30.454	30.438	98.652	XOM_R2OWSG MWD+IFR1+MS
8700.000	0.000	0.000	8613.544	30.793	0.000	30.778	0.000	15.434	0.000	0.000	30.794	30.777	103.882	XOM_R2OWSG MWD+IFR1+MS
8800.000	0.000	0.000	8713.544	31.134	0.000	31.119	0.000	15.697	0.000	0.000	31.135	31.117	108.279	XOM_R2OWSG MWD+IFR1+MS
8900.000	0.000	0.000	8813.544	31.475	0.000	31.461	0.000	15.966	0.000	0.000	31.478	31.458	111.862	XOM_R2OWSG MWD+IFR1+MS
9000.000	0.000	0.000	8913.544	31.812	0.000	31.796	0.000	16.236	0.000	0.000	31.816	31.793	113.258	XOM_R2OWSG MWD+IFR1+MS
9100.000	0.000	0.000	9013.544	32.156	0.000	32.140	0.000	16.511	0.000	0.000	32.161	32.136	115.648	XOM_R2OWSG MWD+IFR1+MS
9200.000	0.000	0.000	9113.544	32.496	0.000	32.481	0.000	16.790	0.000	0.000	32.502	32.475	117.624	XOM_R2OWSG MWD+IFR1+MS
9300.000	0.000	0.000	9213.544	32.833	0.000	32.818	0.000	17.068	0.000	0.000	32.840	32.811	119.275	XOM_R2OWSG MWD+IFR1+MS
9400.000	0.000	0.000	9313.544	33.181	0.000	33.166	0.000	17.352	0.000	0.000	33.189	33.158	120.662	XOM_R2OWSG MWD+IFR1+MS
9500.000	0.000	0.000	9413.544	33.526	0.000	33.511	0.000	17.638	0.000	0.000	33.535	33.502	121.842	XOM_R2OWSG MWD+IFR1+MS
9600.000	0.000	0.000	9513.544	33.867	0.000	33.853	0.000	17.928	0.000	0.000	33.878	33.842	122.846	XOM_R2OWSG MWD+IFR1+MS
9700.000	0.000	0.000	9613.544	34.205	0.000	34.205	0.000	18.221	0.000	0.000	34.223	34.188	135.000	XOM_R2OWSG MWD+IFR1+MS
9800.000	0.000	0.000	9713.544	34.554	0.000	34.540	0.000	18.518	0.000	0.000	34.567	34.527	124.489	XOM_R2OWSG MWD+IFR1+MS
9900.000	0.000	0.000	9813.544	34.900	0.000	34.886	0.000	18.815	0.000	0.000	34.914	34.871	125.160	XOM_R2OWSG MWD+IFR1+MS
10000.000	0.000	0.000	9913.544	35.242	0.000	35.228	0.000	19.115	0.000	0.000	35.257	35.213	125.748	XOM_R2OWSG MWD+IFR1+MS
10100.000	0.000	0.000	10013.544	35.581	0.000	35.581	0.000	19.422	0.000	0.000	35.603	35.559	135.000	XOM_R2OWSG MWD+IFR1+MS
10200.000	0.000	0.000	10113.544	35.930	0.000	35.917	0.000	19.728	0.000	0.000	35.948	35.899	126.750	XOM_R2OWSG MWD+IFR1+MS
10300.000	0.000	0.000	10213.544	36.277	0.000	36.263	0.000	20.040	0.000	0.000	36.295	36.244	127.176	XOM_R2OWSG MWD+IFR1+MS
10400.000	0.000	0.000	10313.544	36.620	0.000	36.620	0.000	20.354	0.000	0.000	36.645	36.594	135.000	XOM_R2OWSG MWD+IFR1+MS
10500.000	0.000	0.000	10413.544	36.973	0.000	36.959	0.000	20.671	0.000	0.000	36.994	36.939	127.907	XOM_R2OWSG MWD+IFR1+MS

10600.000	0.000	0.000	10513.544	37.310	0.000	37.310	0.000	20.990	0.000	0.000	37.337	37.282	135.000	XOM_R2OWSG MWD+IFR1+MS
10700.000	0.000	0.000	10613.544	37.656	0.000	37.656	0.000	21.314	0.000	0.000	37.685	37.627	135.000	XOM_R2OWSG MWD+IFR1+MS
10800.000	0.000	0.000	10713.544	38.013	0.000	38.000	0.000	21.640	0.000	0.000	38.037	37.976	128.784	XOM_R2OWSG MWD+IFR1+MS
10908.000	0.000	0.000	10822.000	38.380	0.000	38.380	0.000	21.998	0.000	0.000	38.411	38.349	135.000	XOM_R2OWSG MWD+IFR1+MS
11000.000	7.323	359.700	10913.295	38.292	0.000	38.691	0.000	22.298	0.000	0.000	38.724	38.658	135.000	XOM_R2OWSG MWD+IFR1+MS
11100.000	15.320	359.700	11011.269	37.714	0.000	39.026	0.000	22.616	0.000	0.000	39.058	38.980	-40.245	XOM_R2OWSG MWD+IFR1+MS
11200.000	23.320	359.700	11105.559	36.653	0.000	39.332	0.000	22.917	0.000	0.000	39.362	39.264	-33.596	XOM_R2OWSG MWD+IFR1+MS
11300.000	31.320	359.700	11194.330	35.185	0.000	39.624	0.000	23.197	0.000	0.000	39.651	39.520	-27.279	XOM_R2OWSG MWD+IFR1+MS
11400.000	39.320	359.700	11275.853	33.377	0.000	39.888	0.000	23.454	0.000	0.000	39.910	39.726	-20.583	XOM_R2OWSG MWD+IFR1+MS
11500.000	47.320	359.700	11348.543	31.358	0.000	40.125	0.000	23.688	0.000	0.000	40.143	39.894	-15.765	XOM_R2OWSG MWD+IFR1+MS
11600.000	55.320	359.700	11410.985	29.281	0.000	40.324	0.000	23.902	0.000	0.000	40.338	40.023	-12.370	XOM_R2OWSG MWD+IFR1+MS
11700.000	63.320	359.700	11461.962	27.338	0.000	40.498	0.000	24.100	0.000	0.000	40.507	40.115	-9.109	XOM_R2OWSG MWD+IFR1+MS
11800.000	71.320	359.700	11500.484	25.759	0.000	40.633	0.000	24.288	0.000	0.000	40.638	40.169	-6.145	XOM_R2OWSG MWD+IFR1+MS
11900.000	79.320	359.700	11525.799	24.781	0.000	40.731	0.000	24.470	0.000	0.000	40.733	40.198	-3.335	XOM_R2OWSG MWD+IFR1+MS
12000.000	87.320	359.700	11537.416	24.589	0.000	40.792	0.000	24.654	0.000	0.000	40.792	40.199	-0.438	XOM_R2OWSG MWD+IFR1+MS
12033.000	90.000	359.700	11538.197	24.714	0.000	40.804	0.000	24.714	0.000	0.000	40.804	40.212	0.586	XOM_R2OWSG MWD+IFR1+MS
12100.000	90.000	359.700	11538.197	24.841	0.000	40.816	0.000	24.841	0.000	0.000	40.818	40.211	2.641	XOM_R2OWSG MWD+IFR1+MS
12200.000	90.000	359.700	11538.197	25.050	0.000	40.865	0.000	25.050	0.000	0.000	40.871	40.219	5.366	XOM_R2OWSG MWD+IFR1+MS
12300.000	90.000	359.700	11538.197	25.284	0.000	40.914	0.000	25.284	0.000	0.000	40.927	40.212	7.582	XOM_R2OWSG MWD+IFR1+MS
12400.000	90.000	359.700	11538.197	25.538	0.000	40.986	0.000	25.538	0.000	0.000	41.008	40.216	9.279	XOM_R2OWSG MWD+IFR1+MS
12500.000	90.000	359.700	11538.197	25.815	0.000	41.059	0.000	25.815	0.000	0.000	41.091	40.219	10.675	XOM_R2OWSG MWD+IFR1+MS
12600.000	90.000	359.700	11538.197	26.111	0.000	41.144	0.000	26.111	0.000	0.000	41.185	40.222	11.681	XOM_R2OWSG MWD+IFR1+MS
12700.000	90.000	359.700	11538.197	26.427	0.000	41.241	0.000	26.427	0.000	0.000	41.291	40.225	12.363	XOM_R2OWSG MWD+IFR1+MS
12800.000	90.000	359.700	11538.197	26.764	0.000	41.349	0.000	26.764	0.000	0.000	41.409	40.228	12.799	XOM_R2OWSG MWD+IFR1+MS
12900.000	90.000	359.700	11538.197	27.118	0.000	41.458	0.000	27.118	0.000	0.000	41.527	40.231	13.152	XOM_R2OWSG MWD+IFR1+MS
13000.000	90.000	359.700	11538.197	27.490	0.000	41.590	0.000	27.490	0.000	0.000	41.667	40.235	13.226	XOM_R2OWSG MWD+IFR1+MS
13100.000	90.000	359.700	11538.197	27.880	0.000	41.734	0.000	27.880	0.000	0.000	41.818	40.240	13.184	XOM_R2OWSG MWD+IFR1+MS
13200.000	90.000	359.700	11538.197	28.286	0.000	41.877	0.000	28.286	0.000	0.000	41.969	40.257	13.242	XOM_R2OWSG MWD+IFR1+MS
13300.000	90.000	359.700	11538.197	28.707	0.000	42.031	0.000	28.707	0.000	0.000	42.130	40.263	13.123	XOM_R2OWSG MWD+IFR1+MS
13400.000	90.000	359.700	11538.197	29.143	0.000	42.197	0.000	29.143	0.000	0.000	42.302	40.281	13.019	XOM_R2OWSG MWD+IFR1+MS
13500.000	90.000	359.700	11538.197	29.594	0.000	42.374	0.000	29.594	0.000	0.000	42.484	40.288	12.792	XOM_R2OWSG MWD+IFR1+MS
13600.000	90.000	359.700	11538.197	30.060	0.000	42.562	0.000	30.060	0.000	0.000	42.677	40.307	12.600	XOM_R2OWSG MWD+IFR1+MS
13700.000	90.000	359.700	11538.197	30.537	0.000	42.761	0.000	30.537	0.000	0.000	42.881	40.327	12.378	

														XOM_R2OWSG MWD+IFR1+MS
13800.000	90.000	359.700	11538.197	31.027	0.000	42.971	0.000	31.027	0.000	0.000	43.094	40.347	12.133	XOM_R2OWSG MWD+IFR1+MS
13900.000	90.000	359.700	11538.197	31.529	0.000	43.191	0.000	31.529	0.000	0.000	43.318	40.368	11.875	XOM_R2OWSG MWD+IFR1+MS
14000.000	90.000	359.700	11538.197	32.031	0.000	43.410	0.000	32.031	0.000	0.000	43.541	40.388	11.651	XOM_R2OWSG MWD+IFR1+MS
14100.000	90.000	359.700	11538.197	32.558	0.000	43.651	0.000	32.558	0.000	0.000	43.784	40.410	11.376	XOM_R2OWSG MWD+IFR1+MS
14200.000	90.000	359.700	11538.197	33.091	0.000	43.891	0.000	33.091	0.000	0.000	44.026	40.431	11.135	XOM_R2OWSG MWD+IFR1+MS
14300.000	90.000	359.700	11538.197	33.645	0.000	44.140	0.000	33.645	0.000	0.000	44.279	40.465	10.924	XOM_R2OWSG MWD+IFR1+MS
14400.000	90.000	359.700	11538.197	34.191	0.000	44.400	0.000	34.191	0.000	0.000	44.540	40.487	10.674	XOM_R2OWSG MWD+IFR1+MS
14500.000	90.000	359.700	11538.197	34.756	0.000	44.669	0.000	34.756	0.000	0.000	44.811	40.521	10.453	XOM_R2OWSG MWD+IFR1+MS
14600.000	90.000	359.700	11538.197	35.327	0.000	44.948	0.000	35.327	0.000	0.000	45.091	40.543	10.205	XOM_R2OWSG MWD+IFR1+MS
14700.000	90.000	359.700	11538.197	35.903	0.000	45.236	0.000	35.903	0.000	0.000	45.381	40.578	9.986	XOM_R2OWSG MWD+IFR1+MS
14800.000	90.000	359.700	11538.197	36.497	0.000	45.522	0.000	36.497	0.000	0.000	45.668	40.613	9.788	XOM_R2OWSG MWD+IFR1+MS
14900.000	90.000	359.700	11538.197	37.094	0.000	45.828	0.000	37.094	0.000	0.000	45.976	40.648	9.570	XOM_R2OWSG MWD+IFR1+MS
15000.000	90.000	359.700	11538.197	37.696	0.000	46.132	0.000	37.696	0.000	0.000	46.281	40.683	9.373	XOM_R2OWSG MWD+IFR1+MS
15100.000	90.000	359.700	11538.197	38.301	0.000	46.456	0.000	38.301	0.000	0.000	46.605	40.718	9.162	XOM_R2OWSG MWD+IFR1+MS
15200.000	90.000	359.700	11538.197	38.910	0.000	46.777	0.000	38.910	0.000	0.000	46.927	40.753	8.971	XOM_R2OWSG MWD+IFR1+MS
15300.000	90.000	359.700	11538.197	39.535	0.000	47.107	0.000	39.535	0.000	0.000	47.258	40.789	8.782	XOM_R2OWSG MWD+IFR1+MS
15400.000	90.000	359.700	11538.197	40.162	0.000	47.445	0.000	40.162	0.000	0.000	47.596	40.836	8.612	XOM_R2OWSG MWD+IFR1+MS
15500.000	90.000	359.700	11538.197	40.792	0.000	47.792	0.000	40.792	0.000	0.000	47.943	40.872	8.430	XOM_R2OWSG MWD+IFR1+MS
15600.000	90.000	359.700	11538.197	41.425	0.000	48.146	0.000	41.425	0.000	0.000	48.297	40.907	8.252	XOM_R2OWSG MWD+IFR1+MS
15700.000	90.000	359.700	11538.197	42.071	0.000	48.497	0.000	42.071	0.000	0.000	48.649	40.955	8.101	XOM_R2OWSG MWD+IFR1+MS
15800.000	90.000	359.700	11538.197	42.720	0.000	48.867	0.000	42.720	0.000	0.000	49.018	41.003	7.941	XOM_R2OWSG MWD+IFR1+MS
15900.000	90.000	359.700	11538.197	43.370	0.000	49.233	0.000	43.370	0.000	0.000	49.384	41.039	7.779	XOM_R2OWSG MWD+IFR1+MS
16000.000	90.000	359.700	11538.197	44.023	0.000	49.617	0.000	44.023	0.000	0.000	49.769	41.086	7.629	XOM_R2OWSG MWD+IFR1+MS
16100.000	90.000	359.700	11538.197	44.677	0.000	49.999	0.000	44.677	0.000	0.000	50.149	41.134	7.486	XOM_R2OWSG MWD+IFR1+MS
16200.000	90.000	359.700	11538.197	45.343	0.000	50.387	0.000	45.343	0.000	0.000	50.538	41.182	7.352	XOM_R2OWSG MWD+IFR1+MS
16300.000	90.000	359.700	11538.197	46.011	0.000	50.782	0.000	46.011	0.000	0.000	50.932	41.230	7.214	XOM_R2OWSG MWD+IFR1+MS
16400.000	90.000	359.700	11538.197	46.680	0.000	51.184	0.000	46.680	0.000	0.000	51.334	41.290	7.087	XOM_R2OWSG MWD+IFR1+MS
16500.000	90.000	359.700	11538.197	47.360	0.000	51.592	0.000	47.360	0.000	0.000	51.742	41.337	6.961	XOM_R2OWSG MWD+IFR1+MS
16600.000	90.000	359.700	11538.197	48.042	0.000	51.997	0.000	48.042	0.000	0.000	52.147	41.385	6.839	XOM_R2OWSG MWD+IFR1+MS
16700.000	90.000	359.700	11538.197	48.713	0.000	52.419	0.000	48.713	0.000	0.000	52.567	41.445	6.719	XOM_R2OWSG MWD+IFR1+MS
16800.000	90.000	359.700	11538.197	49.406	0.000	52.836	0.000	49.406	0.000	0.000	52.984	41.493	6.602	XOM_R2OWSG MWD+IFR1+MS
16900.000	90.000	359.700	11538.197	50.090	0.000	53.270	0.000	50.090	0.000	0.000	53.417	41.553	6.488	XOM_R2OWSG MWD+IFR1+MS

17000.000	90.000	359.700	11538.197	50.784	0.000	53.699	0.000	50.784	0.000	0.000	53.846	41.600	6.381	XOM_R2OWSG MWD+IFR1+MS
17100.000	90.000	359.700	11538.197	51.468	0.000	54.135	0.000	51.468	0.000	0.000	54.281	41.660	6.277	XOM_R2OWSG MWD+IFR1+MS
17200.000	90.000	359.700	11538.197	52.163	0.000	54.576	0.000	52.163	0.000	0.000	54.722	41.719	6.175	XOM_R2OWSG MWD+IFR1+MS
17300.000	90.000	359.700	11538.197	52.868	0.000	55.023	0.000	52.868	0.000	0.000	55.168	41.779	6.075	XOM_R2OWSG MWD+IFR1+MS
17400.000	90.000	359.700	11538.197	53.563	0.000	55.466	0.000	53.563	0.000	0.000	55.611	41.838	5.981	XOM_R2OWSG MWD+IFR1+MS
17500.000	90.000	359.700	11538.197	54.268	0.000	55.924	0.000	54.268	0.000	0.000	56.068	41.898	5.886	XOM_R2OWSG MWD+IFR1+MS
17600.000	90.000	359.700	11538.197	54.973	0.000	56.387	0.000	54.973	0.000	0.000	56.530	41.969	5.796	XOM_R2OWSG MWD+IFR1+MS
17700.000	90.000	359.700	11538.197	55.678	0.000	56.846	0.000	55.678	0.000	0.000	56.988	42.028	5.708	XOM_R2OWSG MWD+IFR1+MS
17800.000	90.000	359.700	11538.197	56.391	0.000	57.310	0.000	56.391	0.000	0.000	57.452	42.087	5.622	XOM_R2OWSG MWD+IFR1+MS
17900.000	90.000	359.700	11538.197	57.096	0.000	57.787	0.000	57.096	0.000	0.000	57.928	42.158	5.534	XOM_R2OWSG MWD+IFR1+MS
18000.000	90.000	359.700	11538.197	57.810	0.000	58.261	0.000	57.810	0.000	0.000	58.401	42.217	5.451	XOM_R2OWSG MWD+IFR1+MS
18100.000	90.000	359.700	11538.197	58.523	0.000	58.739	0.000	58.523	0.000	0.000	58.879	42.288	5.374	XOM_R2OWSG MWD+IFR1+MS
18200.000	90.000	359.700	11538.197	59.245	0.000	59.222	0.000	59.245	0.000	0.000	59.361	42.359	5.298	XOM_R2OWSG MWD+IFR1+MS
18300.000	90.000	359.700	11538.197	59.958	0.000	59.710	0.000	59.958	0.000	0.000	59.848	42.429	5.223	XOM_R2OWSG MWD+IFR1+MS
18400.000	90.000	359.700	11538.197	60.679	0.000	60.193	0.000	60.679	0.000	0.000	60.330	42.488	5.147	XOM_R2OWSG MWD+IFR1+MS
18500.000	90.000	359.700	11538.197	61.400	0.000	60.689	0.000	61.400	0.000	0.000	60.826	42.570	5.077	XOM_R2OWSG MWD+IFR1+MS
18600.000	90.000	359.700	11538.197	62.129	0.000	61.182	0.000	62.129	0.000	0.000	61.317	42.640	5.010	XOM_R2OWSG MWD+IFR1+MS
18700.000	90.000	359.700	11538.197	62.849	0.000	61.686	0.000	62.849	0.000	0.000	61.821	42.711	4.938	XOM_R2OWSG MWD+IFR1+MS
18800.000	90.000	359.700	11538.197	63.577	0.000	62.186	0.000	63.577	0.000	0.000	62.320	42.781	4.872	XOM_R2OWSG MWD+IFR1+MS
18900.000	90.000	359.700	11538.197	64.304	0.000	62.690	0.000	64.304	0.000	0.000	62.824	42.851	4.806	XOM_R2OWSG MWD+IFR1+MS
19000.000	90.000	359.700	11538.197	65.031	0.000	63.199	0.000	65.031	0.000	0.000	63.331	42.932	4.745	XOM_R2OWSG MWD+IFR1+MS
19100.000	90.000	359.700	11538.197	65.765	0.000	63.711	0.000	65.765	0.000	0.000	63.842	43.002	4.681	XOM_R2OWSG MWD+IFR1+MS
19200.000	90.000	359.700	11538.197	66.491	0.000	64.226	0.000	66.491	0.000	0.000	64.357	43.083	4.622	XOM_R2OWSG MWD+IFR1+MS
19300.000	90.000	359.700	11538.197	67.224	0.000	64.738	0.000	67.224	0.000	0.000	64.868	43.164	4.564	XOM_R2OWSG MWD+IFR1+MS
19400.000	90.000	359.700	11538.197	67.963	0.000	65.261	0.000	67.963	0.000	0.000	65.390	43.245	4.508	XOM_R2OWSG MWD+IFR1+MS
19500.000	90.000	359.700	11538.197	68.695	0.000	65.779	0.000	68.695	0.000	0.000	65.908	43.314	4.450	XOM_R2OWSG MWD+IFR1+MS
19600.000	90.000	359.700	11538.197	69.433	0.000	66.309	0.000	69.433	0.000	0.000	66.437	43.395	4.394	XOM_R2OWSG MWD+IFR1+MS
19700.000	90.000	359.700	11538.197	70.164	0.000	66.835	0.000	70.164	0.000	0.000	66.962	43.476	4.342	XOM_R2OWSG MWD+IFR1+MS
19800.000	90.000	359.700	11538.197	70.908	0.000	67.364	0.000	70.908	0.000	0.000	67.490	43.568	4.290	XOM_R2OWSG MWD+IFR1+MS
19900.000	90.000	359.700	11538.197	71.645	0.000	67.896	0.000	71.645	0.000	0.000	68.021	43.648	4.238	XOM_R2OWSG MWD+IFR1+MS
20000.000	90.000	359.700	11538.197	72.381	0.000	68.431	0.000	72.381	0.000	0.000	68.556	43.728	4.187	XOM_R2OWSG MWD+IFR1+MS
20100.000	90.000	359.700	11538.197	73.123	0.000	68.969	0.000	73.123	0.000	0.000	69.093	43.819	4.140	XOM_R2OWSG MWD+IFR1+MS
20200.000	90.000	359.700	11538.197	73.865	0.000	69.504	0.000	73.865	0.000	0.000	69.627	43.899	4.092	

														XOM_R2OWSG MWD+IFR1+MS
20300.000	90.000	359.700	11538.197	74.606	0.000	70.048	0.000	74.606	0.000	0.000	70.170	43.990	4.045	XOM_R2OWSG MWD+IFR1+MS
20400.000	90.000	359.700	11538.197	75.353	0.000	70.595	0.000	75.353	0.000	0.000	70.717	44.070	3.997	XOM_R2OWSG MWD+IFR1+MS
20500.000	90.000	359.700	11538.197	76.099	0.000	71.138	0.000	76.099	0.000	0.000	71.259	44.160	3.953	XOM_R2OWSG MWD+IFR1+MS
20600.000	90.000	359.700	11538.197	76.844	0.000	71.684	0.000	76.844	0.000	0.000	71.804	44.251	3.909	XOM_R2OWSG MWD+IFR1+MS
20700.000	90.000	359.700	11538.197	77.589	0.000	72.233	0.000	77.589	0.000	0.000	72.352	44.341	3.866	XOM_R2OWSG MWD+IFR1+MS
20800.000	90.000	359.700	11538.197	78.333	0.000	72.784	0.000	78.333	0.000	0.000	72.903	44.431	3.824	XOM_R2OWSG MWD+IFR1+MS
20900.000	90.000	359.700	11538.197	79.082	0.000	73.339	0.000	79.082	0.000	0.000	73.456	44.521	3.782	XOM_R2OWSG MWD+IFR1+MS
21000.000	90.000	359.700	11538.197	79.831	0.000	73.895	0.000	79.831	0.000	0.000	74.013	44.611	3.741	XOM_R2OWSG MWD+IFR1+MS
21100.000	90.000	359.700	11538.197	80.579	0.000	74.455	0.000	80.579	0.000	0.000	74.571	44.701	3.701	XOM_R2OWSG MWD+IFR1+MS
21200.000	90.000	359.700	11538.197	81.327	0.000	75.010	0.000	81.327	0.000	0.000	75.125	44.801	3.662	XOM_R2OWSG MWD+IFR1+MS
21300.000	90.000	359.700	11538.197	82.079	0.000	75.574	0.000	82.079	0.000	0.000	75.689	44.891	3.623	XOM_R2OWSG MWD+IFR1+MS
21400.000	90.000	359.700	11538.197	82.831	0.000	76.134	0.000	82.831	0.000	0.000	76.248	44.991	3.587	XOM_R2OWSG MWD+IFR1+MS
21500.000	90.000	359.700	11538.197	83.582	0.000	76.697	0.000	83.582	0.000	0.000	76.810	45.080	3.550	XOM_R2OWSG MWD+IFR1+MS
21600.000	90.000	359.700	11538.197	84.333	0.000	77.268	0.000	84.333	0.000	0.000	77.381	45.180	3.512	XOM_R2OWSG MWD+IFR1+MS
21700.000	90.000	359.700	11538.197	85.082	0.000	77.835	0.000	85.082	0.000	0.000	77.947	45.279	3.477	XOM_R2OWSG MWD+IFR1+MS
21800.000	90.000	359.700	11538.197	85.837	0.000	78.405	0.000	85.837	0.000	0.000	78.516	45.378	3.443	XOM_R2OWSG MWD+IFR1+MS
21900.000	90.000	359.700	11538.197	86.591	0.000	78.970	0.000	86.591	0.000	0.000	79.081	45.478	3.408	XOM_R2OWSG MWD+IFR1+MS
22000.000	90.000	359.700	11538.197	87.344	0.000	79.544	0.000	87.344	0.000	0.000	79.654	45.576	3.375	XOM_R2OWSG MWD+IFR1+MS
22100.000	90.000	359.700	11538.197	88.102	0.000	80.120	0.000	88.102	0.000	0.000	80.230	45.675	3.342	XOM_R2OWSG MWD+IFR1+MS
22200.000	90.000	359.700	11538.197	88.854	0.000	80.692	0.000	88.854	0.000	0.000	80.801	45.774	3.309	XOM_R2OWSG MWD+IFR1+MS
22300.000	90.000	359.700	11538.197	89.610	0.000	81.266	0.000	89.610	0.000	0.000	81.374	45.872	3.278	XOM_R2OWSG MWD+IFR1+MS
22400.000	90.000	359.700	11538.197	90.366	0.000	81.848	0.000	90.366	0.000	0.000	81.956	45.981	3.246	XOM_R2OWSG MWD+IFR1+MS
22500.000	90.000	359.700	11538.197	91.126	0.000	82.426	0.000	91.126	0.000	0.000	82.533	46.079	3.215	XOM_R2OWSG MWD+IFR1+MS
22600.000	90.000	359.700	11538.197	91.880	0.000	83.007	0.000	91.880	0.000	0.000	83.113	46.187	3.185	XOM_R2OWSG MWD+IFR1+MS
22700.000	90.000	359.700	11538.197	92.639	0.000	83.589	0.000	92.639	0.000	0.000	83.694	46.295	3.156	XOM_R2OWSG MWD+IFR1+MS
22800.000	90.000	359.700	11538.197	93.397	0.000	84.173	0.000	93.397	0.000	0.000	84.278	46.393	3.127	XOM_R2OWSG MWD+IFR1+MS
22900.000	90.000	359.700	11538.197	94.154	0.000	84.753	0.000	94.154	0.000	0.000	84.857	46.500	3.098	XOM_R2OWSG MWD+IFR1+MS
23000.000	90.000	359.700	11538.197	94.916	0.000	85.340	0.000	94.916	0.000	0.000	85.444	46.608	3.069	XOM_R2OWSG MWD+IFR1+MS
23100.000	90.000	359.700	11538.197	95.677	0.000	85.930	0.000	95.677	0.000	0.000	86.033	46.715	3.041	XOM_R2OWSG MWD+IFR1+MS
23200.000	90.000	359.700	11538.197	96.437	0.000	86.516	0.000	96.437	0.000	0.000	86.618	46.822	3.015	XOM_R2OWSG MWD+IFR1+MS
23300.000	90.000	359.700	11538.197	97.196	0.000	87.103	0.000	97.196	0.000	0.000	87.205	46.929	2.988	XOM_R2OWSG MWD+IFR1+MS
23400.000	90.000	359.700	11538.197	97.954	0.000	87.692	0.000	97.954	0.000	0.000	87.793	47.046	2.962	XOM_R2OWSG MWD+IFR1+MS

23500.000	90.000	359.700	11538.197	98.717	0.000	88.283	0.000	98.717	0.000	0.000	88.384	47.152	2.935	XOM_R2OWSG MWD+IFR1+MS
23600.000	90.000	359.700	11538.197	99.479	0.000	88.875	0.000	99.479	0.000	0.000	88.976	47.258	2.909	XOM_R2OWSG MWD+IFR1+MS
23700.000	90.000	359.700	11538.197	100.200	0.000	89.470	0.000	100.200	0.000	0.000	89.569	47.375	2.884	XOM_R2OWSG MWD+IFR1+MS
23800.000	90.000	359.700	11538.197	100.995	0.000	90.065	0.000	100.995	0.000	0.000	90.164	47.491	2.860	XOM_R2OWSG MWD+IFR1+MS
23900.000	90.000	359.700	11538.197	101.735	0.000	90.657	0.000	101.735	0.000	0.000	90.756	47.596	2.835	XOM_R2OWSG MWD+IFR1+MS
24000.000	90.000	359.700	11538.197	102.518	0.000	91.256	0.000	102.518	0.000	0.000	91.354	47.712	2.811	XOM_R2OWSG MWD+IFR1+MS
24100.000	90.000	359.700	11538.197	103.247	0.000	91.851	0.000	103.247	0.000	0.000	91.949	47.827	2.788	XOM_R2OWSG MWD+IFR1+MS
24200.000	90.000	359.700	11538.197	104.019	0.000	92.454	0.000	104.019	0.000	0.000	92.550	47.942	2.764	XOM_R2OWSG MWD+IFR1+MS
24300.000	90.000	359.700	11538.197	104.785	0.000	93.052	0.000	104.785	0.000	0.000	93.148	48.057	2.742	XOM_R2OWSG MWD+IFR1+MS
24400.000	90.000	359.700	11538.197	105.546	0.000	93.652	0.000	105.546	0.000	0.000	93.747	48.171	2.719	XOM_R2OWSG MWD+IFR1+MS
24500.000	90.000	359.700	11538.197	106.301	0.000	94.253	0.000	106.301	0.000	0.000	94.348	48.285	2.697	XOM_R2OWSG MWD+IFR1+MS
24600.000	90.000	359.700	11538.197	107.098	0.000	94.855	0.000	107.098	0.000	0.000	94.950	48.409	2.675	XOM_R2OWSG MWD+IFR1+MS
24700.000	90.000	359.700	11538.197	107.842	0.000	95.454	0.000	107.842	0.000	0.000	95.549	48.523	2.653	XOM_R2OWSG MWD+IFR1+MS
24800.000	90.000	359.700	11538.197	108.628	0.000	96.060	0.000	108.628	0.000	0.000	96.154	48.647	2.632	XOM_R2OWSG MWD+IFR1+MS
24900.000	90.000	359.700	11538.197	109.407	0.000	96.667	0.000	109.407	0.000	0.000	96.760	48.760	2.611	XOM_R2OWSG MWD+IFR1+MS
25000.000	90.000	359.700	11538.197	110.136	0.000	97.270	0.000	110.136	0.000	0.000	97.363	48.883	2.590	XOM_R2OWSG MWD+IFR1+MS
25100.000	90.000	359.700	11538.197	110.905	0.000	97.875	0.000	110.905	0.000	0.000	97.967	49.005	2.570	XOM_R2OWSG MWD+IFR1+MS
25200.000	90.000	359.700	11538.197	111.669	0.000	98.480	0.000	111.669	0.000	0.000	98.572	49.118	2.550	XOM_R2OWSG MWD+IFR1+MS
25300.000	90.000	359.700	11538.197	112.472	0.000	99.088	0.000	112.472	0.000	0.000	99.179	49.240	2.530	XOM_R2OWSG MWD+IFR1+MS
25400.000	90.000	359.700	11538.197	113.225	0.000	99.696	0.000	113.225	0.000	0.000	99.787	49.362	2.510	XOM_R2OWSG MWD+IFR1+MS
25500.000	90.000	359.700	11538.197	113.974	0.000	100.281	0.000	113.974	0.000	0.000	100.371	49.483	2.493	XOM_R2OWSG MWD+IFR1+MS
25600.000	90.000	359.700	11538.197	114.761	0.000	100.878	0.000	114.761	0.000	0.000	100.967	49.614	2.475	XOM_R2OWSG MWD+IFR1+MS
25700.000	90.000	359.700	11538.197	115.499	0.000	101.520	0.000	115.499	0.000	0.000	101.609	49.735	2.454	XOM_R2OWSG MWD+IFR1+MS
25800.000	90.000	359.700	11538.197	116.276	0.000	102.109	0.000	116.276	0.000	0.000	102.198	49.856	2.437	XOM_R2OWSG MWD+IFR1+MS
25900.000	90.000	359.700	11538.197	117.047	0.000	102.743	0.000	117.047	0.000	0.000	102.832	49.986	2.418	XOM_R2OWSG MWD+IFR1+MS
26000.000	90.000	359.700	11538.197	117.813	0.000	103.326	0.000	117.813	0.000	0.000	103.414	50.106	2.401	XOM_R2OWSG MWD+IFR1+MS
26100.000	90.000	359.700	11538.197	118.575	0.000	103.953	0.000	118.575	0.000	0.000	104.040	50.236	2.383	XOM_R2OWSG MWD+IFR1+MS
26200.000	90.000	359.700	11538.197	119.373	0.000	104.576	0.000	119.373	0.000	0.000	104.663	50.365	2.365	XOM_R2OWSG MWD+IFR1+MS
26300.000	90.000	359.700	11538.197	120.125	0.000	105.196	0.000	120.125	0.000	0.000	105.282	50.484	2.347	XOM_R2OWSG MWD+IFR1+MS
26400.000	90.000	359.700	11538.197	120.913	0.000	105.812	0.000	120.913	0.000	0.000	105.898	50.613	2.330	XOM_R2OWSG MWD+IFR1+MS
26500.000	90.000	359.700	11538.197	121.655	0.000	106.424	0.000	121.655	0.000	0.000	106.510	50.742	2.313	XOM_R2OWSG MWD+IFR1+MS
26600.000	90.000	359.700	11538.197	122.434	0.000	107.033	0.000	122.434	0.000	0.000	107.118	50.870	2.297	XOM_R2OWSG MWD+IFR1+MS
26700.000	90.000	359.700	11538.197	123.207	0.000	107.638	0.000	123.207	0.000	0.000	107.723	50.997	2.282	

														XOM_R2OWSG MWD+IFR1+MS
26800.000	90.000	359.700	11538.197	123.976	0.000	108.287	0.000	123.976	0.000	0.000	108.371	51.135	2.264	XOM_R2OWSG MWD+IFR1+MS
26900.000	90.000	359.700	11538.197	124.740	0.000	108.885	0.000	124.740	0.000	0.000	108.969	51.262	2.249	XOM_R2OWSG MWD+IFR1+MS
27000.000	90.000	359.700	11538.197	125.499	0.000	109.526	0.000	125.499	0.000	0.000	109.609	51.389	2.232	XOM_R2OWSG MWD+IFR1+MS
27100.000	90.000	359.700	11538.197	126.293	0.000	110.118	0.000	126.293	0.000	0.000	110.201	51.525	2.218	XOM_R2OWSG MWD+IFR1+MS
27200.000	90.000	359.700	11538.197	127.043	0.000	110.751	0.000	127.043	0.000	0.000	110.834	51.651	2.202	XOM_R2OWSG MWD+IFR1+MS
27300.000	90.000	359.700	11538.197	127.828	0.000	111.382	0.000	127.828	0.000	0.000	111.464	51.786	2.186	XOM_R2OWSG MWD+IFR1+MS
27400.000	90.000	359.700	11538.197	128.608	0.000	111.963	0.000	128.608	0.000	0.000	112.045	51.921	2.173	XOM_R2OWSG MWD+IFR1+MS
27500.000	90.000	359.700	11538.197	129.383	0.000	112.587	0.000	129.383	0.000	0.000	112.668	52.056	2.158	XOM_R2OWSG MWD+IFR1+MS
27600.000	90.000	359.700	11538.197	130.154	0.000	113.251	0.000	130.154	0.000	0.000	113.332	52.191	2.141	XOM_R2OWSG MWD+IFR1+MS
27700.000	90.000	359.700	11538.197	130.920	0.000	113.867	0.000	130.920	0.000	0.000	113.948	52.325	2.127	XOM_R2OWSG MWD+IFR1+MS
27800.000	90.000	359.700	11538.197	131.681	0.000	114.480	0.000	131.681	0.000	0.000	114.561	52.458	2.114	XOM_R2OWSG MWD+IFR1+MS
27840.000	90.000	359.700	11538.000	131.985	0.000	114.742	0.000	131.985	0.000	0.000	114.822	52.506	2.108	XOM_R2OWSG MWD+IFR1+MS

Plan Targets	PLU 23 Dog Town Draw 155H				
	Measured Depth	**Grid Northing**	**Grid Easting**	**TVD MSL**	**Target Shape**
Target Name	**(ft)**	**(ft)**	**(ft)**	**(ft)**	
PLU 23 DTD FTP 4	12318.45	440736.72	649520.86	8080.00	CIRCLE
PLU 23 DTD LTP 4	27710.99	456129.54	649457.15	8080.00	CIRCLE
PLU 23 DTD BHL 4	27840.85	456259.41	649456.88	8080.00	CIRCLE

Sec 23-24S-30E-NMP 2682436 Poker Lake Unit 23 DTD Federal Com 155H Eddy NMNM030452 XTO 13-22 44783 AM

Poker Lake Unit 23 DTD Federal Com 155H

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.1.III.D.4.i 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	1.43	4,000	4	2.21	4.32	118,800
"B"	**29.70**	**HCL 80**	Flush Joint	∞	**2.73**	**1.04**	**6,708**	**3**	**1.61**	4.66	**199,228**
w/8.4#/g mud, 30min Sfc Csg Test psig:						Totals:	10,708				318,028
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	750	1495	1081	38	10.20	4279	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	3.02	1.68	1.91	10,608	2	2.95	2.59	212,160
"B"	**20.00**	**RY P 110**	Semi-Flush	∞	**1.68**	**1.91**	**17,233**	**2**	**2.95**	2.59	**344,660**
w/8.4#/g mud, 30min Sfc Csg Test psig:	2,334					Totals:	27,841				556,820
The cement volume(s) are intended to achieve a top of				10500	ft from surface or a		208				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
6 3/4	0.0835	1230	1881	1450	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 155H
LOCATION:	Sec 23-24S-30E-NMP
COUNTY:	Eddy County, New Mexico

*Updated COAs per Sundry **2682436**; 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 intergrity 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 intergrity 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.

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District IV
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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 134398

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 134398
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD Conditions of Approval	8/19/2022