

Well Name: POKER LAKE UNIT 18 TWR	Well Location: T24S / R31E / SEC 19 / NWNW /	County or Parish/State:
Well Number: 117H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM025533	Unit or CA Name:	Unit or CA Number: NMNM71016X
US Well Number: 3001554270	Well Status: Approved Application for Permit to Drill	Operator: XTO ENERGY INCORPORATED

Notice of Intent

Sundry ID: 2755469

Type of Submission: Notice of Intent **Type of Action:** APD Change

Date Sundry Submitted: 10/09/2023 **Time Sundry Submitted:** 10:10

Date proposed operation will begin: 10/09/2023

Procedure Description: ** First and Last Take Point Changes, Bottomhole Location Change, Drilling Plan Change, Directional Plan Change, Casing/Cement Change. XTO Energy Inc. requests permission to make the following changes to the original APD: No Additional Surface Disturbance FTP: fr/100'FNL & 330'FWL to 100'FNL & 660'FWL, NMNM025533 LTP: fr/100'FSL & 330'FWL to 100'FSL & 660'FWL, NMLC61705B BHL: fr/50'FSL & 330'FWL to 50'FSL & 660'FWL, Section 30-T24S-R31E NMLC61705B Casing/Cement design: weight fr/23 to 20. Attachments: C102 Drilling Program Directional Plan MBS

NOI Attachments

Procedure Description

PLU_18_TWR_117H_Sundry_Attachments_20231009100937.pdf

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Conditions of Approval

Additional

Sec_19_24S_31E_NMP_Sundry_2755469_Poker_Lake_Unit_18_TWR_117H_COAs_20231025152238.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: JEAN COOPER	Signed on: OCT 09, 2023 10:09 AM
Name: XTO ENERGY INCORPORATED	
Title: Regulatory Analyst	
Street Address: 6401 HOLIDAY HILL ROAD BLDG 5	
City: MIDLAND	State: TX
Phone: (432) 620-6700	
Email address: JEAN.COOPER@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: 10/25/2023
Signature: Chris Walls	

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

¹⁰ Surface Location

¹¹ Bottom Hole Location If Different From Surface



MARK DILLON HARP 23786
Certificate Number

KC 618.013003.11-02

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

XTO Energy Inc.
PLU 18 Twin Wells Ranch 117H
Projected TD: 20928.56' MD / 10052' TVD
SHL: 60' FNL & 895' FWL , Section 19, T24S, R31E
BHL: 50' FSL & 660' FWL , Section 30, T24S, R31E
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	526'	Water
Top of Salt	901'	Water
Base of Salt	3991'	Water
Delaware	4257'	Water
Brushy Canyon	6756'	Water/Oil/Gas
Bone Spring	8113'	Water
1st Bone Spring	9069'	Water/Oil/Gas
2nd Bone Spring	9885'	Water/Oil/Gas
Target/Land Curve	10052'	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 @ 626' (275' 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 9184.7' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 20928.56 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 8884.7 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 626'	9.625	40	J-55	BTC	New	1.39	10.06	25.16
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	2.19	2.52	2.05
8.75	4000' – 9184.7'	7.625	29.7	HC L-80	Flush Joint	New	1.59	2.00	2.64
6.75	0' – 9084.7'	5.5	20	RY P-110	Semi-Premium	New	1.26	1.88	2.26
6.75	9084.7' - 20928.56'	5.5	20	RY P-110	Semi-Flush	New	1.26	1.70	2.26

- 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 +/- 626'

Lead: 100 sxs EconoCem-HLTRRC (mixed at 10.5 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 +/- 9184.7'

1st Stage

Optional Lead: 360 sxs Class C (mixed at 10.5 ppg, 2.77 ft³/sx, 15.59 gal/sx water)

TOC: Surface

Tail: 220 sxs Class C (mixed at 14.8 ppg, 1.35 ft³/sx, 6.39 gal/sx water)

TOC: Brushy Canyon @ 6756

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: 760 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 (6756') 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 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 +/- 20928.56'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft³/sx, 15.00 gal/sx water) Top of Cement: 8884.7 feet

Tail: 830 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft³/sx, 8.38 gal/sx water) Top of Cement: 9384.7 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 4322 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' - 626'	12.25	FW/Native	8.4-8.9	35-40	NC
626' - 9184.7'	8.75	FW / Cut Brine / Direct Emulsion	10.2-10.7	30-32	NC
9184.7' - 20928.56'	6.75	OBM	12.5-13	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 165 to 185 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 6534 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 - Poker Lake Unit 18 TWR 117H

Measured Depth: 20928.56 ft

TVD RKB: 10052.00 ft

Location

Cartographic
Reference System: New Mexico East -
NAD 27

Northing: 440412.84 ft

Easting: 658056.83 ft

RKB: 3525.00 ft

Ground Level: 3493.00 ft

North Reference: Grid

Convergence Angle: 0.27 Deg

Site: A

Slot: Poker Lake Unit 18
TWR 117H

Plan Sections

Poker Lake Unit 18 TWR 117H

Measured			TVD			Build	Turn	Dogleg		
Depth	Inclination	Azimuth	RKB	Y Offset	X Offset	Rate	Rate	Rate		
(ft)	(Deg)	(Deg)	(ft)	(ft)	(ft)	(Deg/100ft)	(Deg/100ft)	(Deg/100ft)	Target	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	0.00		
1599.37	7.99	340.61	1598.08	26.22	-9.23	2.00	0.00	2.00		
6349.30	7.99	340.61	6301.92	648.82	-228.33	0.00	0.00	0.00		
6748.67	0.00	0.00	6700.00	675.03	-237.55	-2.00	0.00	2.00		
9384.47	0.00	0.00	9335.80	675.03	-237.55	0.00	0.00	0.00		
10509.47	90.00	179.77	10052.00	-41.16	-234.73	8.00	0.00	8.00	FTP 2	
20878.56	90.00	179.77	10052.00	-10410.17	-193.88	0.00	0.00	0.00	LTP 2	
20928.56	90.00	179.77	10052.00	-10460.17	-193.68	0.00	0.00	0.00	BHL 2	

Position Uncertainty

Poker Lake Unit 18 TWR 117H

Measured	TVD	Highside	Lateral	Vertical	Magnitude	Semi-major	Semi-minor	Semi-minor	Tool
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Depth	Inclination	Azimuth	RKB	Error	Bias	Error	Bias	Error	Bias	of Bias	Error	Error	Azimuth	Used
(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	0.000	0.000	0.000	0.000	0.000	0.000	MWD+IFR1+MS
100.000	0.000	0.000	100.000	0.700	0.000	0.350	0.000	2.300	0.000	0.000	0.751	0.220	112.264	MWD+IFR1+MS
200.000	0.000	0.000	200.000	1.112	0.000	0.861	0.000	2.310	0.000	0.000	1.259	0.627	122.711	MWD+IFR1+MS
300.000	0.000	0.000	300.000	1.497	0.000	1.271	0.000	2.326	0.000	0.000	1.698	0.986	125.469	MWD+IFR1+MS
400.000	0.000	0.000	400.000	1.871	0.000	1.658	0.000	2.348	0.000	0.000	2.108	1.344	126.713	MWD+IFR1+MS
500.000	0.000	0.000	500.000	2.240	0.000	2.034	0.000	2.375	0.000	0.000	2.503	1.701	127.419	MWD+IFR1+MS
600.000	0.000	0.000	600.000	2.607	0.000	2.405	0.000	2.408	0.000	0.000	2.888	2.059	127.873	MWD+IFR1+MS
700.000	0.000	0.000	700.000	2.971	0.000	2.773	0.000	2.445	0.000	0.000	3.267	2.417	128.190	MWD+IFR1+MS
800.000	0.000	0.000	800.000	3.334	0.000	3.138	0.000	2.487	0.000	0.000	3.642	2.775	128.423	MWD+IFR1+MS
900.000	0.000	0.000	900.000	3.696	0.000	3.502	0.000	2.534	0.000	0.000	4.014	3.133	128.602	MWD+IFR1+MS
1000.000	0.000	0.000	1000.000	4.058	0.000	3.865	0.000	2.584	0.000	0.000	4.384	3.491	128.744	MWD+IFR1+MS
1100.000	0.000	0.000	1100.000	4.419	0.000	4.228	0.000	2.638	0.000	0.000	4.752	3.849	128.859	MWD+IFR1+MS
1200.000	0.000	0.000	1200.000	4.779	0.000	4.589	0.000	2.695	0.000	0.000	5.119	4.207	128.954	MWD+IFR1+MS
1300.000	2.000	340.612	1299.980	5.004	0.000	5.236	0.000	2.754	0.000	0.000	5.581	4.618	122.561	MWD+IFR1+MS
1400.000	4.000	340.612	1399.838	5.817	0.000	5.577	0.000	2.818	0.000	0.000	6.236	5.113	109.178	MWD+IFR1+MS
1500.000	6.000	340.612	1499.452	6.542	0.000	5.918	0.000	2.886	0.000	0.000	6.905	5.513	101.790	MWD+IFR1+MS
1599.369	7.987	340.612	1598.077	7.196	0.000	6.258	0.000	2.961	0.000	0.000	7.543	5.875	97.726	MWD+IFR1+MS
1700.000	7.987	340.612	1697.731	7.627	0.000	6.605	0.000	3.035	0.000	0.000	7.977	6.213	97.227	MWD+IFR1+MS
1800.000	7.987	340.612	1796.761	7.938	0.000	6.952	0.000	3.110	0.000	0.000	8.293	6.557	97.691	MWD+IFR1+MS
1900.000	7.987	340.612	1895.791	8.253	0.000	7.301	0.000	3.188	0.000	0.000	8.612	6.902	98.126	MWD+IFR1+MS
2000.000	7.987	340.612	1994.821	8.574	0.000	7.651	0.000	3.267	0.000	0.000	8.936	7.250	98.538	MWD+IFR1+MS
2100.000	7.987	340.612	2093.851	8.898	0.000	8.004	0.000	3.349	0.000	0.000	9.264	7.599	98.927	MWD+IFR1+MS
2200.000	7.987	340.612	2192.881	9.226	0.000	8.357	0.000	3.433	0.000	0.000	9.594	7.949	99.296	MWD+IFR1+MS
2300.000	7.987	340.612	2291.911	9.557	0.000	8.712	0.000	3.519	0.000	0.000	9.928	8.301	99.646	MWD+IFR1+MS
2400.000	7.987	340.612	2390.941	9.892	0.000	9.067	0.000	3.607	0.000	0.000	10.264	8.654	99.978	MWD+IFR1+MS
2500.000	7.987	340.612	2489.970	10.228	0.000	9.424	0.000	3.696	0.000	0.000	10.602	9.008	100.293	MWD+IFR1+MS
2600.000	7.987	340.612	2589.000	10.567	0.000	9.781	0.000	3.787	0.000	0.000	10.942	9.363	100.592	MWD+IFR1+MS
2700.000	7.987	340.612	2688.030	10.908	0.000	10.139	0.000	3.880	0.000	0.000	11.284	9.718	100.877	MWD+IFR1+MS
2800.000	7.987	340.612	2787.060	11.252	0.000	10.498	0.000	3.974	0.000	0.000	11.628	10.075	101.147	MWD+IFR1+MS
2900.000	7.987	340.612	2886.090	11.596	0.000	10.857	0.000	4.070	0.000	0.000	11.974	10.432	101.405	MWD+IFR1+MS
3000.000	7.987	340.612	2985.120	11.943	0.000	11.217	0.000	4.167	0.000	0.000	12.321	10.789	101.651	MWD+IFR1+MS

3100.000	7.987	340.612	3084.150	12.291	0.000	11.577	0.000	4.265	0.000	0.000	12.669	11.148	101.885	MWD+IFR1+MS
3200.000	7.987	340.612	3183.179	12.640	0.000	11.938	0.000	4.365	0.000	0.000	13.018	11.506	102.109	MWD+IFR1+MS
3300.000	7.987	340.612	3282.209	12.991	0.000	12.299	0.000	4.467	0.000	0.000	13.369	11.865	102.322	MWD+IFR1+MS
3400.000	7.987	340.612	3381.239	13.343	0.000	12.661	0.000	4.570	0.000	0.000	13.720	12.225	102.526	MWD+IFR1+MS
3500.000	7.987	340.612	3480.269	13.695	0.000	13.022	0.000	4.674	0.000	0.000	14.073	12.585	102.721	MWD+IFR1+MS
3600.000	7.987	340.612	3579.299	14.049	0.000	13.385	0.000	4.779	0.000	0.000	14.426	12.945	102.907	MWD+IFR1+MS
3700.000	7.987	340.612	3678.329	14.404	0.000	13.747	0.000	4.886	0.000	0.000	14.781	13.306	103.086	MWD+IFR1+MS
3800.000	7.987	340.612	3777.359	14.759	0.000	14.110	0.000	4.995	0.000	0.000	15.135	13.666	103.256	MWD+IFR1+MS
3900.000	7.987	340.612	3876.389	15.116	0.000	14.473	0.000	5.105	0.000	0.000	15.491	14.028	103.420	MWD+IFR1+MS
4000.000	7.987	340.612	3975.418	15.473	0.000	14.836	0.000	5.216	0.000	0.000	15.847	14.389	103.577	MWD+IFR1+MS
4100.000	7.987	340.612	4074.448	15.830	0.000	15.199	0.000	5.329	0.000	0.000	16.204	14.751	103.727	MWD+IFR1+MS
4200.000	7.987	340.612	4173.478	16.189	0.000	15.563	0.000	5.443	0.000	0.000	16.562	15.113	103.871	MWD+IFR1+MS
4300.000	7.987	340.612	4272.508	16.548	0.000	15.926	0.000	5.559	0.000	0.000	16.920	15.475	104.009	MWD+IFR1+MS
4400.000	7.987	340.612	4371.538	16.907	0.000	16.290	0.000	5.676	0.000	0.000	17.278	15.837	104.141	MWD+IFR1+MS
4500.000	7.987	340.612	4470.568	17.267	0.000	16.654	0.000	5.795	0.000	0.000	17.637	16.199	104.269	MWD+IFR1+MS
4600.000	7.987	340.612	4569.598	17.628	0.000	17.018	0.000	5.915	0.000	0.000	17.996	16.562	104.391	MWD+IFR1+MS
4700.000	7.987	340.612	4668.628	17.989	0.000	17.383	0.000	6.038	0.000	0.000	18.356	16.925	104.508	MWD+IFR1+MS
4800.000	7.987	340.612	4767.657	18.350	0.000	17.747	0.000	6.161	0.000	0.000	18.716	17.288	104.621	MWD+IFR1+MS
4900.000	7.987	340.612	4866.687	18.712	0.000	18.112	0.000	6.287	0.000	0.000	19.077	17.651	104.729	MWD+IFR1+MS
5000.000	7.987	340.612	4965.717	19.074	0.000	18.476	0.000	6.414	0.000	0.000	19.438	18.014	104.833	MWD+IFR1+MS
5100.000	7.987	340.612	5064.747	19.437	0.000	18.841	0.000	6.543	0.000	0.000	19.799	18.378	104.933	MWD+IFR1+MS
5200.000	7.987	340.612	5163.777	19.800	0.000	19.206	0.000	6.673	0.000	0.000	20.160	18.741	105.029	MWD+IFR1+MS
5300.000	7.987	340.612	5262.807	20.163	0.000	19.571	0.000	6.806	0.000	0.000	20.522	19.105	105.121	MWD+IFR1+MS
5400.000	7.987	340.612	5361.837	20.526	0.000	19.936	0.000	6.940	0.000	0.000	20.884	19.469	105.210	MWD+IFR1+MS
5500.000	7.987	340.612	5460.866	20.890	0.000	20.301	0.000	7.076	0.000	0.000	21.247	19.833	105.295	MWD+IFR1+MS
5600.000	7.987	340.612	5559.896	21.254	0.000	20.667	0.000	7.214	0.000	0.000	21.609	20.197	105.377	MWD+IFR1+MS
5700.000	7.987	340.612	5658.926	21.619	0.000	21.032	0.000	7.354	0.000	0.000	21.972	20.561	105.456	MWD+IFR1+MS
5800.000	7.987	340.612	5757.956	21.983	0.000	21.397	0.000	7.496	0.000	0.000	22.335	20.925	105.532	MWD+IFR1+MS
5900.000	7.987	340.612	5856.986	22.348	0.000	21.763	0.000	7.640	0.000	0.000	22.698	21.289	105.605	MWD+IFR1+MS
6000.000	7.987	340.612	5956.016	22.713	0.000	22.128	0.000	7.786	0.000	0.000	23.062	21.654	105.675	MWD+IFR1+MS
6100.000	7.987	340.612	6055.046	23.078	0.000	22.494	0.000	7.933	0.000	0.000	23.425	22.018	105.742	MWD+IFR1+MS
6200.000	7.987	340.612	6154.076	23.444	0.000	22.860	0.000	8.083	0.000	0.000	23.789	22.383	105.806	MWD+IFR1+MS
6300.000	7.987	340.612	6253.105	23.810	0.000	23.225	0.000	8.236	0.000	0.000	24.153	22.747	105.868	MWD+IFR1+MS

6349.296	7.987	340.612	6301.923	23.987	0.000	23.403	0.000	8.311	0.000	0.000	24.328	22.927	105.859	MWD+IFR1+MS
6400.000	6.973	340.612	6352.195	24.180	0.000	23.584	0.000	8.390	0.000	0.000	24.508	23.111	105.807	MWD+IFR1+MS
6500.000	4.973	340.612	6451.647	24.592	0.000	23.942	0.000	8.546	0.000	0.000	24.911	23.480	104.865	MWD+IFR1+MS
6600.000	2.973	340.612	6551.402	25.018	0.000	24.299	0.000	8.700	0.000	0.000	25.355	23.848	103.389	MWD+IFR1+MS
6700.000	0.973	340.612	6651.337	25.408	0.000	24.651	0.000	8.852	0.000	0.000	25.792	24.209	102.086	MWD+IFR1+MS
6748.665	0.000	0.000	6700.000	25.900	0.000	24.449	0.000	8.925	0.000	0.000	25.967	24.378	101.973	MWD+IFR1+MS
6800.000	0.000	0.000	6751.335	26.072	0.000	24.626	0.000	9.002	0.000	0.000	26.139	24.555	101.983	MWD+IFR1+MS
6900.000	0.000	0.000	6851.335	26.407	0.000	24.974	0.000	9.153	0.000	0.000	26.474	24.903	102.097	MWD+IFR1+MS
7000.000	0.000	0.000	6951.335	26.745	0.000	25.325	0.000	9.308	0.000	0.000	26.814	25.252	102.309	MWD+IFR1+MS
7100.000	0.000	0.000	7051.335	27.084	0.000	25.677	0.000	9.464	0.000	0.000	27.155	25.602	102.517	MWD+IFR1+MS
7200.000	0.000	0.000	7151.335	27.423	0.000	26.029	0.000	9.624	0.000	0.000	27.496	25.952	102.723	MWD+IFR1+MS
7300.000	0.000	0.000	7251.335	27.763	0.000	26.381	0.000	9.786	0.000	0.000	27.837	26.302	102.926	MWD+IFR1+MS
7400.000	0.000	0.000	7351.335	28.103	0.000	26.733	0.000	9.951	0.000	0.000	28.179	26.652	103.125	MWD+IFR1+MS
7500.000	0.000	0.000	7451.335	28.443	0.000	27.086	0.000	10.119	0.000	0.000	28.522	27.003	103.322	MWD+IFR1+MS
7600.000	0.000	0.000	7551.335	28.784	0.000	27.438	0.000	10.289	0.000	0.000	28.865	27.354	103.516	MWD+IFR1+MS
7700.000	0.000	0.000	7651.335	29.126	0.000	27.791	0.000	10.462	0.000	0.000	29.208	27.704	103.707	MWD+IFR1+MS
7800.000	0.000	0.000	7751.335	29.467	0.000	28.144	0.000	10.638	0.000	0.000	29.552	28.055	103.895	MWD+IFR1+MS
7900.000	0.000	0.000	7851.335	29.810	0.000	28.497	0.000	10.817	0.000	0.000	29.896	28.406	104.081	MWD+IFR1+MS
8000.000	0.000	0.000	7951.335	30.152	0.000	28.850	0.000	10.999	0.000	0.000	30.240	28.758	104.264	MWD+IFR1+MS
8100.000	0.000	0.000	8051.335	30.495	0.000	29.203	0.000	11.183	0.000	0.000	30.585	29.109	104.444	MWD+IFR1+MS
8200.000	0.000	0.000	8151.335	30.839	0.000	29.557	0.000	11.371	0.000	0.000	30.930	29.461	104.622	MWD+IFR1+MS
8300.000	0.000	0.000	8251.335	31.182	0.000	29.910	0.000	11.561	0.000	0.000	31.276	29.812	104.797	MWD+IFR1+MS
8400.000	0.000	0.000	8351.335	31.526	0.000	30.264	0.000	11.754	0.000	0.000	31.621	30.164	104.970	MWD+IFR1+MS
8500.000	0.000	0.000	8451.335	31.870	0.000	30.617	0.000	11.950	0.000	0.000	31.967	30.516	105.140	MWD+IFR1+MS
8600.000	0.000	0.000	8551.335	32.215	0.000	30.971	0.000	12.149	0.000	0.000	32.314	30.868	105.308	MWD+IFR1+MS
8700.000	0.000	0.000	8651.335	32.560	0.000	31.325	0.000	12.351	0.000	0.000	32.660	31.220	105.473	MWD+IFR1+MS
8800.000	0.000	0.000	8751.335	32.905	0.000	31.679	0.000	12.555	0.000	0.000	33.007	31.573	105.636	MWD+IFR1+MS
8900.000	0.000	0.000	8851.335	33.251	0.000	32.033	0.000	12.763	0.000	0.000	33.354	31.925	105.797	MWD+IFR1+MS
9000.000	0.000	0.000	8951.335	33.596	0.000	32.388	0.000	12.974	0.000	0.000	33.702	32.278	105.956	MWD+IFR1+MS
9100.000	0.000	0.000	9051.335	33.942	0.000	32.742	0.000	13.187	0.000	0.000	34.050	32.630	106.112	MWD+IFR1+MS
9200.000	0.000	0.000	9151.335	34.289	0.000	33.096	0.000	13.404	0.000	0.000	34.398	32.983	106.266	MWD+IFR1+MS
9300.000	0.000	0.000	9251.335	34.635	0.000	33.451	0.000	13.623	0.000	0.000	34.746	33.336	106.418	MWD+IFR1+MS
9384.468	0.000	0.000	9335.803	34.927	0.000	33.749	0.000	13.811	0.000	0.000	35.038	33.634	106.502	MWD+IFR1+MS

9400.000	1.243	179.774	9351.334	34.919	0.000	33.804	-0.000	13.846	0.000	0.000	35.088	33.686	106.503	MWD+IFR1+MS
9500.000	9.243	179.774	9450.834	34.940	0.000	34.115	-0.000	14.084	0.000	0.000	35.766	34.012	103.663	MWD+IFR1+MS
9600.000	17.243	179.774	9548.096	35.210	0.000	34.411	-0.000	14.444	0.000	0.000	37.137	34.324	99.690	MWD+IFR1+MS
9700.000	25.243	179.774	9641.226	34.941	0.000	34.684	-0.000	15.011	0.000	0.000	38.355	34.601	98.150	MWD+IFR1+MS
9800.000	33.243	179.774	9728.411	34.197	0.000	34.934	-0.000	15.841	0.000	0.000	39.389	34.848	97.429	MWD+IFR1+MS
9900.000	41.243	179.774	9807.955	33.071	0.000	35.158	-0.000	16.949	0.000	0.000	40.227	35.068	97.090	MWD+IFR1+MS
10000.000	49.243	179.774	9878.308	31.683	0.000	35.357	-0.000	18.314	0.000	0.000	40.871	35.262	96.965	MWD+IFR1+MS
10100.000	57.243	179.774	9938.102	30.189	0.000	35.532	-0.000	19.889	0.000	0.000	41.329	35.431	96.972	MWD+IFR1+MS
10200.000	65.243	179.774	9986.173	28.779	0.000	35.683	-0.000	21.613	0.000	0.000	41.623	35.578	97.058	MWD+IFR1+MS
10300.000	73.243	179.774	10021.586	27.668	0.000	35.811	-0.000	23.420	0.000	0.000	41.783	35.702	97.179	MWD+IFR1+MS
10400.000	81.243	179.774	10043.650	27.071	0.000	35.916	-0.000	25.248	0.000	0.000	41.846	35.804	97.286	MWD+IFR1+MS
10509.468	90.000	179.774	10052.000	27.547	0.000	36.006	-0.000	27.547	0.000	0.000	41.858	35.895	97.325	MWD+IFR1+MS
10600.000	90.000	179.774	10052.000	28.114	0.000	36.075	-0.000	28.114	0.000	0.000	41.859	35.966	97.295	MWD+IFR1+MS
10700.000	90.000	179.774	10052.000	28.294	0.000	36.171	-0.000	28.294	0.000	0.000	41.860	36.065	97.287	MWD+IFR1+MS
10800.000	90.000	179.774	10052.000	28.496	0.000	36.290	-0.000	28.496	0.000	0.000	41.862	36.185	97.305	MWD+IFR1+MS
10900.000	90.000	179.774	10052.000	28.717	0.000	36.429	-0.000	28.717	0.000	0.000	41.865	36.326	97.349	MWD+IFR1+MS
11000.000	90.000	179.774	10052.000	28.958	0.000	36.589	-0.000	28.958	0.000	0.000	41.868	36.487	97.422	MWD+IFR1+MS
11100.000	90.000	179.774	10052.000	29.219	0.000	36.769	-0.000	29.219	0.000	0.000	41.873	36.668	97.527	MWD+IFR1+MS
11200.000	90.000	179.774	10052.000	29.498	0.000	36.970	-0.000	29.498	0.000	0.000	41.878	36.869	97.669	MWD+IFR1+MS
11300.000	90.000	179.774	10052.000	29.794	0.000	37.190	-0.000	29.794	0.000	0.000	41.885	37.089	97.853	MWD+IFR1+MS
11400.000	90.000	179.774	10052.000	30.109	0.000	37.430	-0.000	30.109	0.000	0.000	41.892	37.329	98.087	MWD+IFR1+MS
11500.000	90.000	179.774	10052.000	30.440	0.000	37.689	-0.000	30.440	0.000	0.000	41.901	37.587	98.381	MWD+IFR1+MS
11600.000	90.000	179.774	10052.000	30.788	0.000	37.966	-0.000	30.788	0.000	0.000	41.910	37.862	98.751	MWD+IFR1+MS
11700.000	90.000	179.774	10052.000	31.152	0.000	38.262	-0.000	31.152	0.000	0.000	41.921	38.156	99.215	MWD+IFR1+MS
11800.000	90.000	179.774	10052.000	31.531	0.000	38.575	-0.000	31.531	0.000	0.000	41.934	38.465	99.802	MWD+IFR1+MS
11900.000	90.000	179.774	10052.000	31.925	0.000	38.906	-0.000	31.925	0.000	0.000	41.949	38.791	100.555	MWD+IFR1+MS
12000.000	90.000	179.774	10052.000	32.333	0.000	39.254	-0.000	32.333	0.000	0.000	41.966	39.132	101.538	MWD+IFR1+MS
12100.000	90.000	179.774	10052.000	32.755	0.000	39.619	-0.000	32.755	0.000	0.000	41.987	39.487	102.853	MWD+IFR1+MS
12200.000	90.000	179.774	10052.000	33.190	0.000	39.999	-0.000	33.190	0.000	0.000	42.012	39.853	104.670	MWD+IFR1+MS
12300.000	90.000	179.774	10052.000	33.638	0.000	40.395	-0.000	33.638	0.000	0.000	42.046	40.227	107.290	MWD+IFR1+MS
12400.000	90.000	179.774	10052.000	34.098	0.000	40.807	-0.000	34.098	0.000	0.000	42.093	40.604	111.258	MWD+IFR1+MS
12500.000	90.000	179.774	10052.000	34.570	0.000	41.233	-0.000	34.570	0.000	0.000	42.166	40.970	117.560	MWD+IFR1+MS
12600.000	90.000	179.774	10052.000	35.052	0.000	41.673	-0.000	35.052	0.000	0.000	42.289	41.300	127.497	MWD+IFR1+MS

12700.000	90.000	179.774	10052.000	35.546	0.000	42.127	-0.000	35.546	0.000	0.000	42.503	41.554	-39.386	MWD+IFR1+MS
12800.000	90.000	179.774	10052.000	36.050	0.000	42.594	-0.000	36.050	0.000	0.000	42.823	41.715	-27.410	MWD+IFR1+MS
12900.000	90.000	179.774	10052.000	36.564	0.000	43.075	-0.000	36.564	0.000	0.000	43.223	41.810	-19.291	MWD+IFR1+MS
13000.000	90.000	179.774	10052.000	37.087	0.000	43.568	-0.000	37.087	0.000	0.000	43.671	41.871	-14.218	MWD+IFR1+MS
13100.000	90.000	179.774	10052.000	37.620	0.000	44.073	-0.000	37.620	0.000	0.000	44.148	41.915	-10.951	MWD+IFR1+MS
13200.000	90.000	179.774	10052.000	38.161	0.000	44.590	-0.000	38.161	0.000	0.000	44.647	41.949	-8.732	MWD+IFR1+MS
13300.000	90.000	179.774	10052.000	38.710	0.000	45.117	-0.000	38.710	0.000	0.000	45.162	41.979	-7.150	MWD+IFR1+MS
13400.000	90.000	179.774	10052.000	39.268	0.000	45.656	-0.000	39.268	0.000	0.000	45.692	42.005	-5.975	MWD+IFR1+MS
13500.000	90.000	179.774	10052.000	39.833	0.000	46.206	-0.000	39.833	0.000	0.000	46.234	42.030	-5.074	MWD+IFR1+MS
13600.000	90.000	179.774	10052.000	40.406	0.000	46.765	-0.000	40.406	0.000	0.000	46.789	42.054	-4.364	MWD+IFR1+MS
13700.000	90.000	179.774	10052.000	40.985	0.000	47.334	-0.000	40.985	0.000	0.000	47.354	42.077	-3.792	MWD+IFR1+MS
13800.000	90.000	179.774	10052.000	41.571	0.000	47.913	-0.000	41.571	0.000	0.000	47.929	42.099	-3.324	MWD+IFR1+MS
13900.000	90.000	179.774	10052.000	42.164	0.000	48.501	-0.000	42.164	0.000	0.000	48.514	42.122	-2.935	MWD+IFR1+MS
14000.000	90.000	179.774	10052.000	42.763	0.000	49.097	-0.000	42.763	0.000	0.000	49.109	42.145	-2.607	MWD+IFR1+MS
14100.000	90.000	179.774	10052.000	43.368	0.000	49.702	-0.000	43.368	0.000	0.000	49.712	42.167	-2.327	MWD+IFR1+MS
14200.000	90.000	179.774	10052.000	43.978	0.000	50.316	-0.000	43.978	0.000	0.000	50.324	42.190	-2.087	MWD+IFR1+MS
14300.000	90.000	179.774	10052.000	44.594	0.000	50.937	-0.000	44.594	0.000	0.000	50.943	42.214	-1.879	MWD+IFR1+MS
14400.000	90.000	179.774	10052.000	45.216	0.000	51.565	-0.000	45.216	0.000	0.000	51.571	42.237	-1.697	MWD+IFR1+MS
14500.000	90.000	179.774	10052.000	45.842	0.000	52.201	-0.000	45.842	0.000	0.000	52.206	42.261	-1.538	MWD+IFR1+MS
14600.000	90.000	179.774	10052.000	46.473	0.000	52.844	-0.000	46.473	0.000	0.000	52.848	42.285	-1.397	MWD+IFR1+MS
14700.000	90.000	179.774	10052.000	47.108	0.000	53.494	-0.000	47.108	0.000	0.000	53.497	42.310	-1.271	MWD+IFR1+MS
14800.000	90.000	179.774	10052.000	47.749	0.000	54.150	-0.000	47.749	0.000	0.000	54.152	42.335	-1.160	MWD+IFR1+MS
14900.000	90.000	179.774	10052.000	48.393	0.000	54.812	-0.000	48.393	0.000	0.000	54.815	42.361	-1.059	MWD+IFR1+MS
15000.000	90.000	179.774	10052.000	49.041	0.000	55.481	-0.000	49.041	0.000	0.000	55.483	42.387	-0.969	MWD+IFR1+MS
15100.000	90.000	179.774	10052.000	49.694	0.000	56.155	-0.000	49.694	0.000	0.000	56.157	42.413	-0.888	MWD+IFR1+MS
15200.000	90.000	179.774	10052.000	50.350	0.000	56.835	-0.000	50.350	0.000	0.000	56.837	42.440	-0.814	MWD+IFR1+MS
15300.000	90.000	179.774	10052.000	51.010	0.000	57.521	-0.000	51.010	0.000	0.000	57.522	42.467	-0.748	MWD+IFR1+MS
15400.000	90.000	179.774	10052.000	51.673	0.000	58.211	-0.000	51.673	0.000	0.000	58.212	42.495	-0.687	MWD+IFR1+MS
15500.000	90.000	179.774	10052.000	52.340	0.000	58.907	-0.000	52.340	0.000	0.000	58.908	42.523	-0.631	MWD+IFR1+MS
15600.000	90.000	179.774	10052.000	53.010	0.000	59.608	-0.000	53.010	0.000	0.000	59.609	42.552	-0.580	MWD+IFR1+MS
15700.000	90.000	179.774	10052.000	53.683	0.000	60.313	-0.000	53.683	0.000	0.000	60.314	42.581	-0.534	MWD+IFR1+MS
15800.000	90.000	179.774	10052.000	54.359	0.000	61.023	-0.000	54.359	0.000	0.000	61.024	42.611	-0.491	MWD+IFR1+MS
15900.000	90.000	179.774	10052.000	55.037	0.000	61.738	-0.000	55.037	0.000	0.000	61.738	42.641	-0.452	MWD+IFR1+MS

16000.000	90.000	179.774	10052.000	55.719	0.000	62.456	-0.000	55.719	0.000	0.000	62.457	42.672	-0.415	MWD+IFR1+MS
16100.000	90.000	179.774	10052.000	56.403	0.000	63.179	-0.000	56.403	0.000	0.000	63.179	42.703	-0.382	MWD+IFR1+MS
16200.000	90.000	179.774	10052.000	57.090	0.000	63.906	-0.000	57.090	0.000	0.000	63.906	42.735	-0.351	MWD+IFR1+MS
16300.000	90.000	179.774	10052.000	57.780	0.000	64.636	-0.000	57.780	0.000	0.000	64.636	42.767	-0.322	MWD+IFR1+MS
16400.000	90.000	179.774	10052.000	58.472	0.000	65.371	-0.000	58.472	0.000	0.000	65.371	42.799	-0.296	MWD+IFR1+MS
16500.000	90.000	179.774	10052.000	59.166	0.000	66.108	-0.000	59.166	0.000	0.000	66.108	42.832	-0.271	MWD+IFR1+MS
16600.000	90.000	179.774	10052.000	59.862	0.000	66.850	-0.000	59.862	0.000	0.000	66.850	42.866	-0.248	MWD+IFR1+MS
16700.000	90.000	179.774	10052.000	60.561	0.000	67.594	-0.000	60.561	0.000	0.000	67.594	42.900	-0.227	MWD+IFR1+MS
16800.000	90.000	179.774	10052.000	61.261	0.000	68.342	-0.000	61.261	0.000	0.000	68.342	42.935	-0.207	MWD+IFR1+MS
16900.000	90.000	179.774	10052.000	61.964	0.000	69.093	-0.000	61.964	0.000	0.000	69.093	42.970	-0.189	MWD+IFR1+MS
17000.000	90.000	179.774	10052.000	62.669	0.000	69.847	-0.000	62.669	0.000	0.000	69.847	43.005	-0.172	MWD+IFR1+MS
17100.000	90.000	179.774	10052.000	63.375	0.000	70.604	-0.000	63.375	0.000	0.000	70.604	43.041	-0.156	MWD+IFR1+MS
17200.000	90.000	179.774	10052.000	64.083	0.000	71.364	-0.000	64.083	0.000	0.000	71.364	43.078	-0.141	MWD+IFR1+MS
17300.000	90.000	179.774	10052.000	64.793	0.000	72.126	-0.000	64.793	0.000	0.000	72.127	43.115	-0.127	MWD+IFR1+MS
17400.000	90.000	179.774	10052.000	65.505	0.000	72.892	-0.000	65.505	0.000	0.000	72.892	43.152	-0.114	MWD+IFR1+MS
17500.000	90.000	179.774	10052.000	66.219	0.000	73.659	-0.000	66.219	0.000	0.000	73.660	43.190	-0.101	MWD+IFR1+MS
17600.000	90.000	179.774	10052.000	66.934	0.000	74.430	-0.000	66.934	0.000	0.000	74.430	43.229	-0.090	MWD+IFR1+MS
17700.000	90.000	179.774	10052.000	67.650	0.000	75.203	-0.000	67.650	0.000	0.000	75.203	43.268	-0.079	MWD+IFR1+MS
17800.000	90.000	179.774	10052.000	68.368	0.000	75.978	-0.000	68.368	0.000	0.000	75.978	43.307	-0.069	MWD+IFR1+MS
17900.000	90.000	179.774	10052.000	69.088	0.000	76.755	-0.000	69.088	0.000	0.000	76.755	43.347	-0.060	MWD+IFR1+MS
18000.000	90.000	179.774	10052.000	69.809	0.000	77.535	-0.000	69.809	0.000	0.000	77.535	43.387	-0.051	MWD+IFR1+MS
18100.000	90.000	179.774	10052.000	70.531	0.000	78.316	-0.000	70.531	0.000	0.000	78.316	43.428	-0.043	MWD+IFR1+MS
18200.000	90.000	179.774	10052.000	71.255	0.000	79.100	-0.000	71.255	0.000	0.000	79.100	43.469	-0.035	MWD+IFR1+MS
18300.000	90.000	179.774	10052.000	71.980	0.000	79.886	-0.000	71.980	0.000	0.000	79.886	43.511	-0.027	MWD+IFR1+MS
18400.000	90.000	179.774	10052.000	72.706	0.000	80.674	-0.000	72.706	0.000	0.000	80.674	43.553	-0.021	MWD+IFR1+MS
18500.000	90.000	179.774	10052.000	73.433	0.000	81.463	-0.000	73.433	0.000	0.000	81.464	43.596	-0.014	MWD+IFR1+MS
18600.000	90.000	179.774	10052.000	74.162	0.000	82.255	-0.000	74.162	0.000	0.000	82.255	43.639	-0.008	MWD+IFR1+MS
18700.000	90.000	179.774	10052.000	74.891	0.000	83.048	-0.000	74.891	0.000	0.000	83.049	43.683	-0.003	MWD+IFR1+MS
18800.000	90.000	179.774	10052.000	75.622	0.000	83.843	-0.000	75.622	0.000	0.000	83.844	43.727	0.003	MWD+IFR1+MS
18900.000	90.000	179.774	10052.000	76.354	0.000	84.640	-0.000	76.354	0.000	0.000	84.640	43.772	0.008	MWD+IFR1+MS
19000.000	90.000	179.774	10052.000	77.087	0.000	85.438	-0.000	77.087	0.000	0.000	85.439	43.817	0.012	MWD+IFR1+MS
19100.000	90.000	179.774	10052.000	77.821	0.000	86.238	-0.000	77.821	0.000	0.000	86.239	43.863	0.017	MWD+IFR1+MS
19200.000	90.000	179.774	10052.000	78.555	0.000	87.040	-0.000	78.555	0.000	0.000	87.041	43.909	0.021	MWD+IFR1+MS

19300.000	90.000	179.774	10052.000	79.291	0.000	87.843	-0.000	79.291	0.000	0.000	87.844	43.955	0.025	MWD+IFR1+MS
19400.000	90.000	179.774	10052.000	80.028	0.000	88.648	-0.000	80.028	0.000	0.000	88.648	44.002	0.028	MWD+IFR1+MS
19500.000	90.000	179.774	10052.000	80.766	0.000	89.454	-0.000	80.766	0.000	0.000	89.454	44.049	0.032	MWD+IFR1+MS
19600.000	90.000	179.774	10052.000	81.504	0.000	90.261	-0.000	81.504	0.000	0.000	90.262	44.097	0.035	MWD+IFR1+MS
19700.000	90.000	179.774	10052.000	82.244	0.000	91.070	-0.000	82.244	0.000	0.000	91.070	44.145	0.038	MWD+IFR1+MS
19800.000	90.000	179.774	10052.000	82.984	0.000	91.880	-0.000	82.984	0.000	0.000	91.881	44.194	0.040	MWD+IFR1+MS
19900.000	90.000	179.774	10052.000	83.725	0.000	92.691	-0.000	83.725	0.000	0.000	92.692	44.243	0.043	MWD+IFR1+MS
20000.000	90.000	179.774	10052.000	84.467	0.000	93.504	-0.000	84.467	0.000	0.000	93.505	44.293	0.045	MWD+IFR1+MS
20100.000	90.000	179.774	10052.000	85.209	0.000	94.318	-0.000	85.209	0.000	0.000	94.318	44.343	0.048	MWD+IFR1+MS
20200.000	90.000	179.774	10052.000	85.953	0.000	95.133	-0.000	85.953	0.000	0.000	95.134	44.394	0.050	MWD+IFR1+MS
20300.000	90.000	179.774	10052.000	86.697	0.000	95.949	-0.000	86.697	0.000	0.000	95.950	44.445	0.052	MWD+IFR1+MS
20400.000	90.000	179.774	10052.000	87.442	0.000	96.766	-0.000	87.442	0.000	0.000	96.767	44.496	0.054	MWD+IFR1+MS
20500.000	90.000	179.774	10052.000	88.187	0.000	97.585	-0.000	88.187	0.000	0.000	97.586	44.548	0.055	MWD+IFR1+MS
20600.000	90.000	179.774	10052.000	88.933	0.000	98.404	-0.000	88.933	0.000	0.000	98.405	44.601	0.057	MWD+IFR1+MS
20700.000	90.000	179.774	10052.000	89.680	0.000	99.225	-0.000	89.680	0.000	0.000	99.226	44.653	0.058	MWD+IFR1+MS
20800.000	90.000	179.774	10052.000	90.428	0.000	100.046	-0.000	90.428	0.000	0.000	100.047	44.707	0.060	MWD+IFR1+MS
20878.558	90.000	179.774	10052.000	91.015	0.000	100.691	-0.000	91.015	0.000	0.000	100.692	44.749	0.061	MWD+IFR1+MS
20900.000	90.000	179.774	10052.000	91.175	0.000	100.867	-0.000	91.175	0.000	0.000	100.868	44.760	0.061	MWD+IFR1+MS
20928.559	90.000	179.774	10052.000	91.388	0.000	101.101	-0.000	91.388	0.000	0.000	101.102	44.776	0.061	MWD+IFR1+MS

Plan Targets

Poker Lake Unit 18 TWR 117H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 2	10509.36	440371.68	657822.10	6527.00	RECTANGLE
LTP 2	20878.56	430002.67	657862.95	6527.00	RECTANGLE
BHL 2	20928.57	429952.67	657863.16	6527.00	RECTANGLE



ALL DIMENSIONS APPROXIMATE			
CACTUS WELLHEAD LLC		XTO ENERGY INC DELAWARE BASIN	
20" x 9-5/8" x 7-5/8" x 5-1/2" MBU-T-CFL-R-DBLO Wellhead With 11" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head And 9-5/8", 7-5/8" & 5-1/2" Pin Bottom Mandrel Casing Hangers	DRAWN	VJK	31MAR22
	APPRV		
DRAWING NO.		HBE0000479	

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 280435

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 280435
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	All original COA's still apply. Additionally, if cement does not circulate during cement of a string, then a CBL is required on that string. Also, this well can not be produced until XTO is in compliance with Rule 5.9.	11/21/2023