

Well Name: POKER LAKE UNIT 18 TWR	Well Location: T24S / R31E / SEC 19 / NWNE /	County or Parish/State:
Well Number: 310H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM025533	Unit or CA Name:	Unit or CA Number: NMNM71016X
US Well Number: 3001554272	Well Status: Approved Application for Permit to Drill	Operator: XTO ENERGY INCORPORATED

Notice of Intent

Sundry ID: 2755470

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 10/09/2023	Time Sundry Submitted: 10:16
Date proposed operation will begin: 10/09/2023	

Procedure Description: **Surface Hole Location Change, First and Last Take Point Changes, Bottom Hole Location Change, Drilling Plan Change, Directional Plan Change. XTO Energy Inc. requests permission to make the following changes to the original APD: SHL: fr/235’FNL & 1746’FEL to 235’FNL & 1711’FEL, Section 19-T24S-R31E NMNM025533 FTP: fr/100’FNL & 1985’FEL to 100’FNL & 1440’FEL, NMNM025533 LTP: fr/100’FSL & 1985’FEL to 100’FSL & 1440’FEL, NMNM000506 BHL: fr/50’FSL & 1985’FEL to 50’FSL & 1440’FEL, Section 30-T24S-R31E NMNM000506 Casing/Cement design per the attached drilling program. Attachments: C102 Drilling Program Directional Plan MBS

NOI Attachments

Procedure Description

PLU_18_Twin_Wells_Ranch_310H_Sundry_Attachments_20231009101554.pdf

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Conditions of Approval

Additional

Sec_19_24S_31E_NMP_Sundry_2755470_Poker_Lake_Unit_18_TWR_310H_COAs_20231025151023.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 10:16 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: 10/31/2023
Signature: Chris Walls	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

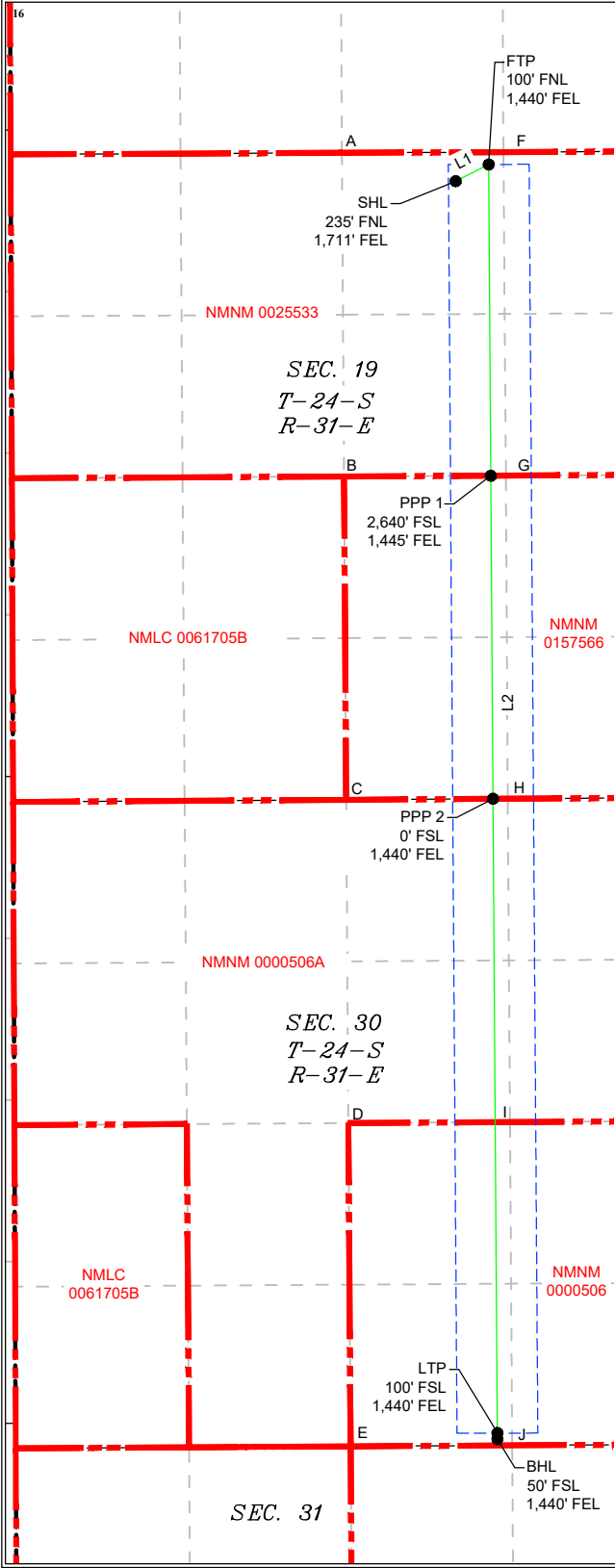
¹ API Number 30-015-	² Pool Code 97975	³ Pool Name WC-015 G-06 S243119C; Bone Spring
⁴ Property Code	⁵ Property Name POKER LAKE UNIT 18 TWR	⁶ Well Number 310H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,500'

¹⁰ Surface Location									
UL or lot no. B	Section 19	Township 24S	Range 31E	Lot Idn	Feet from the 235	North/South line NORTH	Feet from the 1,711	East/West line EAST	County EDDY

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. O	Section 30	Township 24S	Range 31E	Lot Idn	Feet from the 50	North/South line SOUTH	Feet from the 1,440	East/West line EAST	County EDDY

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



LEGEND


---	SECTION LINE
---	PROPOSED WELL BORE
---	NEW MEXICO MINERAL LEASE
---	330' BUFFER
---	ALLOCATION AREA

LINE TABLE		
LINE	AZUMITH	LENGTH
L1	243°12'03"	302.24'
L2	179°36'33"	10,415.25'

COORDINATE TABLE			
SHL (NAD 83 NME)		SHL (NAD 27 NME)	
Y = 440,309.73 N	X = 701,981.48 E	Y = 440,250.79 N	X = 660,797.59 E
LAT. = 32.209421 °N	LONG. = 103.813926 °W	LAT. = 32.209298 °N	LONG. = 103.813441 °W
FTP (NAD 83 NME)		FTP (NAD 27 NME)	
Y = 440,446.00 N	X = 702,251.26 E	Y = 440,387.05 N	X = 661,067.37 E
LAT. = 32.209792 °N	LONG. = 103.813052 °W	LAT. = 32.209669 °N	LONG. = 103.812567 °W
PPP 1 (NAD 83 NME)		PPP 1 (NAD 27 NME)	
Y = 437,903.02 N	X = 702,268.61 E	Y = 437,844.14 N	X = 661,084.62 E
LAT. = 32.202802 °N	LONG. = 103.813035 °W	LAT. = 32.202678 °N	LONG. = 103.812551 °W
PPP 2 (NAD 83 NME)		PPP 2 (NAD 27 NME)	
Y = 435,263.10 N	X = 702,286.61 E	Y = 435,204.29 N	X = 661,102.53 E
LAT. = 32.195545 °N	LONG. = 103.813019 °W	LAT. = 32.195421 °N	LONG. = 103.812534 °W
LTP (NAD 83 NME)		LTP (NAD 27 NME)	
Y = 430,080.99 N	X = 702,321.96 E	Y = 430,022.31 N	X = 661,137.68 E
LAT. = 32.181300 °N	LONG. = 103.812985 °W	LAT. = 32.181176 °N	LONG. = 103.812502 °W
BHL (NAD 83 NME)		BHL (NAD 27 NME)	
Y = 430,030.99 N	X = 702,322.29 E	Y = 429,972.31 N	X = 661,138.01 E
LAT. = 32.181163 °N	LONG. = 103.812985 °W	LAT. = 32.181039 °N	LONG. = 103.812502 °W
CORNER COORDINATES (NAD 83 NME)			
A - Y = 440,540.13 N	B - Y = 437,896.82 N	C - Y = 435,255.58 N	D - Y = 432,614.73 N
E - Y = 429,973.77 N	F - Y = 440,546.59 N	G - Y = 437,903.66 N	H - Y = 435,263.85 N
I - Y = 432,622.97 N	J - Y = 429,981.71 N	A - X = 701,051.65 E	B - X = 701,069.11 E
C - X = 701,086.55 E	D - X = 701,104.58 E	E - X = 701,122.61 E	F - X = 702,371.02 E
G - X = 702,391.31 E	H - X = 702,406.35 E	I - X = 702,424.75 E	J - X = 702,442.60 E
CORNER COORDINATES (NAD 27 NME)			
A - Y = 440,481.18 N	B - Y = 437,837.94 N	C - Y = 435,196.76 N	D - Y = 432,555.99 N
E - Y = 429,915.09 N	F - Y = 440,487.64 N	G - Y = 437,844.78 N	H - Y = 435,205.04 N
I - Y = 432,564.23 N	J - Y = 429,923.04 N	A - X = 659,867.78 E	B - X = 659,885.13 E
C - X = 659,902.48 E	D - X = 659,920.41 E	E - X = 659,938.34 E	F - X = 661,187.13 E
G - X = 661,207.32 E	H - X = 661,222.26 E	I - X = 661,240.57 E	J - X = 661,258.32 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.

 10/8/2023
Signature Date

Jean A. Cooper
Printed Name

jean.cooper@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.

09-26-2023

Date of Survey

Signature and Seal of
Professional Surveyor:





MARK DILLON HARP 23786
Certificate Number

KC 618.013003.11-03

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

XTO Energy Inc.
PLU 18 Twin Wells Ranch 310H
Projected TD: 21687.77' MD / 10796' TVD
SHL: 235' FNL & 1711' FEL , Section 19, T24S, R31E
BHL: 50' FSL & 1440' FEL , 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	595'	Water
Top of Salt	960'	Water
Base of Salt	4065'	Water
Delaware	4297'	Water
Brushy Canyon	6800'	Water/Oil/Gas
Bone Spring	8135'	Water
1st Bone Spring	9117'	Water/Oil/Gas
2nd Bone Spring	9913'	Water/Oil/Gas
3rd Bone Spring	10636'	Water/Oil/Gas
Target/Land Curve	10796'	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 @ 695' (265' 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 9947.81' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 21687.77 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 9647.81 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 695'	9.625	40	J-55	BTC	New	1.28	9.06	22.66
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	2.04	2.52	1.89
8.75	4000' – 9947.81'	7.625	29.7	HC L-80	Flush Joint	New	1.48	1.85	2.30
6.75	0' – 9847.81'	5.5	23	RY P-110	Semi-Premium	New	1.45	2.27	1.96
6.75	9847.81' - 21687.77'	5.5	23	RY P-110	Semi-Flush	New	1.45	2.07	2.06

- 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 +/- 695'

Lead: 130 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 +/- 9947.81'

1st Stage

Optional Lead: 370 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)

TOC: Surface

Tail: 290 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)

TOC: Brushy Canyon @ 6800

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: 770 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 (6800') 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, 23 New Semi-Flush, RY P-110 casing to be set at +/- 21687.77'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 9647.81 feet

Tail: 820 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 10147.81 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 4642 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' - 695'	12.25	FW/Native	8.4-8.9	35-40	NC
695' - 9947.81'	8.75	FW / Cut Brine / Direct Emulsion	10.2-10.7	30-32	NC
9947.81' - 21687.77'	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 170 to 190 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 7017 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 310H

Measured Depth: 21687.77 ft

TVD RKB: 10789.00 ft

LocationCartographic
Reference System: New Mexico East -
NAD 27

Northing: 440250.79 ft

Easting: 660797.59 ft

RKB: 3532.00 ft

Ground Level: 3493.00 ft

North Reference: Grid

Convergence Angle: 0.28 Deg

Site: A

Slot: Poker Lake Unit 18
TWR 310H**Plan Sections**

Poker Lake Unit 18 TWR 310H

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	7.00	0.00	0.00	0.00	0.00	0.00	
1200.00	0.00	0.00	1207.00	0.00	0.00	0.00	0.00	0.00	
1696.15	9.92	17.26	1700.67	40.93	12.72	2.00	0.00	2.00	
6378.86	9.92	17.26	6313.33	811.52	252.20	0.00	0.00	0.00	
6875.01	0.00	0.00	6807.00	852.44	264.92	-2.00	0.00	2.00	
10147.81	0.00	0.00	10079.80	852.44	264.92	0.00	0.00	0.00	
11272.81	90.00	179.61	10796.00	136.26	269.78	8.00	0.00	8.00	FTP 3
21637.79	90.00	179.61	10796.00	-10228.48	340.09	0.00	0.00	0.00	LTP 3
21687.77	90.00	179.61	10796.00	-10278.47	340.43	0.00	0.00	0.00	BHL 3

Position Uncertainty

Poker Lake Unit 18 TWR 310H

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	17.264	1299.980	5.531	0.000	4.711	0.000	2.754	0.000	0.000	5.655	4.564	127.723	MWD+IFR1+MS
1400.000	4.000	17.264	1399.838	6.275	0.000	5.087	0.000	2.818	0.000	0.000	6.414	4.923	125.424	MWD+IFR1+MS
1500.000	6.000	17.264	1499.452	6.950	0.000	5.459	0.000	2.886	0.000	0.000	7.111	5.278	124.285	MWD+IFR1+MS
1600.000	8.000	17.264	1598.702	7.574	0.000	5.829	0.000	2.961	0.000	0.000	7.759	5.632	123.606	MWD+IFR1+MS
1696.150	9.923	17.264	1693.673	8.111	0.000	6.180	0.000	3.041	0.000	0.000	8.322	5.972	123.188	MWD+IFR1+MS
1700.000	9.923	17.264	1697.466	8.122	0.000	6.193	0.000	3.039	0.000	0.000	8.334	5.986	123.168	MWD+IFR1+MS
1800.000	9.923	17.264	1795.970	8.398	0.000	6.541	0.000	3.114	0.000	0.000	8.602	6.345	123.165	MWD+IFR1+MS
1900.000	9.923	17.264	1894.474	8.697	0.000	6.911	0.000	3.193	0.000	0.000	8.901	6.714	123.533	MWD+IFR1+MS
2000.000	9.923	17.264	1992.978	9.002	0.000	7.281	0.000	3.275	0.000	0.000	9.204	7.085	123.890	MWD+IFR1+MS
2100.000	9.923	17.264	2091.482	9.313	0.000	7.652	0.000	3.359	0.000	0.000	9.513	7.455	124.236	MWD+IFR1+MS
2200.000	9.923	17.264	2189.986	9.628	0.000	8.023	0.000	3.446	0.000	0.000	9.827	7.826	124.573	MWD+IFR1+MS
2300.000	9.923	17.264	2288.490	9.948	0.000	8.394	0.000	3.534	0.000	0.000	10.144	8.197	124.899	MWD+IFR1+MS
2400.000	9.923	17.264	2386.994	10.272	0.000	8.766	0.000	3.625	0.000	0.000	10.465	8.568	125.216	MWD+IFR1+MS
2500.000	9.923	17.264	2485.498	10.599	0.000	9.138	0.000	3.718	0.000	0.000	10.790	8.940	125.524	MWD+IFR1+MS
2600.000	9.923	17.264	2584.002	10.930	0.000	9.510	0.000	3.813	0.000	0.000	11.118	9.311	125.822	MWD+IFR1+MS
2700.000	9.923	17.264	2682.506	11.264	0.000	9.882	0.000	3.909	0.000	0.000	11.449	9.683	126.112	MWD+IFR1+MS
2800.000	9.923	17.264	2781.010	11.601	0.000	10.254	0.000	4.007	0.000	0.000	11.782	10.055	126.394	MWD+IFR1+MS
2900.000	9.923	17.264	2879.514	11.940	0.000	10.627	0.000	4.107	0.000	0.000	12.117	10.427	126.667	MWD+IFR1+MS

3000.000	9.923	17.264	2978.018	12.281	0.000	10.999	0.000	4.208	0.000	0.000	12.455	10.799	126.933	MWD+IFR1+MS
3100.000	9.923	17.264	3076.522	12.625	0.000	11.372	0.000	4.311	0.000	0.000	12.795	11.171	127.191	MWD+IFR1+MS
3200.000	9.923	17.264	3175.026	12.971	0.000	11.745	0.000	4.416	0.000	0.000	13.137	11.544	127.442	MWD+IFR1+MS
3300.000	9.923	17.264	3273.530	13.318	0.000	12.118	0.000	4.522	0.000	0.000	13.480	11.916	127.686	MWD+IFR1+MS
3400.000	9.923	17.264	3372.034	13.667	0.000	12.491	0.000	4.629	0.000	0.000	13.825	12.289	127.923	MWD+IFR1+MS
3500.000	9.923	17.264	3470.538	14.018	0.000	12.864	0.000	4.738	0.000	0.000	14.172	12.662	128.154	MWD+IFR1+MS
3600.000	9.923	17.264	3569.042	14.370	0.000	13.237	0.000	4.848	0.000	0.000	14.519	13.035	128.378	MWD+IFR1+MS
3700.000	9.923	17.264	3667.546	14.723	0.000	13.610	0.000	4.960	0.000	0.000	14.868	13.408	128.595	MWD+IFR1+MS
3800.000	9.923	17.264	3766.050	15.077	0.000	13.983	0.000	5.073	0.000	0.000	15.219	13.781	128.807	MWD+IFR1+MS
3900.000	9.923	17.264	3864.554	15.433	0.000	14.356	0.000	5.188	0.000	0.000	15.570	14.154	129.013	MWD+IFR1+MS
4000.000	9.923	17.264	3963.058	15.790	0.000	14.730	0.000	5.304	0.000	0.000	15.922	14.527	129.213	MWD+IFR1+MS
4100.000	9.923	17.264	4061.562	16.148	0.000	15.103	0.000	5.422	0.000	0.000	16.275	14.900	129.408	MWD+IFR1+MS
4200.000	9.923	17.264	4160.066	16.506	0.000	15.477	0.000	5.541	0.000	0.000	16.630	15.273	129.597	MWD+IFR1+MS
4300.000	9.923	17.264	4258.570	16.866	0.000	15.850	0.000	5.662	0.000	0.000	16.985	15.647	129.782	MWD+IFR1+MS
4400.000	9.923	17.264	4357.074	17.227	0.000	16.223	0.000	5.784	0.000	0.000	17.340	16.020	129.961	MWD+IFR1+MS
4500.000	9.923	17.264	4455.578	17.588	0.000	16.597	0.000	5.908	0.000	0.000	17.697	16.394	130.135	MWD+IFR1+MS
4600.000	9.923	17.264	4554.082	17.950	0.000	16.971	0.000	6.033	0.000	0.000	18.054	16.767	130.305	MWD+IFR1+MS
4700.000	9.923	17.264	4652.587	18.312	0.000	17.344	0.000	6.160	0.000	0.000	18.412	17.141	130.470	MWD+IFR1+MS
4800.000	9.923	17.264	4751.091	18.676	0.000	17.718	0.000	6.289	0.000	0.000	18.770	17.514	130.630	MWD+IFR1+MS
4900.000	9.923	17.264	4849.595	19.039	0.000	18.091	0.000	6.419	0.000	0.000	19.129	17.888	130.786	MWD+IFR1+MS
5000.000	9.923	17.264	4948.099	19.404	0.000	18.465	0.000	6.550	0.000	0.000	19.489	18.262	130.938	MWD+IFR1+MS
5100.000	9.923	17.264	5046.603	19.769	0.000	18.839	0.000	6.684	0.000	0.000	19.849	18.636	131.086	MWD+IFR1+MS
5200.000	9.923	17.264	5145.107	20.134	0.000	19.213	0.000	6.819	0.000	0.000	20.210	19.009	131.229	MWD+IFR1+MS
5300.000	9.923	17.264	5243.611	20.500	0.000	19.586	0.000	6.956	0.000	0.000	20.571	19.383	131.369	MWD+IFR1+MS
5400.000	9.923	17.264	5342.115	20.867	0.000	19.960	0.000	7.095	0.000	0.000	20.932	19.757	131.504	MWD+IFR1+MS
5500.000	9.923	17.264	5440.619	21.234	0.000	20.334	0.000	7.235	0.000	0.000	21.294	20.131	131.636	MWD+IFR1+MS
5600.000	9.923	17.264	5539.123	21.601	0.000	20.708	0.000	7.378	0.000	0.000	21.656	20.505	131.764	MWD+IFR1+MS
5700.000	9.923	17.264	5637.627	21.968	0.000	21.081	0.000	7.522	0.000	0.000	22.019	20.879	131.889	MWD+IFR1+MS
5800.000	9.923	17.264	5736.131	22.337	0.000	21.455	0.000	7.668	0.000	0.000	22.382	21.253	132.010	MWD+IFR1+MS
5900.000	9.923	17.264	5834.635	22.705	0.000	21.829	0.000	7.816	0.000	0.000	22.745	21.627	132.127	MWD+IFR1+MS
6000.000	9.923	17.264	5933.139	23.074	0.000	22.203	0.000	7.966	0.000	0.000	23.109	22.001	132.241	MWD+IFR1+MS
6100.000	9.923	17.264	6031.643	23.443	0.000	22.577	0.000	8.118	0.000	0.000	23.473	22.376	132.351	MWD+IFR1+MS
6200.000	9.923	17.264	6130.147	23.812	0.000	22.951	0.000	8.272	0.000	0.000	23.837	22.750	132.458	MWD+IFR1+MS

6300.000	9.923	17.264	6228.651	24.182	0.000	23.325	0.000	8.428	0.000	0.000	24.202	23.124	132.562	MWD+IFR1+MS
6378.855	9.923	17.264	6306.327	24.471	0.000	23.617	0.000	8.552	0.000	0.000	24.486	23.419	132.566	MWD+IFR1+MS
6400.000	9.500	17.264	6327.168	24.554	0.000	23.695	0.000	8.585	0.000	0.000	24.560	23.497	132.536	MWD+IFR1+MS
6500.000	7.500	17.264	6426.065	24.964	0.000	24.060	0.000	8.746	0.000	0.000	24.950	23.867	131.969	MWD+IFR1+MS
6600.000	5.500	17.264	6525.417	25.407	0.000	24.424	0.000	8.906	0.000	0.000	25.405	24.232	130.838	MWD+IFR1+MS
6700.000	3.500	17.264	6625.103	25.814	0.000	24.781	0.000	9.062	0.000	0.000	25.853	24.591	129.884	MWD+IFR1+MS
6800.000	1.500	17.264	6725.003	26.183	0.000	25.132	0.000	9.213	0.000	0.000	26.293	24.941	129.080	MWD+IFR1+MS
6875.005	0.000	0.000	6800.000	26.055	0.000	25.745	0.000	9.325	0.000	0.000	26.580	25.202	128.504	MWD+IFR1+MS
6900.000	0.000	0.000	6824.995	26.139	0.000	25.827	0.000	9.362	0.000	0.000	26.662	25.287	128.456	MWD+IFR1+MS
7000.000	0.000	0.000	6924.995	26.474	0.000	26.161	0.000	9.512	0.000	0.000	26.990	25.628	128.356	MWD+IFR1+MS
7100.000	0.000	0.000	7024.995	26.814	0.000	26.499	0.000	9.664	0.000	0.000	27.327	25.970	128.297	MWD+IFR1+MS
7200.000	0.000	0.000	7124.995	27.154	0.000	26.838	0.000	9.819	0.000	0.000	27.664	26.312	128.239	MWD+IFR1+MS
7300.000	0.000	0.000	7224.995	27.495	0.000	27.177	0.000	9.977	0.000	0.000	28.002	26.655	128.183	MWD+IFR1+MS
7400.000	0.000	0.000	7324.995	27.836	0.000	27.517	0.000	10.137	0.000	0.000	28.340	26.998	128.127	MWD+IFR1+MS
7500.000	0.000	0.000	7424.995	28.178	0.000	27.857	0.000	10.301	0.000	0.000	28.679	27.341	128.072	MWD+IFR1+MS
7600.000	0.000	0.000	7524.995	28.520	0.000	28.198	0.000	10.467	0.000	0.000	29.018	27.685	128.018	MWD+IFR1+MS
7700.000	0.000	0.000	7624.995	28.862	0.000	28.539	0.000	10.636	0.000	0.000	29.358	28.029	127.966	MWD+IFR1+MS
7800.000	0.000	0.000	7724.995	29.205	0.000	28.881	0.000	10.808	0.000	0.000	29.699	28.374	127.914	MWD+IFR1+MS
7900.000	0.000	0.000	7824.995	29.549	0.000	29.223	0.000	10.982	0.000	0.000	30.039	28.718	127.863	MWD+IFR1+MS
8000.000	0.000	0.000	7924.995	29.892	0.000	29.565	0.000	11.160	0.000	0.000	30.380	29.064	127.813	MWD+IFR1+MS
8100.000	0.000	0.000	8024.995	30.236	0.000	29.908	0.000	11.340	0.000	0.000	30.722	29.409	127.763	MWD+IFR1+MS
8200.000	0.000	0.000	8124.995	30.580	0.000	30.251	0.000	11.524	0.000	0.000	31.064	29.755	127.715	MWD+IFR1+MS
8300.000	0.000	0.000	8224.995	30.925	0.000	30.595	0.000	11.710	0.000	0.000	31.406	30.101	127.667	MWD+IFR1+MS
8400.000	0.000	0.000	8324.995	31.270	0.000	30.939	0.000	11.900	0.000	0.000	31.748	30.447	127.620	MWD+IFR1+MS
8500.000	0.000	0.000	8424.995	31.615	0.000	31.283	0.000	12.092	0.000	0.000	32.091	30.794	127.574	MWD+IFR1+MS
8600.000	0.000	0.000	8524.995	31.961	0.000	31.627	0.000	12.287	0.000	0.000	32.435	31.141	127.529	MWD+IFR1+MS
8700.000	0.000	0.000	8624.995	32.306	0.000	31.972	0.000	12.485	0.000	0.000	32.778	31.488	127.484	MWD+IFR1+MS
8800.000	0.000	0.000	8724.995	32.653	0.000	32.317	0.000	12.686	0.000	0.000	33.122	31.835	127.440	MWD+IFR1+MS
8900.000	0.000	0.000	8824.995	32.999	0.000	32.662	0.000	12.891	0.000	0.000	33.466	32.183	127.397	MWD+IFR1+MS
9000.000	0.000	0.000	8924.995	33.345	0.000	33.008	0.000	13.098	0.000	0.000	33.811	32.531	127.354	MWD+IFR1+MS
9100.000	0.000	0.000	9024.995	33.692	0.000	33.354	0.000	13.308	0.000	0.000	34.156	32.879	127.312	MWD+IFR1+MS
9200.000	0.000	0.000	9124.995	34.039	0.000	33.700	0.000	13.521	0.000	0.000	34.501	33.227	127.271	MWD+IFR1+MS
9300.000	0.000	0.000	9224.995	34.387	0.000	34.046	0.000	13.738	0.000	0.000	34.846	33.576	127.231	MWD+IFR1+MS

9400.000	0.000	0.000	9324.995	34.734	0.000	34.393	0.000	13.957	0.000	0.000	35.192	33.925	127.191	MWD+IFR1+MS
9500.000	0.000	0.000	9424.995	35.082	0.000	34.740	0.000	14.179	0.000	0.000	35.538	34.274	127.151	MWD+IFR1+MS
9600.000	0.000	0.000	9524.995	35.430	0.000	35.087	0.000	14.405	0.000	0.000	35.884	34.623	127.112	MWD+IFR1+MS
9700.000	0.000	0.000	9624.995	35.778	0.000	35.435	0.000	14.633	0.000	0.000	36.230	34.972	127.074	MWD+IFR1+MS
9800.000	0.000	0.000	9724.995	36.127	0.000	35.782	0.000	14.865	0.000	0.000	36.577	35.322	127.036	MWD+IFR1+MS
9900.000	0.000	0.000	9824.995	36.475	0.000	36.130	0.000	15.100	0.000	0.000	36.924	35.671	126.999	MWD+IFR1+MS
10000.000	0.000	0.000	9924.995	36.824	0.000	36.478	0.000	15.337	0.000	0.000	37.271	36.021	126.963	MWD+IFR1+MS
10100.000	0.000	0.000	10024.995	37.173	0.000	36.826	0.000	15.578	0.000	0.000	37.618	36.371	126.927	MWD+IFR1+MS
10147.808	0.000	0.000	10072.803	37.338	0.000	36.991	0.000	15.694	0.000	0.000	37.781	36.539	126.887	MWD+IFR1+MS
10200.000	4.175	179.611	10124.948	37.231	0.000	37.169	-0.000	15.821	0.000	0.000	37.958	36.718	126.478	MWD+IFR1+MS
10300.000	12.175	179.611	10223.852	37.195	0.000	37.469	-0.000	16.095	0.000	0.000	38.742	37.157	115.715	MWD+IFR1+MS
10400.000	20.175	179.611	10319.815	37.070	0.000	37.750	-0.000	16.515	0.000	0.000	39.915	37.530	107.008	MWD+IFR1+MS
10500.000	28.175	179.611	10410.971	36.422	0.000	38.006	-0.000	17.141	0.000	0.000	40.979	37.820	103.376	MWD+IFR1+MS
10600.000	36.175	179.611	10495.544	35.331	0.000	38.236	-0.000	18.012	0.000	0.000	41.879	38.063	101.607	MWD+IFR1+MS
10700.000	44.175	179.611	10571.890	33.913	0.000	38.439	-0.000	19.136	0.000	0.000	42.598	38.270	100.707	MWD+IFR1+MS
10800.000	52.175	179.611	10638.521	32.312	0.000	38.616	-0.000	20.490	0.000	0.000	43.137	38.446	100.298	MWD+IFR1+MS
10900.000	60.175	179.611	10694.141	30.712	0.000	38.768	-0.000	22.030	0.000	0.000	43.508	38.592	100.202	MWD+IFR1+MS
11000.000	68.175	179.611	10737.667	29.332	0.000	38.894	-0.000	23.698	0.000	0.000	43.735	38.710	100.318	MWD+IFR1+MS
11100.000	76.175	179.611	10768.253	28.402	0.000	38.996	-0.000	25.433	0.000	0.000	43.849	38.802	100.567	MWD+IFR1+MS
11200.000	84.175	179.611	10785.302	28.129	0.000	39.072	-0.000	27.176	0.000	0.000	43.890	38.869	100.867	MWD+IFR1+MS
11272.808	90.000	179.611	10789.000	27.909	0.000	39.110	-0.000	27.909	0.000	0.000	43.897	38.901	101.044	MWD+IFR1+MS
11300.000	90.000	179.611	10789.000	27.968	0.000	39.120	-0.000	27.968	0.000	0.000	43.900	38.910	101.101	MWD+IFR1+MS
11400.000	90.000	179.611	10789.000	28.144	0.000	39.179	-0.000	28.144	0.000	0.000	43.908	38.961	101.356	MWD+IFR1+MS
11500.000	90.000	179.611	10789.000	28.344	0.000	39.259	-0.000	28.344	0.000	0.000	43.919	39.034	101.663	MWD+IFR1+MS
11600.000	90.000	179.611	10789.000	28.564	0.000	39.360	-0.000	28.564	0.000	0.000	43.931	39.125	102.023	MWD+IFR1+MS
11700.000	90.000	179.611	10789.000	28.805	0.000	39.479	-0.000	28.805	0.000	0.000	43.944	39.234	102.441	MWD+IFR1+MS
11800.000	90.000	179.611	10789.000	29.064	0.000	39.618	-0.000	29.064	0.000	0.000	43.960	39.361	102.925	MWD+IFR1+MS
11900.000	90.000	179.611	10789.000	29.342	0.000	39.776	-0.000	29.342	0.000	0.000	43.978	39.505	103.485	MWD+IFR1+MS
12000.000	90.000	179.611	10789.000	29.638	0.000	39.953	-0.000	29.638	0.000	0.000	43.998	39.667	104.132	MWD+IFR1+MS
12100.000	90.000	179.611	10789.000	29.952	0.000	40.148	-0.000	29.952	0.000	0.000	44.021	39.844	104.881	MWD+IFR1+MS
12200.000	90.000	179.611	10789.000	30.283	0.000	40.361	-0.000	30.283	0.000	0.000	44.048	40.037	105.751	MWD+IFR1+MS
12300.000	90.000	179.611	10789.000	30.630	0.000	40.593	-0.000	30.630	0.000	0.000	44.078	40.245	106.765	MWD+IFR1+MS
12400.000	90.000	179.611	10789.000	30.994	0.000	40.842	-0.000	30.994	0.000	0.000	44.113	40.466	107.953	MWD+IFR1+MS

12500.000	90.000	179.611	10789.000	31.372	0.000	41.109	-0.000	31.372	0.000	0.000	44.154	40.700	109.350	MWD+IFR1+MS
12600.000	90.000	179.611	10789.000	31.766	0.000	41.392	-0.000	31.766	0.000	0.000	44.202	40.944	111.002	MWD+IFR1+MS
12700.000	90.000	179.611	10789.000	32.174	0.000	41.692	-0.000	32.174	0.000	0.000	44.260	41.196	112.964	MWD+IFR1+MS
12800.000	90.000	179.611	10789.000	32.596	0.000	42.009	-0.000	32.596	0.000	0.000	44.328	41.454	115.300	MWD+IFR1+MS
12900.000	90.000	179.611	10789.000	33.031	0.000	42.341	-0.000	33.031	0.000	0.000	44.411	41.713	118.078	MWD+IFR1+MS
13000.000	90.000	179.611	10789.000	33.479	0.000	42.689	-0.000	33.479	0.000	0.000	44.513	41.970	121.358	MWD+IFR1+MS
13100.000	90.000	179.611	10789.000	33.939	0.000	43.053	-0.000	33.939	0.000	0.000	44.639	42.219	125.171	MWD+IFR1+MS
13200.000	90.000	179.611	10789.000	34.411	0.000	43.431	-0.000	34.411	0.000	0.000	44.795	42.453	129.479	MWD+IFR1+MS
13300.000	90.000	179.611	10789.000	34.894	0.000	43.823	-0.000	34.894	0.000	0.000	44.985	42.668	134.150	MWD+IFR1+MS
13400.000	90.000	179.611	10789.000	35.388	0.000	44.230	-0.000	35.388	0.000	0.000	45.215	42.858	-41.043	MWD+IFR1+MS
13500.000	90.000	179.611	10789.000	35.892	0.000	44.650	-0.000	35.892	0.000	0.000	45.485	43.022	-36.369	MWD+IFR1+MS
13600.000	90.000	179.611	10789.000	36.406	0.000	45.084	-0.000	36.406	0.000	0.000	45.794	43.161	-32.056	MWD+IFR1+MS
13700.000	90.000	179.611	10789.000	36.930	0.000	45.530	-0.000	36.930	0.000	0.000	46.139	43.277	-28.235	MWD+IFR1+MS
13800.000	90.000	179.611	10789.000	37.463	0.000	45.989	-0.000	37.463	0.000	0.000	46.516	43.374	-24.943	MWD+IFR1+MS
13900.000	90.000	179.611	10789.000	38.005	0.000	46.460	-0.000	38.005	0.000	0.000	46.921	43.457	-22.149	MWD+IFR1+MS
14000.000	90.000	179.611	10789.000	38.554	0.000	46.943	-0.000	38.554	0.000	0.000	47.350	43.527	-19.793	MWD+IFR1+MS
14100.000	90.000	179.611	10789.000	39.112	0.000	47.437	-0.000	39.112	0.000	0.000	47.799	43.589	-17.806	MWD+IFR1+MS
14200.000	90.000	179.611	10789.000	39.678	0.000	47.943	-0.000	39.678	0.000	0.000	48.268	43.644	-16.125	MWD+IFR1+MS
14300.000	90.000	179.611	10789.000	40.251	0.000	48.459	-0.000	40.251	0.000	0.000	48.753	43.693	-14.694	MWD+IFR1+MS
14400.000	90.000	179.611	10789.000	40.831	0.000	48.985	-0.000	40.831	0.000	0.000	49.253	43.739	-13.468	MWD+IFR1+MS
14500.000	90.000	179.611	10789.000	41.418	0.000	49.522	-0.000	41.418	0.000	0.000	49.767	43.781	-12.410	MWD+IFR1+MS
14600.000	90.000	179.611	10789.000	42.011	0.000	50.068	-0.000	42.011	0.000	0.000	50.294	43.820	-11.491	MWD+IFR1+MS
14700.000	90.000	179.611	10789.000	42.611	0.000	50.624	-0.000	42.611	0.000	0.000	50.832	43.858	-10.687	MWD+IFR1+MS
14800.000	90.000	179.611	10789.000	43.216	0.000	51.189	-0.000	43.216	0.000	0.000	51.382	43.894	-9.979	MWD+IFR1+MS
14900.000	90.000	179.611	10789.000	43.827	0.000	51.763	-0.000	43.827	0.000	0.000	51.943	43.929	-9.352	MWD+IFR1+MS
15000.000	90.000	179.611	10789.000	44.444	0.000	52.345	-0.000	44.444	0.000	0.000	52.513	43.963	-8.794	MWD+IFR1+MS
15100.000	90.000	179.611	10789.000	45.065	0.000	52.936	-0.000	45.065	0.000	0.000	53.093	43.996	-8.295	MWD+IFR1+MS
15200.000	90.000	179.611	10789.000	45.692	0.000	53.534	-0.000	45.692	0.000	0.000	53.682	44.029	-7.846	MWD+IFR1+MS
15300.000	90.000	179.611	10789.000	46.324	0.000	54.140	-0.000	46.324	0.000	0.000	54.280	44.061	-7.440	MWD+IFR1+MS
15400.000	90.000	179.611	10789.000	46.960	0.000	54.754	-0.000	46.960	0.000	0.000	54.886	44.094	-7.072	MWD+IFR1+MS
15500.000	90.000	179.611	10789.000	47.601	0.000	55.375	-0.000	47.601	0.000	0.000	55.500	44.126	-6.736	MWD+IFR1+MS
15600.000	90.000	179.611	10789.000	48.246	0.000	56.002	-0.000	48.246	0.000	0.000	56.121	44.158	-6.430	MWD+IFR1+MS
15700.000	90.000	179.611	10789.000	48.895	0.000	56.637	-0.000	48.895	0.000	0.000	56.750	44.190	-6.149	MWD+IFR1+MS

15800.000	90.000	179.611	10789.000	49.547	0.000	57.278	-0.000	49.547	0.000	0.000	57.385	44.222	-5.890	MWD+IFR1+MS
15900.000	90.000	179.611	10789.000	50.204	0.000	57.925	-0.000	50.204	0.000	0.000	58.028	44.254	-5.652	MWD+IFR1+MS
16000.000	90.000	179.611	10789.000	50.865	0.000	58.579	-0.000	50.865	0.000	0.000	58.676	44.286	-5.431	MWD+IFR1+MS
16100.000	90.000	179.611	10789.000	51.528	0.000	59.238	-0.000	51.528	0.000	0.000	59.331	44.319	-5.227	MWD+IFR1+MS
16200.000	90.000	179.611	10789.000	52.196	0.000	59.903	-0.000	52.196	0.000	0.000	59.992	44.352	-5.037	MWD+IFR1+MS
16300.000	90.000	179.611	10789.000	52.866	0.000	60.574	-0.000	52.866	0.000	0.000	60.659	44.385	-4.860	MWD+IFR1+MS
16400.000	90.000	179.611	10789.000	53.539	0.000	61.249	-0.000	53.539	0.000	0.000	61.332	44.418	-4.695	MWD+IFR1+MS
16500.000	90.000	179.611	10789.000	54.216	0.000	61.930	-0.000	54.216	0.000	0.000	62.009	44.452	-4.540	MWD+IFR1+MS
16600.000	90.000	179.611	10789.000	54.895	0.000	62.616	-0.000	54.895	0.000	0.000	62.692	44.486	-4.395	MWD+IFR1+MS
16700.000	90.000	179.611	10789.000	55.578	0.000	63.307	-0.000	55.578	0.000	0.000	63.380	44.520	-4.259	MWD+IFR1+MS
16800.000	90.000	179.611	10789.000	56.262	0.000	64.003	-0.000	56.262	0.000	0.000	64.073	44.555	-4.131	MWD+IFR1+MS
16900.000	90.000	179.611	10789.000	56.950	0.000	64.702	-0.000	56.950	0.000	0.000	64.770	44.590	-4.010	MWD+IFR1+MS
17000.000	90.000	179.611	10789.000	57.640	0.000	65.407	-0.000	57.640	0.000	0.000	65.472	44.626	-3.897	MWD+IFR1+MS
17100.000	90.000	179.611	10789.000	58.332	0.000	66.115	-0.000	58.332	0.000	0.000	66.179	44.662	-3.789	MWD+IFR1+MS
17200.000	90.000	179.611	10789.000	59.027	0.000	66.828	-0.000	59.027	0.000	0.000	66.889	44.698	-3.688	MWD+IFR1+MS
17300.000	90.000	179.611	10789.000	59.724	0.000	67.544	-0.000	59.724	0.000	0.000	67.604	44.735	-3.591	MWD+IFR1+MS
17400.000	90.000	179.611	10789.000	60.423	0.000	68.265	-0.000	60.423	0.000	0.000	68.322	44.772	-3.500	MWD+IFR1+MS
17500.000	90.000	179.611	10789.000	61.124	0.000	68.989	-0.000	61.124	0.000	0.000	69.045	44.809	-3.413	MWD+IFR1+MS
17600.000	90.000	179.611	10789.000	61.827	0.000	69.717	-0.000	61.827	0.000	0.000	69.771	44.847	-3.331	MWD+IFR1+MS
17700.000	90.000	179.611	10789.000	62.532	0.000	70.448	-0.000	62.532	0.000	0.000	70.500	44.886	-3.253	MWD+IFR1+MS
17800.000	90.000	179.611	10789.000	63.239	0.000	71.183	-0.000	63.239	0.000	0.000	71.233	44.925	-3.178	MWD+IFR1+MS
17900.000	90.000	179.611	10789.000	63.948	0.000	71.921	-0.000	63.948	0.000	0.000	71.970	44.964	-3.107	MWD+IFR1+MS
18000.000	90.000	179.611	10789.000	64.658	0.000	72.662	-0.000	64.658	0.000	0.000	72.710	45.004	-3.039	MWD+IFR1+MS
18100.000	90.000	179.611	10789.000	65.370	0.000	73.406	-0.000	65.370	0.000	0.000	73.452	45.044	-2.974	MWD+IFR1+MS
18200.000	90.000	179.611	10789.000	66.084	0.000	74.153	-0.000	66.084	0.000	0.000	74.198	45.085	-2.911	MWD+IFR1+MS
18300.000	90.000	179.611	10789.000	66.800	0.000	74.903	-0.000	66.800	0.000	0.000	74.947	45.126	-2.852	MWD+IFR1+MS
18400.000	90.000	179.611	10789.000	67.516	0.000	75.656	-0.000	67.516	0.000	0.000	75.699	45.168	-2.795	MWD+IFR1+MS
18500.000	90.000	179.611	10789.000	68.235	0.000	76.411	-0.000	68.235	0.000	0.000	76.453	45.210	-2.740	MWD+IFR1+MS
18600.000	90.000	179.611	10789.000	68.955	0.000	77.170	-0.000	68.955	0.000	0.000	77.210	45.252	-2.688	MWD+IFR1+MS
18700.000	90.000	179.611	10789.000	69.676	0.000	77.930	-0.000	69.676	0.000	0.000	77.970	45.295	-2.638	MWD+IFR1+MS
18800.000	90.000	179.611	10789.000	70.399	0.000	78.694	-0.000	70.399	0.000	0.000	78.733	45.339	-2.589	MWD+IFR1+MS
18900.000	90.000	179.611	10789.000	71.123	0.000	79.460	-0.000	71.123	0.000	0.000	79.497	45.383	-2.543	MWD+IFR1+MS
19000.000	90.000	179.611	10789.000	71.848	0.000	80.228	-0.000	71.848	0.000	0.000	80.265	45.427	-2.498	MWD+IFR1+MS

19100.000	90.000	179.611	10789.000	72.575	0.000	80.998	-0.000	72.575	0.000	0.000	81.034	45.472	-2.455	MWD+IFR1+MS
19200.000	90.000	179.611	10789.000	73.302	0.000	81.771	-0.000	73.302	0.000	0.000	81.806	45.517	-2.414	MWD+IFR1+MS
19300.000	90.000	179.611	10789.000	74.031	0.000	82.545	-0.000	74.031	0.000	0.000	82.580	45.563	-2.374	MWD+IFR1+MS
19400.000	90.000	179.611	10789.000	74.761	0.000	83.322	-0.000	74.761	0.000	0.000	83.356	45.609	-2.335	MWD+IFR1+MS
19500.000	90.000	179.611	10789.000	75.492	0.000	84.101	-0.000	75.492	0.000	0.000	84.134	45.656	-2.298	MWD+IFR1+MS
19600.000	90.000	179.611	10789.000	76.225	0.000	84.882	-0.000	76.225	0.000	0.000	84.914	45.703	-2.262	MWD+IFR1+MS
19700.000	90.000	179.611	10789.000	76.958	0.000	85.665	-0.000	76.958	0.000	0.000	85.697	45.751	-2.227	MWD+IFR1+MS
19800.000	90.000	179.611	10789.000	77.692	0.000	86.450	-0.000	77.692	0.000	0.000	86.481	45.799	-2.194	MWD+IFR1+MS
19900.000	90.000	179.611	10789.000	78.427	0.000	87.236	-0.000	78.427	0.000	0.000	87.267	45.848	-2.161	MWD+IFR1+MS
20000.000	90.000	179.611	10789.000	79.163	0.000	88.025	-0.000	79.163	0.000	0.000	88.054	45.897	-2.130	MWD+IFR1+MS
20100.000	90.000	179.611	10789.000	79.900	0.000	88.815	-0.000	79.900	0.000	0.000	88.844	45.947	-2.099	MWD+IFR1+MS
20200.000	90.000	179.611	10789.000	80.638	0.000	89.607	-0.000	80.638	0.000	0.000	89.635	45.997	-2.070	MWD+IFR1+MS
20300.000	90.000	179.611	10789.000	81.377	0.000	90.400	-0.000	81.377	0.000	0.000	90.428	46.047	-2.042	MWD+IFR1+MS
20400.000	90.000	179.611	10789.000	82.117	0.000	91.195	-0.000	82.117	0.000	0.000	91.222	46.098	-2.014	MWD+IFR1+MS
20500.000	90.000	179.611	10789.000	82.857	0.000	91.992	-0.000	82.857	0.000	0.000	92.018	46.150	-1.987	MWD+IFR1+MS
20600.000	90.000	179.611	10789.000	83.599	0.000	92.790	-0.000	83.599	0.000	0.000	92.816	46.201	-1.961	MWD+IFR1+MS
20700.000	90.000	179.611	10789.000	84.341	0.000	93.589	-0.000	84.341	0.000	0.000	93.615	46.254	-1.936	MWD+IFR1+MS
20800.000	90.000	179.611	10789.000	85.084	0.000	94.390	-0.000	85.084	0.000	0.000	94.416	46.307	-1.912	MWD+IFR1+MS
20900.000	90.000	179.611	10789.000	85.827	0.000	95.193	-0.000	85.827	0.000	0.000	95.218	46.360	-1.888	MWD+IFR1+MS
21000.000	90.000	179.611	10789.000	86.572	0.000	95.996	-0.000	86.572	0.000	0.000	96.021	46.414	-1.865	MWD+IFR1+MS
21100.000	90.000	179.611	10789.000	87.317	0.000	96.802	-0.000	87.317	0.000	0.000	96.826	46.468	-1.842	MWD+IFR1+MS
21200.000	90.000	179.611	10789.000	88.063	0.000	97.608	-0.000	88.063	0.000	0.000	97.632	46.522	-1.820	MWD+IFR1+MS
21300.000	90.000	179.611	10789.000	88.809	0.000	98.416	-0.000	88.809	0.000	0.000	98.439	46.577	-1.799	MWD+IFR1+MS
21400.000	90.000	179.611	10789.000	89.556	0.000	99.225	-0.000	89.556	0.000	0.000	99.247	46.633	-1.779	MWD+IFR1+MS
21500.000	90.000	179.611	10789.000	90.304	0.000	100.035	-0.000	90.304	0.000	0.000	100.057	46.689	-1.759	MWD+IFR1+MS
21600.000	90.000	179.611	10789.000	91.052	0.000	100.846	-0.000	91.052	0.000	0.000	100.868	46.746	-1.739	MWD+IFR1+MS
21637.787	90.000	179.611	10789.000	91.335	0.000	101.152	-0.000	91.335	0.000	0.000	101.174	46.767	-1.732	MWD+IFR1+MS
21687.773	90.000	179.611	10789.000	91.708	0.000	101.557	-0.000	91.708	0.000	0.000	101.578	46.795	-1.722	MWD+IFR1+MS

Plan Targets

Poker Lake Unit 18 TWR 310H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 3	11279.81	440387.05	661067.37	7264.00	RECTANGLE

LTP 3	21644.79	430022.31	661137.68	7264.00	RECTANGLE
BHL 3	21694.77	429972.31	661138.01	7264.00	RECTANGLE

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ALL DIMENSIONS APPROXIMATE			
CACTUS WELLHEAD LLC			
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			
XTO ENERGY INC DELAWARE BASIN		DRAWN VJK 31MAR22	
DRAWING NO. HBE0000479		APPRV	

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 281564

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 281564
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
dmccclure	NSL not required due to change of HSU approved in Application ID: 411058	5/8/2025
dmccclure	If cement is not circulated to surface during cementing operations, a Cement Bond Log (CBL) is required.	5/8/2025