

Well Name: POKER LAKE UNIT 18-19 BD	Well Location: T25S / R30E / SEC 18 / NWNW /	County or Parish/State:
Well Number: 106H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMLC0065705	Unit or CA Name:	Unit or CA Number: NMNM07016X
US Well Number: 3001553211	Well Status: Approved Application for Permit to Drill	Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2716471

Type of Submission: Notice of Intent

Date Sundry Submitted: 02/19/2023

Date proposed operation will begin: 03/03/2023

Type of Action: APD Change

Time Sundry Submitted: 04:23

Procedure Description: **Surface Location Move, Bottomhole 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 SHL fr/265'FNL & 1845'FEL to 190'FNL & 2335'FEL, Section 18-T25S-R30E Total SHL Move: 75'Noth & 490'West SHL change requested to optimize well pad layout, drilling efficiencies, and for safety purposes. Change BHL fr/20'FSL & 746'FEL to 50'FSL & 1080'FEL, Section 19-T25S-R30E Change FTP fr/330'FNL & 746'FEL to 330'FNL & 1080'FEL Change LTP fr/100'FSL & 746'FEL to 100'FSL & 1080'FEL

NOI Attachments

Procedure Description

Poker_Lake_Unit_18_19_BD_106H_Attachments_20230219162245.pdf

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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: FEB 19, 2023 04:21 PM

Name: XTO PERMIAN OPERATING LLC

Title: Lead Regulatory Coordinator

Street Address: 6401 HOLIDAY HILL ROAD BLDG 5

City: MIDLAND**State:** TX

Phone: (970) 769-6048

Email address: JESSICA.DOOLING@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

City:**State:****Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CODY LAYTON

BLM POC Title: Assistant Field Manager Lands & Minerals

BLM POC Phone: 5752345959

BLM POC Email Address: clayton@blm.gov

Disposition: Approved

Disposition Date: 03/13/2023

Signature: Cody R. Layton

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 30-015-53211	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp
⁴ Property Code	⁵ Property Name POKER LAKE UNIT 18-19 BD	⁶ Well Number 106H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC	⁹ Elevation 3,180'

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
B	18	25 S	30 E		190	NORTH	2,335	EAST	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
P	19	25 S	30 E		50	SOUTH	1,080	EAST	EDDY

¹² Dedicated Acres 640	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶

COORDINATE TABLE

SHL (NAD 83 NME)	LTP (NAD 83 NME)
Y = 413,794.6 N	Y = 403,460.7 N
X = 669,387.0 E	X = 670,691.3 E
LAT. = 32.136924 °N	LAT. = 32.108504 °N
LONG. = 103.919640 °W	LONG. = 103.915556 °W

FTP (NAD 83 NME)	BHL (NAD 83 NME)
Y = 413,659.2 N	Y = 403,410.7 N
X = 670,642.8 E	X = 670,691.5 E
LAT. = 32.136539 °N	LAT. = 32.108366 °N
LONG. = 103.915585 °W	LONG. = 103.915556 °W

CORNER COORDINATES (NAD 83 NME)

A - Y	A - X	B - Y	B - X	C - Y	C - X	D - Y	D - X	E - Y	E - X	F - Y	F - X	G - Y	G - X	H - Y	H - X	I - Y	I - X	J - Y	J - X
413,988.3 N	670,384.1 E	411,326.4 N	670,394.0 E	408,674.0 N	670,413.3 E	406,017.0 N	670,425.2 E	403,359.1 N	670,436.6 E	413,993.2 N	671,721.0 E	411,337.4 N	671,735.3 E	408,681.5 N	671,749.3 E	406,024.9 N	671,761.0 E	403,367.5 N	671,771.7 E

CORNER COORDINATES (NAD 27 NME)

A - Y	A - X	B - Y	B - X	C - Y	C - X	D - Y	D - X	E - Y	E - X	F - Y	F - X	G - Y	G - X	H - Y	H - X	I - Y	I - X	J - Y	J - X
413,929.7 N	629,199.6 E	411,267.9 N	629,209.4 E	408,615.6 N	629,228.6 E	405,958.6 N	629,240.5 E	403,300.7 N	629,251.8 E	413,934.6 N	630,536.5 E	411,278.8 N	630,550.7 E	408,623.1 N	630,564.7 E	405,966.5 N	630,576.3 E	403,309.1 N	630,586.9 E

SHL (NAD 27 NME)	LTP (NAD 27 NME)
Y = 413,736.0 N	Y = 403,402.3 N
X = 628,202.5 E	X = 629,506.5 E
LAT. = 32.136799 °N	LAT. = 32.108379 °N
LONG. = 103.919155 °W	LONG. = 103.915072 °W

FTP (NAD 27 NME)	BHL (NAD 27 NME)
Y = 413,600.6 N	Y = 403,352.4 N
X = 629,458.3 E	X = 629,506.7 E
LAT. = 32.136414 °N	LAT. = 32.108241 °N
LONG. = 103.915100 °W	LONG. = 103.915072 °W

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 2/18/2023
Signature Date

Jessica Dooling
Printed Name

jessica.dooling@exxonmobil.com
E-mail Address

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

01/03/2023
Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP 23786
Certificate Number

AR/AI 618.013003.32-01

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

XTO Energy Inc.
PLU 18-19 Brushy Draw 106H
Projected TD: 22539' MD / 11674' TVD
SHL: 190' FNL & 2335' FEL , Section 18, T25S, R30E
BHL: 50' FSL & 1080' FEL , Section 19, T25S, 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	770'	Water
Top of Salt	991'	Water
Base of Salt	3345'	Water
Delaware	3552'	Water
Brushy Canyon	6024'	Water/Oil/Gas
Bone Spring	7313'	Water
1st Bone Spring Ss	8276'	Water/Oil/Gas
2nd Bone Spring Ss	9100'	Water/Oil/Gas
3rd Bone Spring Ss	10166'	Water/Oil/Gas
Wolfcamp	10572'	Water/Oil/Gas
Wolfcamp X	10591'	Water/Oil/Gas
Wolfcamp Y	10666'	Water/Oil/Gas
Wolfcamp A	10699'	Water/Oil/Gas
Wolfcamp B	11086'	Water/Oil/Gas
Wolfcamp D	11537'	Water/Oil/Gas
Wolfcamp E	11584'	Water/Oil/Gas
Target/Land Curve	11674'	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 @ 870' (121' 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 10966' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 22539 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 10666 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 870'	9.625	40	J-55	BTC	New	1.27	6.53	18.10
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	1.78	2.65	1.71
8.75	4000' – 10966'	7.625	29.7	HC L-80	Flush Joint	New	1.29	1.83	1.96
6.75	0' – 10866'	5.5	23	RY P-110	Semi-Premium	New	1.21	1.98	1.83
6.75	10866' - 22539'	5.5	23	RY P-110	Semi-Flush	New	1.21	1.84	2.00

- 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 +/- 870'

Lead: 190 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 +/- 10966'

1st Stage

Optional Lead: 320 sxs Class C (mixed at 10.5 ppg, 2.77 ft³/sx, 15.59 gal/sx water)

TOC: Surface

Tail: 450 sxs Class C (mixed at 14.8 ppg, 1.35 ft³/sx, 6.39 gal/sx water)

TOC: Brushy Canyon @ 6024

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: 680 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 (6024') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If cement is not visually confirmed to circulate to surface, the final cement top after the second stage job will be verified by Echo-meter. If necessary, a top out consisting of 1,500 sack of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. If cement is still unable to circulate to surface, another Echo-meter run will be performed for cement top verification.

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

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

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

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

Production Casing: 5.5, 23 New Semi-Flush, RY P-110 casing to be set at +/- 22539'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft³/sx, 15.00 gal/sx water) Top of Cement: 10666 feet

Tail: 810 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft³/sx, 8.38 gal/sx water) Top of Cement: 11166 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 10M Hydril and a 13-5/8" minimum 10M Double Ram BOP. MASP should not exceed 5323 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, 10M bradenhead and flange, the BOP test will be limited to 10000 psi. When nipping up on the 7.625, the BOP will be tested to a minimum of 10000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 10M 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' - 870'	12.25	FW/Native	8.7-9.2	35-40	NC
870' - 10966'	8.75	FW / Cut Brine / Direct Emulsion	9.7-10.2	30-32	NC
10966' - 22539'	6.75	OBM	13-13.5	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 7892 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.

Delaware Basin Asset (Plans)

Eddy County

PLU 18-19 Brushy Draw

PLU 18-19 Brushy Draw 106H

PLU 18-19 Brushy Draw 106H

Plan: PLU 18-19 Brushy Draw 106H

Standard Planning Report

30 January, 2023

XTO Energy

Planning Report

Database:	LMRKPROD3	Local Co-ordinate Reference:	Well PLU 18-19 Brushy Draw 106H
Company:	Delaware Basin Asset (Plans)	TVD Reference:	RKB(33') @ 3213.0usft
Project:	Eddy County	MD Reference:	RKB(33') @ 3213.0usft
Site:	PLU 18-19 Brushy Draw	North Reference:	Grid
Well:	PLU 18-19 Brushy Draw 106H	Survey Calculation Method:	Minimum Curvature
Wellbore:	PLU 18-19 Brushy Draw 106H		
Design:	PLU 18-19 Brushy Draw 106H		

Project	Eddy County, New Mexico, Well Planning for all projects in Eddy County, NM		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	PLU 18-19 Brushy Draw					
Site Position:		Northing:	413,736.00 usft	Latitude:	32° 8' 12.477 N	
From:	Map	Easting:	628,202.50 usft	Longitude:	103° 55' 8.959 W	
Position Uncertainty:		3.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.22 °

Well	PLU 18-19 Brushy Draw 106H					
Well Position	+N/-S	0.0 usft	Northing:	413,736.00 usft	Latitude:	32° 8' 12.477 N
	+E/-W	0.0 usft	Easting:	628,202.50 usft	Longitude:	103° 55' 8.959 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,180.0 usft

Wellbore	PLU 18-19 Brushy Draw 106H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	1/30/2023	6.51	59.72	47,238.76700729

Design	PLU 18-19 Brushy Draw 106H			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	179.73

Plan Survey Tool Program	Date	1/30/2023		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	22,539.3	PLU 18-19 Brushy Draw 106H (P	XOMR2_OWSG MWD+IFR1+ OWSG MWD + IFR1 + Multi-SI

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,893.1	17.86	65.12	1,878.7	58.1	125.3	2.00	2.00	0.00	65.12	
5,853.6	17.86	65.12	5,648.3	569.2	1,227.4	0.00	0.00	0.00	0.00	
6,032.2	0.00	0.00	5,824.0	580.8	1,252.4	10.00	-10.00	0.00	180.00	
11,166.0	0.00	0.00	10,957.8	580.8	1,252.4	0.00	0.00	0.00	0.00	
12,291.0	90.00	179.73	11,674.0	-135.4	1,255.8	8.00	8.00	0.00	0.00	PLU 18-19 Brushy Dr.
22,489.4	90.00	179.73	11,674.0	-10,333.7	1,304.0	0.00	0.00	0.00	0.00	PLU 18-19 Brushy Dr.
22,539.3	90.00	179.73	11,674.0	-10,383.6	1,304.2	0.00	0.00	0.00	0.00	PLU 18-19 Brushy Dr.

XTO Energy

Planning Report

Database:	LMRKPROD3	Local Co-ordinate Reference:	Well PLU 18-19 Brushy Draw 106H
Company:	Delaware Basin Asset (Plans)	TVD Reference:	RKB(33') @ 3213.0usft
Project:	Eddy County	MD Reference:	RKB(33') @ 3213.0usft
Site:	PLU 18-19 Brushy Draw	North Reference:	Grid
Well:	PLU 18-19 Brushy Draw 106H	Survey Calculation Method:	Minimum Curvature
Wellbore:	PLU 18-19 Brushy Draw 106H		
Design:	PLU 18-19 Brushy Draw 106H		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
1,100.0	2.00	65.12	1,100.0	0.7	1.6	-0.7	2.00	2.00	0.00
1,200.0	4.00	65.12	1,199.8	2.9	6.3	-2.9	2.00	2.00	0.00
1,300.0	6.00	65.12	1,299.5	6.6	14.2	-6.5	2.00	2.00	0.00
1,400.0	8.00	65.12	1,398.7	11.7	25.3	-11.6	2.00	2.00	0.00
1,500.0	10.00	65.12	1,497.5	18.3	39.5	-18.1	2.00	2.00	0.00
1,600.0	12.00	65.12	1,595.6	26.3	56.8	-26.1	2.00	2.00	0.00
1,700.0	14.00	65.12	1,693.1	35.8	77.2	-35.4	2.00	2.00	0.00
1,800.0	16.00	65.12	1,789.6	46.7	100.7	-46.2	2.00	2.00	0.00
1,893.1	17.86	65.12	1,878.7	58.1	125.3	-57.5	2.00	2.00	0.00
Start 3960.4 hold at 1893.1 MD									
1,900.0	17.86	65.12	1,885.3	59.0	127.2	-58.4	0.00	0.00	0.00
2,000.0	17.86	65.12	1,980.5	71.9	155.0	-71.2	0.00	0.00	0.00
2,100.0	17.86	65.12	2,075.6	84.8	182.8	-83.9	0.00	0.00	0.00
2,200.0	17.86	65.12	2,170.8	97.7	210.7	-96.7	0.00	0.00	0.00
2,300.0	17.86	65.12	2,266.0	110.6	238.5	-109.5	0.00	0.00	0.00
2,400.0	17.86	65.12	2,361.2	123.5	266.3	-122.3	0.00	0.00	0.00
2,500.0	17.86	65.12	2,456.3	136.4	294.2	-135.0	0.00	0.00	0.00
2,600.0	17.86	65.12	2,551.5	149.3	322.0	-147.8	0.00	0.00	0.00
2,700.0	17.86	65.12	2,646.7	162.2	349.8	-160.6	0.00	0.00	0.00
2,800.0	17.86	65.12	2,741.9	175.1	377.6	-173.3	0.00	0.00	0.00
2,900.0	17.86	65.12	2,837.1	188.0	405.5	-186.1	0.00	0.00	0.00
3,000.0	17.86	65.12	2,932.2	200.9	433.3	-198.9	0.00	0.00	0.00
3,100.0	17.86	65.12	3,027.4	213.8	461.1	-211.7	0.00	0.00	0.00
3,200.0	17.86	65.12	3,122.6	226.7	488.9	-224.4	0.00	0.00	0.00
3,300.0	17.86	65.12	3,217.8	239.6	516.8	-237.2	0.00	0.00	0.00
3,400.0	17.86	65.12	3,313.0	252.6	544.6	-250.0	0.00	0.00	0.00
3,500.0	17.86	65.12	3,408.1	265.5	572.4	-262.8	0.00	0.00	0.00
3,600.0	17.86	65.12	3,503.3	278.4	600.3	-275.5	0.00	0.00	0.00
3,700.0	17.86	65.12	3,598.5	291.3	628.1	-288.3	0.00	0.00	0.00
3,800.0	17.86	65.12	3,693.7	304.2	655.9	-301.1	0.00	0.00	0.00
3,900.0	17.86	65.12	3,788.9	317.1	683.7	-313.8	0.00	0.00	0.00
4,000.0	17.86	65.12	3,884.0	330.0	711.6	-326.6	0.00	0.00	0.00
4,100.0	17.86	65.12	3,979.2	342.9	739.4	-339.4	0.00	0.00	0.00
4,200.0	17.86	65.12	4,074.4	355.8	767.2	-352.2	0.00	0.00	0.00
4,300.0	17.86	65.12	4,169.6	368.7	795.0	-364.9	0.00	0.00	0.00
4,400.0	17.86	65.12	4,264.8	381.6	822.9	-377.7	0.00	0.00	0.00
4,500.0	17.86	65.12	4,359.9	394.5	850.7	-390.5	0.00	0.00	0.00
4,600.0	17.86	65.12	4,455.1	407.4	878.5	-403.3	0.00	0.00	0.00
4,700.0	17.86	65.12	4,550.3	420.3	906.4	-416.0	0.00	0.00	0.00
4,800.0	17.86	65.12	4,645.5	433.2	934.2	-428.8	0.00	0.00	0.00
4,900.0	17.86	65.12	4,740.7	446.1	962.0	-441.6	0.00	0.00	0.00
5,000.0	17.86	65.12	4,835.8	459.0	989.8	-454.4	0.00	0.00	0.00
5,100.0	17.86	65.12	4,931.0	471.9	1,017.7	-467.1	0.00	0.00	0.00
5,200.0	17.86	65.12	5,026.2	484.8	1,045.5	-479.9	0.00	0.00	0.00
5,300.0	17.86	65.12	5,121.4	497.7	1,073.3	-492.7	0.00	0.00	0.00
5,400.0	17.86	65.12	5,216.6	510.6	1,101.1	-505.4	0.00	0.00	0.00
5,500.0	17.86	65.12	5,311.7	523.5	1,129.0	-518.2	0.00	0.00	0.00
5,600.0	17.86	65.12	5,406.9	536.4	1,156.8	-531.0	0.00	0.00	0.00
5,700.0	17.86	65.12	5,502.1	549.4	1,184.6	-543.8	0.00	0.00	0.00
5,800.0	17.86	65.12	5,597.3	562.3	1,212.5	-556.5	0.00	0.00	0.00

XTO Energy

Planning Report

Database:	LMRKPROD3	Local Co-ordinate Reference:	Well PLU 18-19 Brushy Draw 106H
Company:	Delaware Basin Asset (Plans)	TVD Reference:	RKB(33') @ 3213.0usft
Project:	Eddy County	MD Reference:	RKB(33') @ 3213.0usft
Site:	PLU 18-19 Brushy Draw	North Reference:	Grid
Well:	PLU 18-19 Brushy Draw 106H	Survey Calculation Method:	Minimum Curvature
Wellbore:	PLU 18-19 Brushy Draw 106H		
Design:	PLU 18-19 Brushy Draw 106H		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,853.6	17.86	65.12	5,648.3	569.2	1,227.4	-563.4	0.00	0.00	0.00
Start Drop -10.00									
5,900.0	13.22	65.12	5,693.0	574.4	1,238.6	-568.6	10.00	-10.00	0.00
6,000.0	3.22	65.12	5,791.8	580.4	1,251.6	-574.5	10.00	-10.00	0.00
6,032.2	0.00	0.00	5,824.0	580.8	1,252.4	-574.9	10.00	-10.00	0.00
Start 5133.8 hold at 6032.2 MD									
11,166.0	0.00	0.00	10,957.8	580.8	1,252.4	-574.9	0.00	0.00	0.00
Start Build 8.00									
11,200.0	2.72	179.73	10,991.8	580.0	1,252.4	-574.1	8.00	8.00	0.00
11,300.0	10.72	179.73	11,091.0	568.3	1,252.5	-562.4	8.00	8.00	0.00
11,400.0	18.72	179.73	11,187.7	542.9	1,252.6	-537.0	8.00	8.00	0.00
11,500.0	26.72	179.73	11,279.8	504.3	1,252.8	-498.4	8.00	8.00	0.00
11,600.0	34.72	179.73	11,365.7	453.3	1,253.0	-447.4	8.00	8.00	0.00
11,700.0	42.72	179.73	11,443.7	390.8	1,253.3	-384.9	8.00	8.00	0.00
11,800.0	50.72	179.73	11,512.2	318.0	1,253.7	-312.1	8.00	8.00	0.00
11,900.0	58.72	179.73	11,569.9	236.5	1,254.0	-230.5	8.00	8.00	0.00
12,000.0	66.72	179.73	11,615.7	147.7	1,254.5	-141.7	8.00	8.00	0.00
12,100.0	74.72	179.73	11,648.7	53.3	1,254.9	-47.4	8.00	8.00	0.00
12,200.0	82.72	179.73	11,668.2	-44.7	1,255.4	50.6	8.00	8.00	0.00
12,291.0	90.00	179.73	11,674.0	-135.4	1,255.8	141.3	8.00	8.00	0.00
Start 10198.4 hold at 12291.0 MD									
12,300.0	90.00	179.73	11,674.0	-144.4	1,255.8	150.3	0.00	0.00	0.00
12,400.0	90.00	179.73	11,674.0	-244.4	1,256.3	250.3	0.00	0.00	0.00
12,500.0	90.00	179.73	11,674.0	-344.4	1,256.8	350.3	0.00	0.00	0.00
12,600.0	90.00	179.73	11,674.0	-444.4	1,257.3	450.3	0.00	0.00	0.00
12,700.0	90.00	179.73	11,674.0	-544.4	1,257.7	550.3	0.00	0.00	0.00
12,800.0	90.00	179.73	11,674.0	-644.4	1,258.2	650.3	0.00	0.00	0.00
12,900.0	90.00	179.73	11,674.0	-744.4	1,258.7	750.3	0.00	0.00	0.00
13,000.0	90.00	179.73	11,674.0	-844.4	1,259.2	850.3	0.00	0.00	0.00
13,100.0	90.00	179.73	11,674.0	-944.4	1,259.6	950.3	0.00	0.00	0.00
13,200.0	90.00	179.73	11,674.0	-1,044.4	1,260.1	1,050.3	0.00	0.00	0.00
13,300.0	90.00	179.73	11,674.0	-1,144.4	1,260.6	1,150.3	0.00	0.00	0.00
13,400.0	90.00	179.73	11,674.0	-1,244.4	1,261.0	1,250.3	0.00	0.00	0.00
13,500.0	90.00	179.73	11,674.0	-1,344.4	1,261.5	1,350.3	0.00	0.00	0.00
13,600.0	90.00	179.73	11,674.0	-1,444.4	1,262.0	1,450.3	0.00	0.00	0.00
13,700.0	90.00	179.73	11,674.0	-1,544.4	1,262.5	1,550.3	0.00	0.00	0.00
13,800.0	90.00	179.73	11,674.0	-1,644.4	1,262.9	1,650.3	0.00	0.00	0.00
13,900.0	90.00	179.73	11,674.0	-1,744.4	1,263.4	1,750.3	0.00	0.00	0.00
14,000.0	90.00	179.73	11,674.0	-1,844.4	1,263.9	1,850.3	0.00	0.00	0.00
14,100.0	90.00	179.73	11,674.0	-1,944.4	1,264.3	1,950.3	0.00	0.00	0.00
14,200.0	90.00	179.73	11,674.0	-2,044.4	1,264.8	2,050.3	0.00	0.00	0.00
14,300.0	90.00	179.73	11,674.0	-2,144.4	1,265.3	2,150.3	0.00	0.00	0.00
14,400.0	90.00	179.73	11,674.0	-2,244.4	1,265.8	2,250.3	0.00	0.00	0.00
14,500.0	90.00	179.73	11,674.0	-2,344.4	1,266.2	2,350.3	0.00	0.00	0.00
14,600.0	90.00	179.73	11,674.0	-2,444.4	1,266.7	2,450.3	0.00	0.00	0.00
14,700.0	90.00	179.73	11,674.0	-2,544.4	1,267.2	2,550.3	0.00	0.00	0.00
14,800.0	90.00	179.73	11,674.0	-2,644.4	1,267.7	2,650.3	0.00	0.00	0.00
14,900.0	90.00	179.73	11,674.0	-2,744.4	1,268.1	2,750.3	0.00	0.00	0.00
15,000.0	90.00	179.73	11,674.0	-2,844.4	1,268.6	2,850.3	0.00	0.00	0.00
15,100.0	90.00	179.73	11,674.0	-2,944.4	1,269.1	2,950.3	0.00	0.00	0.00
15,200.0	90.00	179.73	11,674.0	-3,044.4	1,269.5	3,050.3	0.00	0.00	0.00
15,300.0	90.00	179.73	11,674.0	-3,144.4	1,270.0	3,150.3	0.00	0.00	0.00
15,400.0	90.00	179.73	11,674.0	-3,244.4	1,270.5	3,250.3	0.00	0.00	0.00

XTO Energy

Planning Report

Database:	LMRKPROD3	Local Co-ordinate Reference:	Well PLU 18-19 Brushy Draw 106H
Company:	Delaware Basin Asset (Plans)	TVD Reference:	RKB(33') @ 3213.0usft
Project:	Eddy County	MD Reference:	RKB(33') @ 3213.0usft
Site:	PLU 18-19 Brushy Draw	North Reference:	Grid
Well:	PLU 18-19 Brushy Draw 106H	Survey Calculation Method:	Minimum Curvature
Wellbore:	PLU 18-19 Brushy Draw 106H		
Design:	PLU 18-19 Brushy Draw 106H		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,500.0	90.00	179.73	11,674.0	-3,344.4	1,271.0	3,350.3	0.00	0.00	0.00
15,600.0	90.00	179.73	11,674.0	-3,444.4	1,271.4	3,450.3	0.00	0.00	0.00
15,700.0	90.00	179.73	11,674.0	-3,544.4	1,271.9	3,550.3	0.00	0.00	0.00
15,800.0	90.00	179.73	11,674.0	-3,644.4	1,272.4	3,650.3	0.00	0.00	0.00
15,900.0	90.00	179.73	11,674.0	-3,744.4	1,272.9	3,750.3	0.00	0.00	0.00
16,000.0	90.00	179.73	11,674.0	-3,844.4	1,273.3	3,850.3	0.00	0.00	0.00
16,100.0	90.00	179.73	11,674.0	-3,944.4	1,273.8	3,950.3	0.00	0.00	0.00
16,200.0	90.00	179.73	11,674.0	-4,044.4	1,274.3	4,050.3	0.00	0.00	0.00
16,300.0	90.00	179.73	11,674.0	-4,144.4	1,274.7	4,150.3	0.00	0.00	0.00
16,400.0	90.00	179.73	11,674.0	-4,244.4	1,275.2	4,250.3	0.00	0.00	0.00
16,500.0	90.00	179.73	11,674.0	-4,344.4	1,275.7	4,350.3	0.00	0.00	0.00
16,600.0	90.00	179.73	11,674.0	-4,444.4	1,276.2	4,450.3	0.00	0.00	0.00
16,700.0	90.00	179.73	11,674.0	-4,544.4	1,276.6	4,550.3	0.00	0.00	0.00
16,800.0	90.00	179.73	11,674.0	-4,644.4	1,277.1	4,650.3	0.00	0.00	0.00
16,900.0	90.00	179.73	11,674.0	-4,744.4	1,277.6	4,750.3	0.00	0.00	0.00
17,000.0	90.00	179.73	11,674.0	-4,844.4	1,278.1	4,850.3	0.00	0.00	0.00
17,100.0	90.00	179.73	11,674.0	-4,944.4	1,278.5	4,950.3	0.00	0.00	0.00
17,200.0	90.00	179.73	11,674.0	-5,044.3	1,279.0	5,050.3	0.00	0.00	0.00
17,300.0	90.00	179.73	11,674.0	-5,144.3	1,279.5	5,150.3	0.00	0.00	0.00
17,400.0	90.00	179.73	11,674.0	-5,244.3	1,279.9	5,250.3	0.00	0.00	0.00
17,500.0	90.00	179.73	11,674.0	-5,344.3	1,280.4	5,350.3	0.00	0.00	0.00
17,600.0	90.00	179.73	11,674.0	-5,444.3	1,280.9	5,450.3	0.00	0.00	0.00
17,700.0	90.00	179.73	11,674.0	-5,544.3	1,281.4	5,550.3	0.00	0.00	0.00
17,800.0	90.00	179.73	11,674.0	-5,644.3	1,281.8	5,650.3	0.00	0.00	0.00
17,900.0	90.00	179.73	11,674.0	-5,744.3	1,282.3	5,750.3	0.00	0.00	0.00
18,000.0	90.00	179.73	11,674.0	-5,844.3	1,282.8	5,850.3	0.00	0.00	0.00
18,100.0	90.00	179.73	11,674.0	-5,944.3	1,283.3	5,950.3	0.00	0.00	0.00
18,200.0	90.00	179.73	11,674.0	-6,044.3	1,283.7	6,050.3	0.00	0.00	0.00
18,300.0	90.00	179.73	11,674.0	-6,144.3	1,284.2	6,150.3	0.00	0.00	0.00
18,400.0	90.00	179.73	11,674.0	-6,244.3	1,284.7	6,250.3	0.00	0.00	0.00
18,500.0	90.00	179.73	11,674.0	-6,344.3	1,285.1	6,350.3	0.00	0.00	0.00
18,600.0	90.00	179.73	11,674.0	-6,444.3	1,285.6	6,450.3	0.00	0.00	0.00
18,700.0	90.00	179.73	11,674.0	-6,544.3	1,286.1	6,550.3	0.00	0.00	0.00
18,800.0	90.00	179.73	11,674.0	-6,644.3	1,286.6	6,650.3	0.00	0.00	0.00
18,900.0	90.00	179.73	11,674.0	-6,744.3	1,287.0	6,750.3	0.00	0.00	0.00
19,000.0	90.00	179.73	11,674.0	-6,844.3	1,287.5	6,850.3	0.00	0.00	0.00
19,100.0	90.00	179.73	11,674.0	-6,944.3	1,288.0	6,950.3	0.00	0.00	0.00
19,200.0	90.00	179.73	11,674.0	-7,044.3	1,288.5	7,050.3	0.00	0.00	0.00
19,300.0	90.00	179.73	11,674.0	-7,144.3	1,288.9	7,150.3	0.00	0.00	0.00
19,400.0	90.00	179.73	11,674.0	-7,244.3	1,289.4	7,250.3	0.00	0.00	0.00
19,500.0	90.00	179.73	11,674.0	-7,344.3	1,289.9	7,350.3	0.00	0.00	0.00
19,600.0	90.00	179.73	11,674.0	-7,444.3	1,290.3	7,450.3	0.00	0.00	0.00
19,700.0	90.00	179.73	11,674.0	-7,544.3	1,290.8	7,550.3	0.00	0.00	0.00
19,800.0	90.00	179.73	11,674.0	-7,644.3	1,291.3	7,650.3	0.00	0.00	0.00
19,900.0	90.00	179.73	11,674.0	-7,744.3	1,291.8	7,750.3	0.00	0.00	0.00
20,000.0	90.00	179.73	11,674.0	-7,844.3	1,292.2	7,850.3	0.00	0.00	0.00
20,100.0	90.00	179.73	11,674.0	-7,944.3	1,292.7	7,950.3	0.00	0.00	0.00
20,200.0	90.00	179.73	11,674.0	-8,044.3	1,293.2	8,050.3	0.00	0.00	0.00
20,300.0	90.00	179.73	11,674.0	-8,144.3	1,293.7	8,150.3	0.00	0.00	0.00
20,400.0	90.00	179.73	11,674.0	-8,244.3	1,294.1	8,250.3	0.00	0.00	0.00
20,500.0	90.00	179.73	11,674.0	-8,344.3	1,294.6	8,350.3	0.00	0.00	0.00
20,600.0	90.00	179.73	11,674.0	-8,444.3	1,295.1	8,450.3	0.00	0.00	0.00
20,700.0	90.00	179.73	11,674.0	-8,544.3	1,295.5	8,550.3	0.00	0.00	0.00
20,800.0	90.00	179.73	11,674.0	-8,644.3	1,296.0	8,650.3	0.00	0.00	0.00

XTO Energy

Planning Report

Database:	LMRKPROD3	Local Co-ordinate Reference:	Well PLU 18-19 Brushy Draw 106H
Company:	Delaware Basin Asset (Plans)	TVD Reference:	RKB(33') @ 3213.0usft
Project:	Eddy County	MD Reference:	RKB(33') @ 3213.0usft
Site:	PLU 18-19 Brushy Draw	North Reference:	Grid
Well:	PLU 18-19 Brushy Draw 106H	Survey Calculation Method:	Minimum Curvature
Wellbore:	PLU 18-19 Brushy Draw 106H		
Design:	PLU 18-19 Brushy Draw 106H		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
20,900.0	90.00	179.73	11,674.0	-8,744.3	1,296.5	8,750.3	0.00	0.00	0.00	
21,000.0	90.00	179.73	11,674.0	-8,844.3	1,297.0	8,850.3	0.00	0.00	0.00	
21,100.0	90.00	179.73	11,674.0	-8,944.3	1,297.4	8,950.3	0.00	0.00	0.00	
21,200.0	90.00	179.73	11,674.0	-9,044.3	1,297.9	9,050.3	0.00	0.00	0.00	
21,300.0	90.00	179.73	11,674.0	-9,144.3	1,298.4	9,150.3	0.00	0.00	0.00	
21,400.0	90.00	179.73	11,674.0	-9,244.3	1,298.9	9,250.3	0.00	0.00	0.00	
21,500.0	90.00	179.73	11,674.0	-9,344.3	1,299.3	9,350.3	0.00	0.00	0.00	
21,600.0	90.00	179.73	11,674.0	-9,444.3	1,299.8	9,450.3	0.00	0.00	0.00	
21,700.0	90.00	179.73	11,674.0	-9,544.3	1,300.3	9,550.3	0.00	0.00	0.00	
21,800.0	90.00	179.73	11,674.0	-9,644.3	1,300.7	9,650.3	0.00	0.00	0.00	
21,900.0	90.00	179.73	11,674.0	-9,744.3	1,301.2	9,750.3	0.00	0.00	0.00	
22,000.0	90.00	179.73	11,674.0	-9,844.3	1,301.7	9,850.3	0.00	0.00	0.00	
22,100.0	90.00	179.73	11,674.0	-9,944.3	1,302.2	9,950.3	0.00	0.00	0.00	
22,200.0	90.00	179.73	11,674.0	-10,044.3	1,302.6	10,050.3	0.00	0.00	0.00	
22,300.0	90.00	179.73	11,674.0	-10,144.3	1,303.1	10,150.3	0.00	0.00	0.00	
22,400.0	90.00	179.73	11,674.0	-10,244.3	1,303.6	10,250.3	0.00	0.00	0.00	
22,489.4	90.00	179.73	11,674.0	-10,333.7	1,304.0	10,339.7	0.00	0.00	0.00	
Start 49.9 hold at 22489.4 MD										
22,500.0	90.00	179.73	11,674.0	-10,344.3	1,304.1	10,350.3	0.00	0.00	0.00	
22,539.3	90.00	179.73	11,674.0	-10,383.6	1,304.2	10,389.6	0.00	0.00	0.00	
TD at 22539.3										

Design Targets										
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
PLU 18-19 Brushy Draw - plan hits target center - Point	0.00	0.00	11,674.0	-10,333.7	1,304.0	403,402.30	629,506.50	32° 6' 30.162 N	103° 54' 54.260 W	
PLU 18-19 Brushy Draw - plan hits target center - Point	0.00	0.00	11,674.0	-10,383.6	1,304.2	403,352.40	629,506.70	32° 6' 29.669 N	103° 54' 54.260 W	
PLU 18-19 Brushy Draw - plan hits target center - Point	0.00	0.00	11,674.0	-135.4	1,255.8	413,600.60	629,458.30	32° 8' 11.089 N	103° 54' 54.360 W	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,000.0	1,000.0	0.0	0.0	Start Build 2.00	
1,893.1	1,878.7	58.1	125.3	Start 3960.4 hold at 1893.1 MD	
5,853.6	5,648.3	569.2	1,227.4	Start Drop -10.00	
6,032.2	5,824.0	580.8	1,252.4	Start 5133.8 hold at 6032.2 MD	
11,166.0	10,957.8	580.8	1,252.4	Start Build 8.00	
12,291.0	11,674.0	-135.4	1,255.8	Start 10198.4 hold at 12291.0 MD	
22,489.4	11,674.0	-10,333.7	1,304.0	Start 49.9 hold at 22489.4 MD	
22,539.3	11,674.0	-10,383.6	1,304.2	TD at 22539.3	

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1220 S. St Francis Dr., Santa Fe, NM 87505
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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 196676

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 196676
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD Conditions of Approval	3/15/2023