

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

DISTRICT II

811 S. First St., Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

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

State of New Mexico
Energy, Minerals & Natural ResourcesForm C-104
Revised August 1, 2011Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT**I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

¹ Operator name and Address XTO Energy, Inc. 6401 HOLIDAY HILL ROAD BLDG 5 MIDLAND, TX 79707		² OGRID Number 373075
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 015-46553	⁵ Pool Name PURPLE SAGE; WOLFCAMP (GAS)	⁶ Pool Code 98220
⁷ Property Code 326260	⁸ Property Name POKER LAKE UNIT 18 TWR	⁹ Well Number 158H

II. 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
A	19	24S	31E		105	North	566	East	EDDY

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	30	24S	31E		1506	South	417	East	Eddy
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
34053	Plains Marketing	O
248440	Western Refining	O
373073	XTO Permian Midstream	G/W

IV. Well Completion Data

²¹ Spud Date 4/28/2020	²² Ready Date 7/10/2022	²¹²⁸⁶ MD TD 12559 TVD	²¹²⁷⁵ ML PBDT 12559 TVD	²⁵ Perforations 12,961 TO 21,141	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5	13.375 HCL 80 68#	935	1,148		
12.25	9.625 HCL 80 40#	11,757	1,265		
8.5	5.5 P110 23#	21,277	3,445		
	2 7/8 L80 6.5#	11,912			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
7/11/22	7/11/22	7/11/22	24 hrs	1096	65
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method
	3369	4900	5918		Flowing
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Amanda Thames</i>			OIL CONSERVATION DIVISION		
Printed name: Amanda Thames			Approved by:		
Title: Regulatory Analyst			Title:		
E-mail Address: amanda.thames@exxonmobil.com			Approval Date:		
Date: 8/2/2022	Phone: 432.221.7340				

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-9720

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 AS-DRILLED PLAT

¹ API Number 30-015-46553	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)
⁴ Property Code 326260	⁵ Property Name POKER LAKE UNIT 18 TWR	⁶ Well Number 158H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC	⁹ Elevation 3,498'

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
A	19	24 S	31 E		105	NORTH	566	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
I	30	24 S	31 E		1,506	SOUTH	417	EAST	EDDY

¹² Dedicated Acres 560	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. NOTE: AS-DRILLED BOTTOM HOLE PLOTTED FROM DATA FURNISHED BY XTO ENERGY.

	SHL (NAD83 NME) Y = 440,445.4 X = 703,125.1 LAT. = 32.209779 "N LONG. = 103.810226 "W KOP (NAD83 NME) Y = 440,485.5 X = 703,331.3 LAT. = 32.209886 "N LONG. = 103.809559 "W FTP (NAD83 NME) Y = 439,807.2 X = 703,303.9 LAT. = 32.208022 "N LONG. = 103.809658 "W CORNER COORDINATES (NAD83 NME) <table border="0"> <tr><td>A - Y = 440,553.0 N</td><td>X = 703,690.4 E</td></tr> <tr><td>B - Y = 440,546.6 N</td><td>X = 702,371.0 E</td></tr> <tr><td>C - Y = 437,910.5 N</td><td>X = 703,713.5 E</td></tr> <tr><td>D - Y = 437,903.7 N</td><td>X = 702,391.3 E</td></tr> <tr><td>E - Y = 435,272.1 N</td><td>X = 703,726.1 E</td></tr> <tr><td>F - Y = 435,263.9 N</td><td>X = 702,406.3 E</td></tr> <tr><td>G - Y = 432,631.2 N</td><td>X = 703,744.9 E</td></tr> <tr><td>H - Y = 432,623.0 N</td><td>X = 702,424.8 E</td></tr> <tr><td>I - Y = 429,989.7 N</td><td>X = 703,762.6 E</td></tr> <tr><td>J - Y = 429,981.7 N</td><td>X = 702,442.6 E</td></tr> </table> SHL (NAD27 NME) Y = 440,503.9 X = 661,309.5 LAT. = 32.209656 "N LONG. = 103.809742 "W KOP (NAD27 NME) Y = 440,426.7 X = 662,147.3 LAT. = 32.209763 "N LONG. = 103.809075 "W FTP (NAD27 NME) Y = 439,748.3 X = 662,120.0 LAT. = 32.207899 "N LONG. = 103.809174 "W CORNER COORDINATES (NAD27 NME) <table border="0"> <tr><td>A - Y = 440,494.2 N</td><td>X = 662,506.4 E</td></tr> <tr><td>B - Y = 440,487.8 N</td><td>X = 661,187.0 E</td></tr> <tr><td>C - Y = 437,851.8 N</td><td>X = 662,529.4 E</td></tr> <tr><td>D - Y = 437,845.0 N</td><td>X = 661,207.2 E</td></tr> <tr><td>E - Y = 435,213.4 N</td><td>X = 662,541.9 E</td></tr> <tr><td>F - Y = 435,205.2 N</td><td>X = 661,222.1 E</td></tr> <tr><td>G - Y = 432,572.6 N</td><td>X = 662,560.6 E</td></tr> <tr><td>H - Y = 432,564.4 N</td><td>X = 661,240.5 E</td></tr> <tr><td>I - Y = 429,931.2 N</td><td>X = 662,578.2 E</td></tr> <tr><td>J - Y = 429,923.2 N</td><td>X = 661,258.2 E</td></tr> </table>	A - Y = 440,553.0 N	X = 703,690.4 E	B - Y = 440,546.6 N	X = 702,371.0 E	C - Y = 437,910.5 N	X = 703,713.5 E	D - Y = 437,903.7 N	X = 702,391.3 E	E - Y = 435,272.1 N	X = 703,726.1 E	F - Y = 435,263.9 N	X = 702,406.3 E	G - Y = 432,631.2 N	X = 703,744.9 E	H - Y = 432,623.0 N	X = 702,424.8 E	I - Y = 429,989.7 N	X = 703,762.6 E	J - Y = 429,981.7 N	X = 702,442.6 E	A - Y = 440,494.2 N	X = 662,506.4 E	B - Y = 440,487.8 N	X = 661,187.0 E	C - Y = 437,851.8 N	X = 662,529.4 E	D - Y = 437,845.0 N	X = 661,207.2 E	E - Y = 435,213.4 N	X = 662,541.9 E	F - Y = 435,205.2 N	X = 661,222.1 E	G - Y = 432,572.6 N	X = 662,560.6 E	H - Y = 432,564.4 N	X = 661,240.5 E	I - Y = 429,931.2 N	X = 662,578.2 E	J - Y = 429,923.2 N	X = 661,258.2 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. <u>Amanda Thames</u> 8/2/2022 Signature Date Amanda Thames Printed Name amanda.thames@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. 05-20-2022 Date of Survey Signature and Seal of Professional Surveyor:  MARK DILLON HARP 23786 Certificate Number LS 2018010193
A - Y = 440,553.0 N	X = 703,690.4 E																																									
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Intent ☐ As Drilled ☒API #
30-015-46553

Operator Name: XTO PERMIAN OPERATING, LLC	Property Name: POKER LAKE UNIT 18TWR	Well Number 158H
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Kick Off Point (KOP)

UL A	Section 19	Township 24S	Range 31E	Lot	Feet 66	From N/S FNL	Feet 360	From E/W FEL	County EDDY
Latitude 32.209886					Longitude 103.809559			NAD 83	

First Take Point (FTP)

UL A	Section 19	Township 24S	Range 31E	Lot	Feet 744	From N/S FNL	Feet 393	From E/W FEL	County EDDY
Latitude 32.208022					Longitude 103.809658			NAD 83	

Last Take Point (LTP)

UL I	Section 30	Township 24S	Range 31E	Lot	Feet 1,667	From N/S FSL	Feet 416	From E/W FEL	County EDDY
Latitude 32.185609					Longitude 103.809686			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #
30-015-46552

Operator Name: XTO Permian Operating LLC	Property Name: Poker Lake Unit 18 TWR	Well Number 125H
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KZ 06/29/2018



XTO Permian Operating, LLC

Eddy Co., NM

Poker Lake Unit 18 TWR

158H

Wellbore #1

Design: Surveys API: 30-015-46553

Standard Survey Report

16 June, 2020





NABORS DRILLING TECHNOLOGIES USA, INC.
 515 West Greens Road
 Houston, TX 77067
 Phone: 281.874.0035
 Fax: 281.872.5205

Friday, May 8, 2020

State of New Mexico
 County of Eddy

Subject: **Survey Certification Letter**

Survey Company: **NABORS DRILLING TECH USA, INC.**
 Job Number: **T8609**
 Survey Job Type: **Nabors MWD**
 Customer: **XTO Permian Operarating LLC**
 Well Name: **Poker Lake Unit 18 TWR 158H**
 Rig Name: **Nabors X20**

Surface: **32.20965562/-103.809742**
 A.P.I. No: **30.015.46553**
 Location: **Eddy, NM**
 RKB Height: **3531'**
 Distance to Bit: **33'**

<i>Surveyor Name</i>	<i>Surveyor Title</i>	<i>Borehole Number</i>	<i>Start Depth</i>	<i>End Depth</i>	<i>Start Date</i>	<i>End Date</i>	<i>Type of</i>	<i>TD Straight Line Projection</i>
Kevin Moore	MWD Supervisor	OH	189'	11696'	04/28/20	05/08/20	MWD	11767'

The data and calculations for this survey have been checked by me and conform to the calibration standards and operational procedures set forth by NABORS DRILLING TECHNOLOGIES USA, INC. I am authorized and qualified to review the data, calculations and these reports; the reports represents true and correct Directional Surveys of this well based on the original data, the minimum curvature method, corrected to Grid North and obtained at the well site.


Kevin Moore
 MWD Supervisor
 NABORS DRILLING TECHNOLOGIES USA, INC.



NABORS DRILLING TECHNOLOGIES USA, INC.

515 West Greens Road

Houston, TX 77067

Phone: 281.874.0035

Fax: 281.872.5205

Sunday, June 14, 2020

State of New Mexico

County of Eddy

Subject: **Survey Certification Letter**

Survey Company: NABORS DRILLING TECH USA, INC.

Job Number: T8609

Survey Job Type: Nabors MWD

Customer: XTO Permian Operating LLC

Well Name: Poker Lake Unit 18 TWR 158H

Rig Name: Nabors X20

Surface: 32.20965562/-103.809742

A.P.I. No: 30.015.46553

Location: Eddy, NM

RKB Height: 33'

Distance to Bit: 49'

Surveyor Name	Surveyor Title	Borehole Number	Start Depth	End Depth	Start Date	End Date	Type of	TD Straight Line Projection
Brad Thomasson	MWD Supervisor	OH	11810'	12965'	06/11/20	06/14/20	MWD	13014'

The data and calculations for this survey have been checked by me and conform to the calibration standards and operational procedures set forth by NABORS DRILLING TECHNOLOGIES USA, INC. I am authorized and qualified to review the data, calculations and these reports; the reports represents true and correct Directional Surveys of this well based on the original data, the minimum curvature method, corrected to Grid North and obtained at the well site.

Brad Thomasson

MWD Supervisor

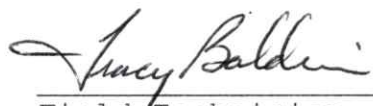
NABORS DRILLING TECHNOLOGIES USA, INC.



Scientific Drilling International, Inc.
325 Faudree Road
Odessa, Texas 79765
Tel: 432.689.5600 Fax: 432.563.6255
www.scientificdrilling.com

State of New Mexico
County of Eddie

I, Tracy Baldwin, certify that; I am employed by Scientific Drilling International; that I did on the day(s) of 06/14/2020 through 06/20/2020 conduct or supervise the taking of a MWD survey from a depth of 13085 feet to a depth of 16543 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Scientific Drilling International; that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO Energy for the Poker Lake Unit 18 TWR 158H Well, API# 30-015-46553 in Eddie County, Texas; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Scientific Drilling International.



Field Technician



Scientific Drilling International, Inc.
325 Faudree Road
Odessa, Texas 79765
Tel: 432.689.5600 Fax: 432.563.6255
www.scientificdrilling.com

State of New Mexico
County of Eddie

I, Tracy Baldwin, certify that; I am employed by Scientific Drilling International; that I did on the day(s) of 06/26/2020 through 06/29/2020 conduct or supervise the taking of a MWD survey from a depth of 15373 feet to a depth of 15564 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Scientific Drilling International; that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO Energy for the Poker Lake Unit 18 TWR 158H ST02 Well, API# 30-015-46553 in Eddie County, Texas; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Scientific Drilling International.

Tracy Baldwin
Field Technician



Scientific Drilling International, Inc.
325 Faudree Road
Odessa, Texas 79765
Tel: 432.689.5600 Fax: 432.563.6255
www.scientificdrilling.com

State of New Mexico
County of Eddie

I, Tracy Baldwin, certify that; I am employed by Scientific Drilling International; that I did on the day(s) of 06/21/2020 through 06/26/2020 conduct or supervise the taking of a MWD survey from a depth of 16157 feet to a depth of 16824 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Scientific Drilling International; that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO Energy for the Poker Lake Unit 18 TWR 158H ST01 Well, API# 30-015-46553 in Eddie County, Texas; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Scientific Drilling International.

Tracy Baldwin
Field Technician



Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 158H
Project:	Eddy Co., NM	TVD Reference:	RT= 32.5'(Nabors X20) @ 3530.50ft (Nabors X20)
Site:	Poker Lake Unit 18 TWR	MD Reference:	RT= 32.5'(Nabors X20) @ 3530.50ft (Nabors X20)
Well:	158H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys API: 30-015-46553	Database:	RyanUSA_32Bit

Project	Eddy Co., 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	Poker Lake Unit 18 TWR				
Site Position:		Northing:	440,386.600 usft	Latitude:	32° 12' 34.760264 N
From:	Map	Easting:	661,941.100 usft	Longitude:	103° 48' 35.071277 W
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.28 °

Well	158H					
Well Position	+N/-S	0.00 ft	Northing:	440,386.600 usft	Latitude:	32° 12' 34.760264 N
	+E/-W	0.00 ft	Easting:	661,941.100 usft	Longitude:	103° 48' 35.071277 W
Position Uncertainty		2.00 ft	Wellhead Elevation:	ft	Ground Level:	3,498.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	4/25/2020	6.67	59.85	47,813.80000000

Design	Surveys API: 30-015-46553				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00		179.61

Survey Program	Date	6/16/2020			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
189.00	13,014.00	Survey #1 NDS (Wellbore #1)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
189.00	0.50	275.69	189.00	0.08	-0.82	-0.09	0.26	0.26	0.00	
250.00	0.75	272.70	249.99	0.13	-1.48	-0.14	0.41	0.41	-4.90	
342.00	0.81	275.51	341.99	0.22	-2.73	-0.24	0.08	0.07	3.05	
434.00	0.69	266.19	433.98	0.24	-3.93	-0.27	0.19	-0.13	-10.13	
525.00	0.88	280.78	524.97	0.34	-5.17	-0.37	0.30	0.21	16.03	
617.00	0.56	272.87	616.96	0.49	-6.31	-0.54	0.36	-0.35	-8.60	
709.00	0.31	268.48	708.96	0.51	-7.01	-0.56	0.27	-0.27	-4.77	
800.00	0.44	290.28	799.96	0.62	-7.58	-0.67	0.21	0.14	23.96	



Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 158H
Project:	Eddy Co., NM	TVD Reference:	RT= 32.5'(Nabors X20) @ 3530.50ft (Nabors X20)
Site:	Poker Lake Unit 18 TWR	MD Reference:	RT= 32.5'(Nabors X20) @ 3530.50ft (Nabors X20)
Well:	158H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys API: 30-015-46553	Database:	RyanUSA_32Bit

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
891.00	0.50	299.59	890.95	0.94	-8.25	-1.00	0.11	0.07	10.23
991.00	1.19	303.28	990.94	1.73	-9.50	-1.79	0.69	0.69	3.69
1,082.00	1.38	305.04	1,081.92	2.87	-11.19	-2.95	0.21	0.21	1.93
1,176.00	1.50	298.89	1,175.89	4.12	-13.19	-4.21	0.21	0.13	-6.54
1,271.00	1.44	293.97	1,270.86	5.20	-15.37	-5.31	0.15	-0.06	-5.18
1,365.00	0.44	303.81	1,364.84	5.88	-16.75	-6.00	1.07	-1.06	10.47
1,459.00	0.75	123.28	1,458.84	5.75	-16.54	-5.86	1.27	0.33	190.93
1,553.00	1.19	115.02	1,552.83	5.00	-15.14	-5.10	0.49	0.47	-8.79
1,648.00	0.81	113.97	1,647.81	4.31	-13.63	-4.40	0.40	-0.40	-1.11
1,742.00	0.75	96.21	1,741.81	3.97	-12.41	-4.05	0.26	-0.06	-18.89
1,836.00	0.44	118.89	1,835.80	3.73	-11.48	-3.81	0.41	-0.33	24.13
1,930.00	0.25	126.62	1,929.80	3.43	-11.00	-3.51	0.21	-0.20	8.22
2,024.00	0.19	173.73	2,023.80	3.16	-10.82	-3.23	0.20	-0.06	50.12
2,118.00	0.38	222.78	2,117.80	2.77	-11.02	-2.85	0.31	0.20	52.18
2,212.00	0.44	214.87	2,211.80	2.25	-11.43	-2.32	0.09	0.06	-8.41
2,305.00	0.69	225.94	2,304.79	1.56	-12.04	-1.65	0.29	0.27	11.90
2,400.00	0.75	237.89	2,399.78	0.84	-12.98	-0.92	0.17	0.06	12.58
2,494.00	0.19	353.73	2,493.78	0.66	-13.52	-0.76	0.90	-0.60	123.23
2,589.00	0.50	51.57	2,588.78	1.08	-13.21	-1.17	0.45	0.33	60.88
2,683.00	0.44	7.27	2,682.78	1.69	-12.84	-1.78	0.38	-0.06	-47.13
2,777.00	0.13	0.76	2,776.77	2.16	-12.80	-2.24	0.33	-0.33	-6.93
2,872.00	0.38	1.47	2,871.77	2.58	-12.79	-2.67	0.26	0.26	0.75
2,966.00	0.56	50.34	2,965.77	3.18	-12.42	-3.27	0.45	0.19	51.99
3,061.00	0.38	74.24	3,060.77	3.56	-11.76	-3.64	0.28	-0.19	25.16
3,156.00	0.38	31.53	3,155.77	3.92	-11.30	-4.00	0.29	0.00	-44.96
3,250.00	0.25	39.96	3,249.76	4.34	-11.00	-4.42	0.15	-0.14	8.97
3,343.00	0.44	54.55	3,342.76	4.70	-10.58	-4.78	0.22	0.20	15.69
3,437.00	1.25	76.18	3,436.75	5.16	-9.29	-5.22	0.91	0.86	23.01
3,531.00	2.06	87.25	3,530.71	5.48	-6.61	-5.53	0.92	0.86	11.78
3,625.00	2.56	80.39	3,624.64	5.92	-2.85	-5.94	0.61	0.53	-7.30
3,720.00	2.56	73.54	3,719.54	6.87	1.28	-6.86	0.32	0.00	-7.21
3,815.00	3.44	79.16	3,814.41	8.01	6.11	-7.97	0.98	0.93	5.92
3,909.00	4.19	85.32	3,908.20	8.82	12.30	-8.74	0.91	0.80	6.55
4,004.00	4.00	97.27	4,002.96	8.68	19.05	-8.55	0.92	-0.20	12.58
4,099.00	4.31	96.74	4,097.71	7.84	25.88	-7.67	0.33	0.33	-0.56
4,193.00	4.44	90.41	4,191.44	7.40	33.03	-7.18	0.53	0.14	-6.73
4,288.00	4.50	81.62	4,286.15	7.92	40.39	-7.65	0.72	0.06	-9.25
4,382.00	4.56	69.32	4,379.86	9.78	47.54	-9.45	1.03	0.06	-13.09
4,476.00	4.69	64.93	4,473.55	12.73	54.51	-12.35	0.40	0.14	-4.67
4,569.00	4.31	65.28	4,566.27	15.80	61.13	-15.38	0.41	-0.41	0.38
4,662.00	4.06	67.91	4,659.02	18.50	67.36	-18.04	0.34	-0.27	2.83
4,756.00	3.75	67.56	4,752.80	20.92	73.28	-20.42	0.33	-0.33	-0.37



Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 158H
Project:	Eddy Co., NM	TVD Reference:	RT= 32.5'(Nabors X20) @ 3530.50ft (Nabors X20)
Site:	Poker Lake Unit 18 TWR	MD Reference:	RT= 32.5'(Nabors X20) @ 3530.50ft (Nabors X20)
Well:	158H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys API: 30-015-46553	Database:	RyanUSA_32Bit

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,851.00	4.44	63.52	4,847.56	23.75	79.44	-23.21	0.79	0.73	-4.25
4,945.00	5.19	66.51	4,941.22	27.07	86.60	-26.48	0.84	0.80	3.18
5,039.00	5.94	69.32	5,034.78	30.48	95.05	-29.83	0.85	0.80	2.99
5,134.00	6.06	68.79	5,129.26	34.03	104.32	-33.32	0.14	0.13	-0.56
5,229.00	5.25	68.09	5,223.80	37.46	113.03	-36.69	0.86	-0.85	-0.74
5,324.00	4.81	66.33	5,318.43	40.68	120.71	-39.86	0.49	-0.46	-1.85
5,418.00	4.56	61.94	5,412.12	44.02	127.62	-43.16	0.46	-0.27	-4.67
5,513.00	4.44	59.30	5,506.82	47.68	134.11	-46.76	0.25	-0.13	-2.78
5,608.00	4.44	67.39	5,601.54	50.97	140.67	-50.01	0.66	0.00	8.52
5,703.00	4.38	74.77	5,696.26	53.34	147.56	-52.33	0.60	-0.06	7.77
5,797.00	3.94	73.19	5,790.01	55.21	154.12	-54.16	0.48	-0.47	-1.68
5,892.00	3.50	74.77	5,884.81	56.92	160.04	-55.83	0.48	-0.46	1.66
5,986.00	3.06	72.66	5,978.66	58.42	165.20	-57.29	0.49	-0.47	-2.24
6,081.00	2.75	73.71	6,073.54	59.82	169.81	-58.66	0.33	-0.33	1.11
6,175.00	2.63	72.66	6,167.43	61.09	174.04	-59.90	0.14	-0.13	-1.12
6,269.00	2.56	68.26	6,261.34	62.51	178.04	-61.30	0.22	-0.07	-4.68
6,363.00	1.81	85.32	6,355.27	63.41	181.47	-62.17	1.05	-0.80	18.15
6,458.00	1.56	87.60	6,450.23	63.59	184.26	-62.33	0.27	-0.26	2.40
6,552.00	1.69	99.91	6,544.19	63.40	186.90	-62.13	0.40	0.14	13.10
6,647.00	1.44	104.83	6,639.15	62.85	189.44	-61.56	0.30	-0.26	5.18
6,740.00	1.25	101.66	6,732.13	62.35	191.56	-61.05	0.22	-0.20	-3.41
6,834.00	0.94	91.12	6,826.11	62.13	193.34	-60.81	0.39	-0.33	-11.21
6,928.00	0.81	100.78	6,920.10	61.99	194.76	-60.66	0.21	-0.14	10.28
7,022.00	0.81	117.13	7,014.09	61.56	196.00	-60.23	0.25	0.00	17.39
7,115.00	0.75	147.01	7,107.08	60.75	196.92	-59.41	0.44	-0.06	32.13
7,209.00	0.75	142.97	7,201.07	59.74	197.63	-58.40	0.06	0.00	-4.30
7,304.00	1.06	137.52	7,296.06	58.60	198.59	-57.25	0.34	0.33	-5.74
7,398.00	0.88	148.42	7,390.05	57.34	199.56	-55.98	0.27	-0.19	11.60
7,492.00	0.56	148.42	7,484.04	56.34	200.18	-54.97	0.34	-0.34	0.00
7,587.00	0.75	224.71	7,579.04	55.50	199.98	-54.14	0.87	0.20	80.31
7,681.00	0.94	201.86	7,673.03	54.35	199.26	-52.99	0.41	0.20	-24.31
7,776.00	1.06	200.98	7,768.01	52.80	198.66	-51.45	0.13	0.13	-0.93
7,870.00	1.19	213.64	7,861.99	51.18	197.81	-49.83	0.30	0.14	13.47
7,964.00	1.19	199.05	7,955.97	49.44	196.95	-48.10	0.32	0.00	-15.52
8,058.00	1.19	198.69	8,049.95	47.60	196.32	-46.26	0.01	0.00	-0.38
8,152.00	1.38	190.61	8,143.93	45.56	195.80	-44.23	0.28	0.20	-8.60
8,247.00	1.00	182.87	8,238.91	43.61	195.54	-42.27	0.43	-0.40	-8.15
8,341.00	0.88	180.59	8,332.90	42.07	195.49	-40.73	0.13	-0.13	-2.43
8,434.00	1.06	196.23	8,425.88	40.53	195.25	-39.20	0.34	0.19	16.82
8,528.00	1.44	194.30	8,519.86	38.55	194.71	-37.22	0.41	0.40	-2.05
8,622.00	1.00	180.06	8,613.84	36.58	194.42	-35.26	0.57	-0.47	-15.15
8,716.00	1.13	164.07	8,707.82	34.87	194.67	-33.54	0.34	0.14	-17.01



Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 158H
Project:	Eddy Co., NM	TVD Reference:	RT= 32.5'(Nabors X20) @ 3530.50ft (Nabors X20)
Site:	Poker Lake Unit 18 TWR	MD Reference:	RT= 32.5'(Nabors X20) @ 3530.50ft (Nabors X20)
Well:	158H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys API: 30-015-46553	Database:	RyanUSA_32Bit

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,809.00	1.25	164.42	8,800.80	33.01	195.20	-31.68	0.13	0.13	0.38
8,904.00	0.88	162.13	8,895.79	31.32	195.70	-29.99	0.39	-0.39	-2.41
8,998.00	0.75	166.00	8,989.78	30.03	196.07	-28.70	0.15	-0.14	4.12
9,092.00	0.50	171.80	9,083.77	29.03	196.28	-27.70	0.27	-0.27	6.17
9,186.00	0.31	294.50	9,177.77	28.73	196.10	-27.40	0.76	-0.20	130.53
9,280.00	1.44	329.65	9,271.76	29.86	195.28	-28.53	1.28	1.20	37.39
9,374.00	1.31	327.89	9,365.73	31.79	194.11	-30.46	0.15	-0.14	-1.87
9,468.00	0.75	335.45	9,459.72	33.26	193.28	-31.94	0.61	-0.60	8.04
9,562.00	0.50	317.17	9,553.71	34.12	192.75	-32.80	0.34	-0.27	-19.45
9,655.00	0.31	314.36	9,646.71	34.59	192.29	-33.28	0.21	-0.20	-3.02
9,748.00	0.25	98.32	9,739.71	34.74	192.31	-33.43	0.57	-0.06	154.80
9,842.00	0.31	70.73	9,833.71	34.79	192.75	-33.48	0.15	0.06	-29.35
9,937.00	0.25	52.62	9,928.71	35.00	193.16	-33.68	0.11	-0.06	-19.06
10,031.00	0.19	113.97	10,022.70	35.06	193.47	-33.74	0.25	-0.06	65.27
10,126.00	0.63	101.84	10,117.70	34.89	194.12	-33.57	0.47	0.46	-12.77
10,220.00	0.88	106.94	10,211.69	34.57	195.32	-33.24	0.28	0.27	5.43
10,314.00	1.06	120.82	10,305.68	33.92	196.76	-32.58	0.31	0.19	14.77
10,408.00	0.81	129.96	10,399.67	33.05	198.01	-31.70	0.31	-0.27	9.72
10,502.00	0.50	134.53	10,493.66	32.33	198.81	-30.98	0.33	-0.33	4.86
10,596.00	0.44	225.59	10,587.66	31.79	198.85	-30.44	0.72	-0.06	96.87
10,689.00	0.25	251.25	10,680.66	31.48	198.40	-30.13	0.26	-0.20	27.59
10,783.00	0.38	51.57	10,774.66	31.60	198.45	-30.25	0.66	0.14	170.55
10,876.00	0.81	20.80	10,867.65	32.41	198.93	-31.06	0.56	0.46	-33.09
10,970.00	1.25	32.41	10,961.64	33.90	199.71	-32.54	0.52	0.47	12.35
11,063.00	1.19	30.82	11,054.62	35.58	200.75	-34.22	0.07	-0.06	-1.71
11,157.00	0.88	37.68	11,148.60	36.99	201.69	-35.62	0.35	-0.33	7.30
11,252.00	0.88	39.09	11,243.59	38.14	202.60	-36.76	0.02	0.00	1.48
11,345.00	0.69	42.25	11,336.58	39.11	203.42	-37.72	0.21	-0.20	3.40
11,439.00	0.50	55.26	11,430.58	39.76	204.14	-38.37	0.25	-0.20	13.84
11,532.00	0.31	48.23	11,523.57	40.16	204.66	-38.76	0.21	-0.20	-7.56
11,626.00	0.19	69.32	11,617.57	40.38	205.00	-38.98	0.16	-0.13	22.44
11,696.00	0.25	76.35	11,687.57	40.46	205.26	-39.06	0.09	0.09	10.04
11,810.00	0.33	102.37	11,801.57	40.45	205.82	-39.04	0.13	0.07	22.82
11,905.00	0.30	178.79	11,896.57	40.14	206.09	-38.74	0.41	-0.03	80.44
11,952.00	2.46	183.57	11,943.55	39.01	206.03	-37.61	4.60	4.60	10.17
11,999.00	5.66	180.65	11,990.43	35.68	205.94	-34.28	6.82	6.81	-6.21
12,023.00	7.10	181.40	12,014.28	33.02	205.89	-31.62	6.01	6.00	3.13
12,070.00	10.46	185.69	12,060.72	25.87	205.40	-24.47	7.28	7.15	9.13
12,117.00	16.12	185.76	12,106.45	15.12	204.32	-13.73	12.04	12.04	0.15
12,164.00	21.78	189.70	12,150.88	0.02	202.19	1.36	12.34	12.04	8.38
12,212.00	27.34	190.69	12,194.52	-19.60	198.64	20.96	11.61	11.58	2.06
12,259.00	32.60	190.57	12,235.22	-42.67	194.32	43.99	11.19	11.19	-0.26



Nabors Drilling Solutions

Survey Report



Company:	XTO Permian Operating, LLC	Local Co-ordinate Reference:	Well 158H
Project:	Eddy Co., NM	TVD Reference:	RT= 32.5'(Nabors X20) @ 3530.50ft (Nabors X20)
Site:	Poker Lake Unit 18 TWR	MD Reference:	RT= 32.5'(Nabors X20) @ 3530.50ft (Nabors X20)
Well:	158H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys API: 30-015-46553	Database:	RyanUSA_32Bit

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
12,306.00	38.50	186.17	12,273.45	-69.69	190.42	70.98	13.68	12.55	-9.36
12,353.00	42.45	182.93	12,309.20	-100.09	188.03	101.37	9.52	8.40	-6.89
12,400.00	45.95	182.24	12,342.89	-132.82	186.56	134.09	7.52	7.45	-1.47
12,447.00	49.06	181.89	12,374.64	-167.45	185.32	168.70	6.64	6.62	-0.74
12,495.00	52.85	181.53	12,404.87	-204.70	184.21	205.95	7.92	7.90	-0.75
12,542.00	56.06	181.09	12,432.19	-242.93	183.34	244.17	6.87	6.83	-0.94
12,589.00	59.02	180.40	12,457.41	-282.58	182.82	283.82	6.42	6.30	-1.47
12,636.00	63.12	179.73	12,480.14	-323.70	182.78	324.94	8.81	8.72	-1.43
12,683.00	66.49	179.16	12,500.15	-366.22	183.20	367.46	7.25	7.17	-1.21
12,777.00	77.07	181.20	12,529.50	-455.38	182.87	456.61	11.44	11.26	2.17
12,870.00	87.80	181.16	12,541.72	-547.42	180.97	548.63	11.54	11.54	-0.04
12,965.00	89.78	181.83	12,543.73	-642.36	178.50	643.56	2.20	2.08	0.71
13,014.00	89.78	181.83	12,543.92	-691.33	176.93	692.52	0.00	0.00	0.00
PTB									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
13,014.00	12,543.92	-691.33	176.93	PTB

Checked By: _____ Approved By: _____ Date: _____

T + 1 337.856-7201
1058 Baker Hughes Drive
Broussard, LA 70518, USA



1058 Baker Hughes Dr.
Broussard, LA 70518
Tel 337-856-7201 or 800-395-7201

State of New Mexico
County of Eddy

I, Anthony Russo, Remote Operations Specialist, certify that I am employed by Baker Hughes; did conduct or supervise on the day(s) of 06/29/2020 through 07/13/2020 conduct or supervise the taking of a MWD survey from a depth of 15629.00 feet to a depth of 21262.00 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Baker Hughes; that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO Permian Operating LLC. for the PLU 18 TWR #158H ST01 Well, API No. 30-015-46553-01 in Purple Sage Wolfcamp Gas field; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Baker Hughes.

Anthony Russo

Anthony Russo

Remote Operations Engineer

SO#: 110479660



Actual Wellpath Report

PLU 18 TWR #158H ST01 FINAL 15564' - 21262' Proj: 21286'

Page 1 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	PLU 18 TWR #158H ST01
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 18 TWR #158H	Wellbore	PLU 18 TWR #158H ST01
Slot	PLU 18 TWR #158H	Sidetrack from	PLU 18 TWR #158H AWP OH 189' - 16824' at 15340.00 MD

REPORT SETUP INFORMATION			
Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Gail Deering
Scale	0.999939	Report Generated	03/Aug/2020 at 16:08
Convergence at slot	0.28° East	Database	WA_HOU_Midland_Defn

WELLPATH LOCATION						
	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	661941.10	440386.60	32°12'34.7603"N	103°48'35.0713"W
Facility Reference Pt			661941.10	440386.60	32°12'34.7603"N	103°48'35.0713"W
Field Reference Pt			152400.30	0.00	30°59'42.8458"N	105°26'33.6593"W

WELLPATH DATUM			
Calculation method	Minimum curvature	X20 (RKB) to Facility Vertical Datum	3530.50ft
Horizontal Reference Pt	Slot	X20 (RKB) to Mean Sea Level	3530.50ft
Vertical Reference Pt	X20 (RKB)	X20 (RKB) to Ground Level at Slot (PLU 18 TWR #158H)	32.50ft
MD Reference Pt	X20 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	178.68°



Actual Wellpath Report

PLU 18 TWR #158H ST01 FINAL 15564' - 21262' Proj: 21286'

Page 2 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	PLU 18 TWR #158H ST01
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 18 TWR #158H	Wellbore	PLU 18 TWR #158H ST01
Slot	PLU 18 TWR #158H	Sidetrack from	PLU 18 TWR #158H AWP OH 189' - 16824' at 15340.00 MD

WELLPATH DATA (240 stations) † = interpolated, ‡ = extrapolated station														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
0.00†	0.000	275.690	0.00	0.00	0.00	0.00	661941.10	440386.60	32°12'34.7603"N	103°48'35.0713"W	0.00	0.00	0.00	
32.50	0.000	275.690	32.50	0.00	0.00	0.00	661941.10	440386.60	32°12'34.7603"N	103°48'35.0713"W	0.00	0.00	0.00	
189.00	0.500	275.690	189.00	-0.08	0.07	-0.68	661940.42	440386.67	32°12'34.7610"N	103°48'35.0792"W	0.32	0.32	0.00	
250.00	0.750	272.700	249.99	-0.14	0.11	-1.34	661939.76	440386.71	32°12'34.7614"N	103°48'35.0869"W	0.41	0.41	-4.90	
342.00	0.810	275.510	341.99	-0.26	0.20	-2.59	661938.51	440386.80	32°12'34.7624"N	103°48'35.1014"W	0.08	0.07	3.05	
434.00	0.690	266.190	433.98	-0.32	0.23	-3.79	661937.31	440386.83	32°12'34.7627"N	103°48'35.1154"W	0.19	-0.13	-10.13	
525.00	0.880	280.780	524.97	-0.44	0.32	-5.03	661936.08	440386.92	32°12'34.7637"N	103°48'35.1297"W	0.30	0.21	16.03	
617.00	0.560	272.870	616.96	-0.62	0.48	-6.17	661934.93	440387.08	32°12'34.7653"N	103°48'35.1430"W	0.36	-0.35	-8.60	
709.00	0.310	268.480	708.96	-0.65	0.49	-6.87	661934.23	440387.09	32°12'34.7655"N	103°48'35.1512"W	0.27	-0.27	-4.77	
800.00	0.440	290.280	799.96	-0.78	0.61	-7.44	661933.66	440387.21	32°12'34.7666"N	103°48'35.1578"W	0.21	0.14	23.96	
891.00	0.500	299.590	890.95	-1.11	0.93	-8.11	661932.99	440387.53	32°12'34.7698"N	103°48'35.1656"W	0.11	0.07	10.23	
991.00	1.190	303.280	990.94	-1.93	1.71	-9.36	661931.74	440388.31	32°12'34.7776"N	103°48'35.1801"W	0.69	0.69	3.69	
1082.00	1.380	305.040	1081.92	-3.11	2.86	-11.05	661930.05	440389.46	32°12'34.7891"N	103°48'35.1997"W	0.21	0.21	1.93	
1176.00	1.500	298.890	1175.89	-4.40	4.10	-13.05	661928.05	440390.70	32°12'34.8015"N	103°48'35.2229"W	0.21	0.13	-6.54	
1271.00	1.440	293.970	1270.86	-5.54	5.19	-15.23	661925.87	440391.79	32°12'34.8123"N	103°48'35.2482"W	0.15	-0.06	-5.18	
1365.00	0.440	303.810	1364.85	-6.25	5.87	-16.61	661924.49	440392.47	32°12'34.8191"N	103°48'35.2643"W	1.07	-1.06	10.47	
1459.00	0.750	123.280	1458.84	-6.11	5.73	-16.40	661924.71	440392.33	32°12'34.8178"N	103°48'35.2618"W	1.27	0.33	190.93	
1553.00	1.190	115.020	1552.83	-5.33	4.98	-15.00	661926.10	440391.58	32°12'34.8103"N	103°48'35.2455"W	0.49	0.47	-8.79	
1648.00	0.810	113.970	1647.81	-4.60	4.29	-13.49	661927.61	440390.89	32°12'34.8034"N	103°48'35.2280"W	0.40	-0.40	-1.11	
1742.00	0.750	96.210	1741.81	-4.24	3.96	-12.27	661928.83	440390.56	32°12'34.8000"N	103°48'35.2139"W	0.26	-0.06	-18.89	
1836.00	0.440	118.890	1835.80	-3.97	3.71	-11.34	661929.76	440390.31	32°12'34.7976"N	103°48'35.2031"W	0.41	-0.33	24.13	
1930.00	0.250	126.620	1929.80	-3.67	3.42	-10.86	661930.24	440390.02	32°12'34.7946"N	103°48'35.1975"W	0.21	-0.20	8.22	
2024.00	0.190	173.730	2023.80	-3.39	3.14	-10.68	661930.42	440389.74	32°12'34.7919"N	103°48'35.1954"W	0.20	-0.06	50.12	
2118.00	0.380	222.780	2117.80	-3.01	2.76	-10.88	661930.23	440389.36	32°12'34.7881"N	103°48'35.1977"W	0.31	0.20	52.18	
2212.00	0.440	214.870	2211.80	-2.49	2.23	-11.29	661929.81	440388.83	32°12'34.7829"N	103°48'35.2026"W	0.09	0.06	-8.41	
2305.00	0.690	225.940	2304.79	-1.82	1.55	-11.90	661929.20	440388.15	32°12'34.7762"N	103°48'35.2097"W	0.29	0.27	11.90	
2400.00	0.750	237.890	2399.78	-1.12	0.82	-12.84	661928.26	440387.42	32°12'34.7690"N	103°48'35.2206"W	0.17	0.06	12.58	
2494.00	0.190	353.730	2493.78	-0.96	0.65	-13.38	661927.72	440387.25	32°12'34.7673"N	103°48'35.2269"W	0.90	-0.60	123.23	
2589.00	0.500	51.570	2588.78	-1.36	1.06	-13.07	661928.03	440387.66	32°12'34.7714"N	103°48'35.2233"W	0.45	0.33	60.88	
2683.00	0.440	7.270	2682.78	-1.97	1.68	-12.70	661928.40	440388.28	32°12'34.7775"N	103°48'35.2190"W	0.38	-0.06	-47.13	
2777.00	0.130	0.760	2776.78	-2.43	2.14	-12.65	661928.45	440388.74	32°12'34.7821"N	103°48'35.2184"W	0.33	-0.33	-6.93	
2872.00	0.380	1.470	2871.77	-2.85	2.56	-12.64	661928.46	440389.16	32°12'34.7862"N	103°48'35.2183"W	0.26	0.26	0.75	
2966.00	0.560	50.340	2965.77	-3.45	3.17	-12.28	661928.82	440389.77	32°12'34.7922"N	103°48'35.2141"W	0.45	0.19	51.99	

WELLPATH DATA (240 stations) † = interpolated, ‡ = extrapolated station														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
3061.00	0.380	74.240	3060.77	-3.82	3.55	-11.62	661929.48	440390.15	32°12'34.7960"N	103°48'35.2063"W	0.28	-0.19	25.16	
3156.00	0.380	31.530	3155.77	-4.16	3.90	-11.15	661929.95	440390.50	32°12'34.7994"N	103°48'35.2009"W	0.29	0.00	-44.96	
3250.00	0.250	39.960	3249.76	-4.58	4.33	-10.86	661930.24	440390.93	32°12'34.8036"N	103°48'35.1974"W	0.15	-0.14	8.97	
3343.00	0.440	54.550	3342.76	-4.93	4.69	-10.44	661930.66	440391.29	32°12'34.8072"N	103°48'35.1925"W	0.22	0.20	15.69	
3437.00	1.250	76.180	3436.75	-5.35	5.14	-9.15	661931.95	440391.74	32°12'34.8116"N	103°48'35.1775"W	0.91	0.86	23.01	
3531.00	2.060	87.250	3530.71	-5.62	5.47	-6.47	661934.63	440392.07	32°12'34.8147"N	103°48'35.1462"W	0.92	0.86	11.78	
3625.00	2.560	80.390	3624.64	-5.96	5.90	-2.71	661938.39	440392.50	32°12'34.8188"N	103°48'35.1025"W	0.61	0.53	-7.30	
3720.00	2.560	73.540	3719.54	-6.82	6.86	1.42	661942.52	440393.46	32°12'34.8281"N	103°48'35.0544"W	0.32	0.00	-7.21	
3815.00	3.440	79.160	3814.41	-7.85	7.99	6.25	661947.35	440394.59	32°12'34.8391"N	103°48'34.9981"W	0.98	0.93	5.92	
3909.00	4.190	85.320	3908.20	-8.52	8.81	12.44	661953.54	440395.40	32°12'34.8468"N	103°48'34.9259"W	0.91	0.80	6.55	
4004.00	4.000	97.270	4002.96	-8.23	8.67	19.19	661960.29	440395.27	32°12'34.8451"N	103°48'34.8474"W	0.92	-0.20	12.58	
4099.00	4.310	96.740	4097.71	-7.23	7.83	26.02	661967.12	440394.43	32°12'34.8365"N	103°48'34.7680"W	0.33	0.33	-0.56	



Actual Wellpath Report

PLU 18 TWR #158H ST01 FINAL 15564' - 21262' Proj: 21286'

Page 3 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	PLU 18 TWR #158H ST01
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 18 TWR #158H	Wellbore	PLU 18 TWR #158H ST01
Slot	PLU 18 TWR #158H	Sidetrack from	PLU 18 TWR #158H AWP OH 189' - 16824' at 15340.00 MD

WELLPATH DATA (240 stations)														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
4193.00	4.440	90.410	4191.44	-6.63	7.39	33.17	661974.27	440393.99	32°12'34.8318"N	103°48'34.6848"W	0.53	0.14	-6.73	
4288.00	4.500	81.620	4286.15	-6.97	7.91	40.53	661981.63	440394.51	32°12'34.8366"N	103°48'34.5991"W	0.72	0.06	-9.25	
4382.00	4.560	69.320	4379.86	-8.67	9.76	47.68	661988.77	440396.36	32°12'34.8546"N	103°48'34.5158"W	1.03	0.06	-13.09	
4476.00	4.690	64.930	4473.55	-11.45	12.71	54.65	661995.75	440399.31	32°12'34.8834"N	103°48'34.4345"W	0.40	0.14	-4.67	
4569.00	4.310	65.280	4566.27	-14.37	15.78	61.27	662002.37	440402.38	32°12'34.9135"N	103°48'34.3573"W	0.41	-0.41	0.38	
4662.00	4.060	67.910	4659.02	-16.93	18.48	67.50	662008.59	440405.08	32°12'34.9399"N	103°48'34.2847"W	0.34	-0.27	2.83	
4756.00	3.750	67.560	4752.80	-19.22	20.91	73.42	662014.52	440407.51	32°12'34.9636"N	103°48'34.2156"W	0.33	-0.33	-0.37	
4851.00	4.440	63.520	4847.56	-21.90	23.73	79.58	662020.68	440410.33	32°12'34.9913"N	103°48'34.1437"W	0.79	0.73	-4.25	
4945.00	5.190	66.510	4941.22	-25.05	27.05	86.74	662027.84	440413.65	32°12'35.0238"N	103°48'34.0602"W	0.84	0.80	3.18	
5039.00	5.940	69.320	5034.78	-28.27	30.46	95.19	662036.28	440417.06	32°12'35.0571"N	103°48'33.9617"W	0.85	0.80	2.99	
5134.00	6.060	68.790	5129.26	-31.60	34.01	104.46	662045.56	440420.61	32°12'35.0918"N	103°48'33.8535"W	0.14	0.13	-0.56	
5229.00	5.250	68.090	5223.80	-34.84	37.45	113.17	662054.26	440424.05	32°12'35.1254"N	103°48'33.7520"W	0.86	-0.85	-0.74	
5324.00	4.810	66.330	5318.43	-37.88	40.67	120.85	662061.94	440427.27	32°12'35.1569"N	103°48'33.6624"W	0.49	-0.46	-1.85	
5418.00	4.560	61.940	5412.12	-41.06	44.01	127.76	662068.85	440430.61	32°12'35.1896"N	103°48'33.5819"W	0.46	-0.27	-4.67	
5513.00	4.440	59.300	5506.82	-44.57	47.66	134.25	662075.35	440434.26	32°12'35.2254"N	103°48'33.5061"W	0.25	-0.13	-2.78	
5608.00	4.440	67.390	5601.54	-47.71	50.96	140.81	662081.90	440437.55	32°12'35.2577"N	103°48'33.4296"W	0.66	0.00	8.52	
5703.00	4.380	74.770	5696.26	-49.91	53.32	147.70	662088.80	440439.92	32°12'35.2808"N	103°48'33.3492"W	0.60	-0.06	7.77	
5797.00	3.940	73.190	5790.01	-51.64	55.20	154.26	662095.35	440441.80	32°12'35.2990"N	103°48'33.2728"W	0.48	-0.47	-1.68	
5892.00	3.500	74.770	5884.81	-53.21	56.90	160.18	662101.27	440443.50	32°12'35.3156"N	103°48'33.2038"W	0.48	-0.46	1.66	
5986.00	3.060	72.660	5978.66	-54.59	58.41	165.35	662106.44	440445.00	32°12'35.3302"N	103°48'33.1436"W	0.49	-0.47	-2.24	
6081.00	2.750	73.710	6073.54	-55.88	59.80	169.95	662111.04	440446.40	32°12'35.3438"N	103°48'33.0899"W	0.33	-0.33	1.11	
6175.00	2.630	72.660	6167.43	-57.06	61.08	174.18	662115.27	440447.67	32°12'35.3562"N	103°48'33.0407"W	0.14	-0.13	-1.12	
6269.00	2.560	68.260	6261.34	-58.39	62.50	178.19	662119.27	440449.09	32°12'35.3701"N	103°48'32.9939"W	0.22	-0.07	-4.68	
6363.00	1.810	85.320	6355.27	-59.21	63.40	181.61	662122.70	440449.99	32°12'35.3788"N	103°48'32.9540"W	1.05	-0.80	18.15	
6458.00	1.560	87.600	6450.23	-59.32	63.57	184.40	662125.49	440450.17	32°12'35.3804"N	103°48'32.9215"W	0.27	-0.26	2.40	
6552.00	1.690	99.910	6544.19	-59.07	63.39	187.05	662128.13	440449.98	32°12'35.3785"N	103°48'32.8908"W	0.40	0.14	13.10	
6647.00	1.440	104.830	6639.15	-58.47	62.84	189.58	662130.67	440449.44	32°12'35.3730"N	103°48'32.8613"W	0.30	-0.26	5.18	
6740.00	1.250	101.660	6732.13	-57.91	62.34	191.70	662132.79	440448.93	32°12'35.3679"N	103°48'32.8366"W	0.22	-0.20	-3.41	
6834.00	0.940	91.120	6826.11	-57.65	62.11	193.48	662134.57	440448.71	32°12'35.3656"N	103°48'32.8160"W	0.39	-0.33	-11.21	
6928.00	0.810	100.780	6920.10	-57.48	61.97	194.90	662135.99	440448.57	32°12'35.3641"N	103°48'32.7994"W	0.21	-0.14	10.28	
7022.00	0.810	117.130	7014.09	-57.02	61.55	196.15	662137.23	440448.14	32°12'35.3598"N	103°48'32.7850"W	0.25	0.00	17.39	
7115.00	0.750	147.010	7107.08	-56.19	60.74	197.06	662138.15	440447.33	32°12'35.3518"N	103°48'32.7743"W	0.44	-0.06	32.13	
7209.00	0.750	147.970	7201.87	-55.17	59.73	197.77	662138.86	440446.33	32°12'35.3418"N	103°48'32.7662"W	0.06	0.00	-4.30	

WELLPATH DATA (240 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
7304.00	1.060	137.520	7296.06	-54.00	58.59	198.74	662139.82	440445.18	32°12'35.3304"N	103°48'32.7550"W	0.34	0.33	-5.74	
7398.00	0.880	148.420	7390.05	-52.73	57.33	199.70	662140.79	440443.93	32°12'35.3179"N	103°48'32.7438"W	0.27	-0.19	11.60	
7492.00	0.560	148.420	7484.04	-51.70	56.32	200.32	662141.41	440442.92	32°12'35.3079"N	103°48'32.7367"W	0.34	-0.34	0.00	
7587.00	0.750	224.710	7579.04	-50.87	55.49	200.12	662141.21	440442.08	32°12'35.2997"N	103°48'32.7390"W	0.87	0.20	80.31	
7681.00	0.940	201.860	7673.03	-49.74	54.33	199.40	662140.49	440440.93	32°12'35.2883"N	103°48'32.7474"W	0.41	0.20	-24.31	
7776.00	1.060	200.980	7768.01	-48.21	52.79	198.80	662139.89	440439.39	32°12'35.2730"N	103°48'32.7546"W	0.13	0.13	-0.93	
7870.00	1.190	213.640	7861.99	-46.60	51.16	197.95	662139.04	440437.76	32°12'35.2570"N	103°48'32.7646"W	0.30	0.14	13.47	
7964.00	1.190	199.050	7955.97	-44.89	49.43	197.09	662138.18	440436.03	32°12'35.2399"N	103°48'32.7747"W	0.32	0.00	-15.52	
8058.00	1.190	198.690	8049.95	-43.06	47.58	196.46	662137.55	440434.18	32°12'35.2216"N	103°48'32.7821"W	0.01	0.00	-0.38	
8152.00	1.380	190.610	8143.93	-41.03	45.55	195.94	662137.02	440432.14	32°12'35.2015"N	103°48'32.7883"W	0.28	0.20	-8.60	
8247.00	1.000	182.870	8238.91	-39.08	43.59	195.68	662136.77	440430.19	32°12'35.1822"N	103°48'32.7913"W	0.43	-0.40	-8.15	
8341.00	0.880	180.590	8332.90	-37.54	42.05	195.64	662136.72	440428.65	32°12'35.1669"N	103°48'32.7920"W	0.13	-0.13	-2.43	



Actual Wellpath Report

PLU 18 TWR #158H ST01 FINAL 15564' - 21262' Proj: 21286'

Page 4 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	PLU 18 TWR #158H ST01
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 18 TWR #158H	Wellbore	PLU 18 TWR #158H ST01
Slot	PLU 18 TWR #158H	Sidetrack from	PLU 18 TWR #158H AWP OH 189' - 16824' at 15340.00 MD

WELLPATH DATA (240 stations)														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
8434.00	1.060	196.230	8425.88	-36.01	40.51	195.39	662136.48	440427.11	32°12'35.1517"N	103°48'32.7950"W	0.34	0.19	16.82	
8528.00	1.440	194.300	8519.86	-34.04	38.53	194.85	662135.94	440425.13	32°12'35.1322"N	103°48'32.8013"W	0.41	0.40	-2.05	
8622.00	1.000	180.060	8613.84	-32.09	36.57	194.56	662135.65	440423.17	32°12'35.1127"N	103°48'32.8048"W	0.57	-0.47	-15.15	
8716.00	1.130	164.070	8707.82	-30.37	34.86	194.81	662135.90	440421.45	32°12'35.0958"N	103°48'32.8020"W	0.34	0.14	-17.01	
8809.00	1.250	164.420	8800.80	-28.50	33.00	195.34	662136.43	440419.60	32°12'35.0774"N	103°48'32.7960"W	0.13	0.13	0.38	
8904.00	0.880	162.130	8895.79	-26.80	31.30	195.84	662136.93	440417.90	32°12'35.0606"N	103°48'32.7902"W	0.39	-0.39	-2.41	
8998.00	0.750	166.000	8989.78	-25.50	30.02	196.21	662137.30	440416.62	32°12'35.0479"N	103°48'32.7860"W	0.15	-0.14	4.12	
9092.00	0.500	171.800	9083.77	-24.50	29.02	196.42	662137.51	440415.62	32°12'35.0379"N	103°48'32.7836"W	0.27	-0.27	6.17	
9186.00	0.310	294.500	9177.77	-24.20	28.72	196.25	662137.33	440415.32	32°12'35.0350"N	103°48'32.7857"W	0.76	-0.20	130.53	
9280.00	1.440	329.650	9271.76	-25.34	29.84	195.42	662136.50	440416.44	32°12'35.0461"N	103°48'32.7952"W	1.28	1.20	37.39	
9374.00	1.310	327.890	9365.73	-27.30	31.77	194.25	662135.34	440418.37	32°12'35.0653"N	103°48'32.8087"W	0.15	-0.14	-1.87	
9468.00	0.750	335.450	9459.72	-28.79	33.24	193.42	662134.51	440419.84	32°12'35.0799"N	103°48'32.8183"W	0.61	-0.60	8.04	
9562.00	0.500	317.170	9553.71	-29.66	34.10	192.89	662133.98	440420.70	32°12'35.0884"N	103°48'32.8244"W	0.34	-0.27	-19.45	
9655.00	0.310	314.360	9646.71	-30.14	34.58	192.43	662133.52	440421.17	32°12'35.0931"N	103°48'32.8297"W	0.21	-0.20	-3.02	
9748.00	0.250	98.320	9739.71	-30.29	34.72	192.45	662133.54	440421.32	32°12'35.0946"N	103°48'32.8295"W	0.57	-0.06	154.80	
9842.00	0.310	70.730	9833.71	-30.33	34.78	192.90	662133.98	440421.37	32°12'35.0951"N	103°48'32.8243"W	0.15	0.06	-29.35	
9937.00	0.250	52.620	9928.71	-30.53	34.99	193.30	662134.39	440421.58	32°12'35.0971"N	103°48'32.8195"W	0.11	-0.06	-19.06	
10031.00	0.190	113.970	10022.70	-30.59	35.05	193.61	662134.70	440421.65	32°12'35.0977"N	103°48'32.8160"W	0.25	-0.06	65.27	
10126.00	0.630	101.840	10117.70	-30.40	34.88	194.26	662135.35	440421.47	32°12'35.0960"N	103°48'32.8084"W	0.47	0.46	-12.77	
10220.00	0.880	106.940	10211.69	-30.06	34.56	195.46	662136.55	440421.16	32°12'35.0928"N	103°48'32.7945"W	0.28	0.27	5.43	
10314.00	1.060	120.820	10305.68	-29.37	33.90	196.90	662137.98	440420.50	32°12'35.0863"N	103°48'32.7778"W	0.31	0.19	14.77	
10408.00	0.810	129.960	10399.67	-28.47	33.03	198.15	662139.24	440419.63	32°12'35.0776"N	103°48'32.7632"W	0.31	-0.27	9.72	
10502.00	0.500	134.530	10493.66	-27.74	32.32	198.95	662140.04	440418.92	32°12'35.0705"N	103°48'32.7539"W	0.33	-0.33	4.86	
10596.00	0.440	225.590	10587.66	-27.20	31.78	198.99	662140.08	440418.38	32°12'35.0651"N	103°48'32.7535"W	0.72	-0.06	96.87	
10689.00	0.250	251.250	10680.66	-26.89	31.46	198.54	662139.63	440418.06	32°12'35.0620"N	103°48'32.7588"W	0.26	-0.20	27.59	
10783.00	0.380	51.570	10774.66	-27.02	31.59	198.59	662139.68	440418.19	32°12'35.0633"N	103°48'32.7582"W	0.66	0.14	170.55	
10876.00	0.810	20.800	10867.65	-27.81	32.40	199.07	662140.15	440418.99	32°12'35.0712"N	103°48'32.7526"W	0.56	0.46	-33.09	
10970.00	1.250	32.410	10961.64	-29.28	33.88	199.85	662140.94	440420.48	32°12'35.0859"N	103°48'32.7434"W	0.52	0.47	12.35	
11063.00	1.190	30.820	11054.62	-30.94	35.57	200.89	662141.98	440422.17	32°12'35.1025"N	103°48'32.7312"W	0.07	-0.06	-1.71	
11157.00	0.880	37.680	11148.60	-32.33	36.98	201.83	662142.92	440423.58	32°12'35.1164"N	103°48'32.7202"W	0.35	-0.33	7.30	
11252.00	0.880	39.090	11243.59	-33.45	38.12	202.74	662143.83	440424.72	32°12'35.1277"N	103°48'32.7096"W	0.02	0.00	1.48	
11345.00	0.690	42.250	11336.58	-34.40	39.09	203.57	662144.65	440425.69	32°12'35.1373"N	103°48'32.6999"W	0.21	-0.20	3.40	
11439.00	0.500	55.260	11430.58	-35.04	39.74	204.28	662145.37	440426.34	32°12'35.1437"N	103°48'32.6915"W	0.25	-0.20	13.84	

WELLPATH DATA (240 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
11532.00	0.310	48.230	11523.57	-35.43	40.14	204.80	662145.89	440426.74	32°12'35.1476"N	103°48'32.6854"W	0.21	-0.20	-7.56	
11626.00	0.190	69.320	11617.57	-35.64	40.37	205.14	662146.23	440426.96	32°12'35.1498"N	103°48'32.6815"W	0.16	-0.13	22.44	
11696.00	0.250	76.350	11687.57	-35.71	40.44	205.40	662146.48	440427.04	32°12'35.1506"N	103°48'32.6785"W	0.09	0.09	10.04	
11810.00	0.330	102.370	11801.57	-35.69	40.43	205.96	662147.05	440427.03	32°12'35.1504"N	103°48'32.6719"W	0.13	0.07	22.82	
11905.00	0.300	178.790	11896.57	-35.38	40.13	206.23	662147.32	440426.72	32°12'35.1474"N	103°48'32.6688"W	0.41	-0.03	80.44	
11952.00	2.460	183.570	11943.55	-34.25	39.00	206.17	662147.26	440425.59	32°12'35.1362"N	103°48'32.6696"W	4.60	4.60	10.17	
11999.00	5.660	180.650	11990.43	-30.92	35.67	206.08	662147.17	440422.27	32°12'35.1033"N	103°48'32.6708"W	6.82	6.81	-6.21	
12023.00	7.100	181.400	12014.28	-28.26	33.00	206.03	662147.12	440419.60	32°12'35.0769"N	103°48'32.6715"W	6.01	6.00	3.13	
12070.00	10.460	185.690	12060.72	-21.12	25.85	205.54	662146.63	440412.45	32°12'35.0062"N	103°48'32.6777"W	7.28	7.15	9.13	
12117.00	16.120	185.760	12106.45	-10.40	15.11	204.46	662145.55	440401.71	32°12'34.8999"N	103°48'32.6908"W	12.04	12.04	0.15	
12164.00	21.780	189.700	12150.88	4.64	0.01	202.33	662143.42	440386.61	32°12'34.7506"N	103°48'32.7164"W	12.34	12.04	8.38	
12212.00	27.340	190.690	12194.52	24.18	-19.62	198.79	662139.87	440366.98	32°12'34.5566"N	103°48'32.7588"W	11.61	11.58	2.06	



Actual Wellpath Report

PLU 18 TWR #158H ST01 FINAL 15564' - 21262' Proj: 21286'

Page 5 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	PLU 18 TWR #158H ST01
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 18 TWR #158H	Wellbore	PLU 18 TWR #158H ST01
Slot	PLU 18 TWR #158H	Sidetrack from	PLU 18 TWR #158H AWP OH 189' - 16824' at 15340.00 MD

WELLPATH DATA (240 stations)														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
12259.00	32.600	190.570	12235.22	47.14	-42.69	194.46	662135.55	440343.92	32°12'34.3285"N	103°48'32.8105"W	11.19	11.19	-0.26	
12306.00	38.500	186.170	12273.45	74.07	-69.70	190.56	662131.65	440316.90	32°12'34.0613"N	103°48'32.8574"W	13.68	12.55	-9.36	
12353.00	42.290	182.930	12309.24	104.35	-100.06	188.18	662129.27	440286.55	32°12'33.7611"N	103°48'32.8869"W	9.22	8.06	-6.89	
12400.00	45.950	182.240	12342.98	136.99	-132.74	186.71	662127.80	440253.87	32°12'33.4378"N	103°48'32.9058"W	7.85	7.79	-1.47	
12447.00	49.060	181.890	12374.73	171.58	-167.36	185.46	662126.55	440219.25	32°12'33.0952"N	103°48'32.9223"W	6.64	6.62	-0.74	
12495.00	52.710	181.530	12405.00	208.77	-204.58	184.35	662125.44	440182.03	32°12'32.7269"N	103°48'32.9373"W	7.63	7.60	-0.75	
12542.00	56.060	181.090	12432.37	246.93	-242.78	183.48	662124.57	440143.84	32°12'32.3491"N	103°48'32.9496"W	7.17	7.13	-0.94	
12589.00	59.020	180.400	12457.59	286.56	-282.43	182.97	662124.06	440104.19	32°12'31.9567"N	103°48'32.9578"W	6.42	6.30	-1.47	
12636.00	63.120	179.730	12480.32	327.67	-323.55	182.93	662124.02	440063.07	32°12'31.5498"N	103°48'32.9606"W	8.81	8.72	-1.43	
12683.00	66.490	179.160	12500.33	370.19	-366.07	183.35	662124.43	440020.55	32°12'31.1290"N	103°48'32.9582"W	7.25	7.17	-1.21	
12777.00	77.070	181.200	12529.68	459.31	-455.23	183.02	662124.11	439931.40	32°12'30.2468"N	103°48'32.9671"W	11.44	11.26	2.17	
12870.00	87.800	181.160	12541.91	551.28	-547.26	181.12	662122.21	439839.37	32°12'29.3362"N	103°48'32.9944"W	11.54	11.54	-0.04	
12965.00	89.780	181.830	12543.91	646.14	-642.20	178.64	662119.73	439744.44	32°12'28.3968"N	103°48'33.0286"W	2.20	2.08	0.71	
13085.00	89.160	181.640	12545.02	765.96	-762.14	175.01	662116.10	439624.51	32°12'27.2101"N	103°48'33.0777"W	0.54	-0.52	-0.16	
13178.00	91.750	182.580	12544.28	858.78	-855.07	171.59	662112.68	439531.59	32°12'26.2908"N	103°48'33.1228"W	2.96	2.78	1.01	
13272.00	91.040	181.040	12541.99	952.61	-948.99	168.62	662109.71	439437.67	32°12'25.3615"N	103°48'33.1627"W	1.80	-0.76	-1.64	
13366.00	89.290	182.370	12541.72	1046.48	-1042.94	165.82	662106.91	439343.72	32°12'24.4320"N	103°48'33.2005"W	2.34	-1.86	1.41	
13460.00	89.090	179.020	12543.05	1140.40	-1136.91	164.68	662105.77	439249.76	32°12'23.5022"N	103°48'33.2191"W	3.57	-0.21	-3.56	
13554.00	88.190	176.870	12545.28	1234.36	-1230.82	168.05	662109.14	439155.86	32°12'22.5728"N	103°48'33.1853"W	2.48	-0.96	-2.29	
13648.00	89.130	177.920	12547.48	1328.30	-1324.69	172.32	662113.41	439061.99	32°12'21.6436"N	103°48'33.1409"W	1.50	1.00	1.12	
13742.00	89.970	176.830	12548.22	1422.27	-1418.59	176.63	662117.72	438968.10	32°12'20.7143"N	103°48'33.0961"W	1.46	0.89	-1.16	
13836.00	88.660	176.530	12549.34	1516.21	-1512.42	182.07	662123.16	438874.27	32°12'19.7855"N	103°48'33.0381"W	1.43	-1.39	-0.32	
13930.00	90.640	176.120	12549.92	1610.12	-1606.22	188.10	662129.18	438780.48	32°12'18.8570"N	103°48'32.9733"W	2.15	2.11	-0.44	
14024.00	88.920	176.420	12550.28	1704.03	-1700.02	194.21	662135.30	438686.69	32°12'17.9286"N	103°48'32.9075"W	1.86	-1.83	0.32	
14118.00	90.670	177.290	12550.62	1797.98	-1793.87	199.37	662140.45	438592.84	32°12'16.9996"N	103°48'32.8528"W	2.08	1.86	0.93	
14213.00	90.870	180.480	12549.34	1892.96	-1888.83	201.22	662142.30	438497.88	32°12'16.0598"N	103°48'32.8366"W	3.36	0.21	3.36	
14306.00	89.500	180.100	12549.04	1985.92	-1981.83	200.74	662141.83	438404.89	32°12'15.1396"N	103°48'32.8474"W	1.53	-1.47	-0.41	
14400.00	89.830	179.870	12549.59	2079.89	-2075.83	200.77	662141.86	438310.90	32°12'14.2095"N	103°48'32.8524"W	0.43	0.35	-0.24	
14493.00	89.090	179.750	12550.46	2172.87	-2168.82	201.08	662142.16	438217.91	32°12'13.2893"N	103°48'32.8541"W	0.81	-0.80	-0.13	
14588.00	89.230	179.710	12551.86	2267.84	-2263.81	201.53	662142.61	438122.93	32°12'12.3493"N	103°48'32.8543"W	0.15	0.15	-0.04	
14682.00	89.630	179.490	12552.79	2361.83	-2357.80	202.18	662143.27	438028.94	32°12'11.4192"N	103°48'32.8520"W	0.49	0.43	-0.23	
14776.00	89.090	178.420	12553.84	2455.82	-2451.78	203.90	662144.98	437934.97	32°12'10.4891"N	103°48'32.8374"W	1.27	-0.57	-1.14	
14870.00	88.790	178.530	12555.58	2549.80	-2545.73	206.40	662147.48	437841.03	32°12'9.5593"N	103°48'32.8136"W	0.34	-0.32	0.12	

WELLPATH DATA (240 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
14964.00	91.170	182.010	12555.61	2643.75	-2639.71	205.95	662147.04	437747.06	32°12'8.6294"N	103°48'32.8241"W	4.48	2.53	3.70	
15057.00	90.610	184.170	12554.17	2736.45	-2732.56	200.94	662142.03	437654.21	32°12'7.7109"N	103°48'32.8877"W	2.40	-0.60	2.32	
15152.00	90.470	184.060	12553.27	2831.02	-2827.31	194.12	662135.21	437559.47	32°12'6.7736"N	103°48'32.9724"W	0.19	-0.15	-0.12	
15246.00	88.620	182.630	12554.02	2924.70	-2921.14	188.64	662129.73	437465.65	32°12'5.8454"N	103°48'33.0416"W	2.49	-1.97	-1.52	
15340.00	89.460	180.510	12555.60	3018.56	-3015.08	186.07	662127.15	437371.71	32°12'4.9159"N	103°48'33.0769"W	2.43	0.89	-2.26	
15373.00	88.520	178.780	12556.18	3051.55	-3048.08	186.27	662127.36	437338.72	32°12'4.5894"N	103°48'33.0763"W	5.97	-2.85	-5.24	
15390.00	88.080	177.810	12556.68	3068.54	-3065.06	186.78	662127.86	437321.73	32°12'4.4213"N	103°48'33.0714"W	6.26	-2.59	-5.71	
15405.00	87.140	177.530	12557.31	3083.53	-3080.04	187.39	662128.47	437306.76	32°12'4.2731"N	103°48'33.0652"W	6.54	-6.27	-1.87	
15498.00	93.160	174.030	12557.06	3176.35	-3172.73	194.22	662135.31	437214.07	32°12'3.3556"N	103°48'32.9909"W	7.49	6.47	-3.76	
15564.00	91.950	175.070	12554.12	3242.11	-3238.36	200.49	662141.57	437148.44	32°12'2.7058"N	103°48'32.9217"W	2.42	-1.83	1.58	Sidetrack Tie on 15564'
15629.00	88.830	173.560	12553.68	3306.91	-3303.03	206.92	662148.01	437083.78	32°12'2.0656"N	103°48'32.8505"W	5.33	-4.80	-2.32	
15723.00	91.630	174.260	12553.30	3400.58	-3396.49	216.89	662157.98	436990.33	32°12'1.1403"N	103°48'32.7397"W	3.07	2.98	0.74	



Actual Wellpath Report

PLU 18 TWR #158H ST01 FINAL 15564' - 21262' Proj: 21286'

Page 6 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	PLU 18 TWR #158H ST01
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 18 TWR #158H	Wellbore	PLU 18 TWR #158H ST01
Slot	PLU 18 TWR #158H	Sidetrack from	PLU 18 TWR #158H AWP OH 189' - 16824' at 15340.00 MD

WELLPATH DATA (240 stations)														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
15817.00	89.140	173.690	12552.67	3494.25	-3489.96	226.76	662167.85	436896.86	32°12'0.2149"N	103°48'32.6302"W	2.72	-2.65	-0.61	
15911.00	92.000	173.960	12551.74	3587.90	-3583.40	236.87	662177.96	436803.43	32°11'59.2898"N	103°48'32.5179"W	3.06	3.04	0.29	
16005.00	90.250	174.330	12549.89	3681.58	-3676.89	246.46	662187.54	436709.94	32°11'58.3642"N	103°48'32.4116"W	1.90	-1.86	0.39	
16099.00	89.540	176.290	12550.06	3775.41	-3770.57	254.14	662195.23	436616.27	32°11'57.4368"N	103°48'32.3275"W	2.22	-0.76	2.09	
16194.00	89.660	178.710	12550.73	3870.38	-3865.47	258.29	662199.37	436521.38	32°11'56.4976"N	103°48'32.2847"W	2.55	0.13	2.55	
16288.00	89.480	180.010	12551.43	3964.37	-3959.46	259.34	662200.42	436427.39	32°11'55.5674"N	103°48'32.2778"W	1.40	-0.19	1.38	
16382.00	91.480	181.910	12550.64	4058.28	-4053.43	257.76	662198.84	436333.42	32°11'54.6376"N	103°48'32.3014"W	2.93	2.13	2.02	
16477.00	89.380	183.180	12549.93	4153.06	-4148.33	253.54	662194.63	436238.53	32°11'53.6988"N	103°48'32.3559"W	2.58	-2.21	1.34	
16571.00	89.880	184.840	12550.54	4246.65	-4242.09	246.97	662188.05	436144.78	32°11'52.7713"N	103°48'32.4377"W	1.84	0.53	1.77	
16664.00	91.600	185.390	12549.34	4339.05	-4334.71	238.68	662179.76	436052.16	32°11'51.8552"N	103°48'32.5394"W	1.94	1.85	0.59	
16759.00	88.980	187.260	12548.86	4433.19	-4429.12	228.22	662169.30	435957.76	32°11'50.9215"N	103°48'32.6666"W	3.39	-2.76	1.97	
16853.00	89.780	184.260	12549.87	4526.46	-4522.63	218.78	662159.87	435864.26	32°11'49.9966"N	103°48'32.7816"W	3.30	0.85	-3.19	
16947.00	90.060	182.050	12550.00	4620.17	-4616.48	213.61	662154.70	435770.41	32°11'49.0682"N	103°48'32.8472"W	2.37	0.30	-2.35	
17042.00	89.080	182.990	12550.72	4714.95	-4711.38	209.43	662150.52	435675.52	32°11'48.1293"N	103°48'32.9012"W	1.43	-1.03	0.99	
17136.00	88.980	180.440	12552.31	4808.80	-4805.32	206.62	662147.71	435581.58	32°11'47.1999"N	103°48'32.9392"W	2.71	-0.11	-2.71	
17230.00	91.760	180.520	12551.70	4902.74	-4899.30	205.83	662146.92	435487.60	32°11'46.2699"N	103°48'32.9537"W	2.96	2.96	0.09	
17323.00	87.530	178.440	12552.28	4995.70	-4992.27	206.68	662147.76	435394.64	32°11'45.3499"N	103°48'32.9492"W	5.07	-4.55	-2.24	
17418.00	85.710	179.110	12557.88	5090.53	-5087.08	208.70	662149.79	435299.84	32°11'44.4116"N	103°48'32.9310"W	2.04	-1.92	0.71	
17512.00	86.700	178.830	12564.10	5184.32	-5180.86	210.39	662151.48	435206.07	32°11'43.4836"N	103°48'32.9166"W	1.09	1.05	-0.30	
17606.00	88.950	181.170	12567.67	5278.22	-5274.78	210.39	662151.48	435112.15	32°11'42.5542"N	103°48'32.9220"W	3.45	2.39	2.49	
17700.00	89.260	181.040	12569.14	5372.12	-5368.75	208.58	662149.66	435018.19	32°11'41.6244"N	103°48'32.9484"W	0.36	0.33	-0.14	
17794.00	90.950	181.830	12568.96	5466.01	-5462.71	206.22	662147.31	434924.23	32°11'40.6947"N	103°48'32.9811"W	1.98	1.80	0.84	
17888.00	90.460	181.460	12567.81	5559.88	-5556.67	203.52	662144.61	434830.28	32°11'39.7651"N	103°48'33.0179"W	0.65	-0.52	-0.39	
17982.00	89.170	181.620	12568.11	5653.76	-5650.63	201.00	662142.09	434736.32	32°11'38.8354"N	103°48'33.0526"W	1.38	-1.37	0.17	
18076.00	91.290	182.940	12567.73	5747.56	-5744.55	197.26	662138.35	434642.41	32°11'37.9063"N	103°48'33.1014"W	2.66	2.26	1.40	
18170.00	91.910	181.350	12565.11	5841.35	-5838.44	193.74	662134.83	434548.52	32°11'36.9773"N	103°48'33.1477"W	1.81	0.66	-1.69	
18263.00	87.750	178.590	12565.38	5934.30	-5931.41	193.79	662134.88	434455.56	32°11'36.0573"N	103°48'33.1524"W	5.37	-4.47	-2.97	
18357.00	88.490	176.480	12568.47	6028.22	-6025.27	197.83	662138.92	434361.71	32°11'35.1284"N	103°48'33.1107"W	2.38	0.79	-2.24	
18451.00	87.940	177.220	12571.40	6122.13	-6119.08	202.99	662144.08	434267.90	32°11'34.1998"N	103°48'33.0559"W	0.98	-0.59	0.79	
18545.00	89.200	178.990	12573.74	6216.09	-6212.99	206.10	662147.19	434174.00	32°11'33.2704"N	103°48'33.0251"W	2.31	1.34	1.88	
18639.00	90.950	181.250	12573.62	6310.05	-6306.98	205.90	662146.99	434080.01	32°11'32.3403"N	103°48'33.0327"W	3.04	1.86	2.40	
18733.00	90.920	182.490	12572.09	6403.89	-6400.92	202.84	662143.92	433986.08	32°11'31.4109"N	103°48'33.0737"W	1.32	-0.03	1.32	
18827.00	90.520	181.800	12570.90	6497.71	-6494.84	199.24	662140.32	433892.17	32°11'30.4817"N	103°48'33.1210"W	0.76	-0.43	-0.63	

WELLPATH DATA (240 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
18921.00	87.410	180.600	12572.60	6591.58	-6588.79	197.19	662138.27	433798.22	32°11'29.5521"N	103°48'33.1501"W	3.59	-3.31	-1.38	
19016.00	88.150	179.810	12576.28	6686.48	-6683.72	196.85	662137.93	433703.30	32°11'28.6128"N	103°48'33.1595"W	1.14	0.78	-0.83	
19110.00	93.140	181.050	12575.22	6780.40	-6777.68	196.14	662137.23	433609.35	32°11'27.6831"N	103°48'33.1730"W	5.47	5.31	1.32	
19204.00	92.430	180.280	12570.66	6874.23	-6871.56	195.05	662136.14	433515.47	32°11'26.7541"N	103°48'33.1910"W	1.11	-0.76	-0.82	
19298.00	91.970	179.400	12567.05	6968.14	-6965.49	195.32	662136.40	433421.55	32°11'25.8247"N	103°48'33.1933"W	1.06	-0.49	-0.94	
19392.00	90.030	178.850	12565.41	7062.12	-7059.46	196.75	662137.84	433327.59	32°11'24.8947"N	103°48'33.1819"W	2.15	-2.06	-0.59	
19484.00	90.950	179.130	12564.62	7154.11	-7151.44	198.37	662139.46	433235.61	32°11'23.9845"N	103°48'33.1683"W	1.05	1.00	0.30	
19579.00	89.880	179.820	12563.93	7249.10	-7246.43	199.24	662140.33	433140.62	32°11'23.0444"N	103°48'33.1635"W	1.34	-1.13	0.73	
19673.00	89.140	179.270	12564.74	7343.08	-7340.42	199.99	662141.08	433046.64	32°11'22.1143"N	103°48'33.1602"W	0.98	-0.79	-0.59	
19767.00	89.290	179.600	12566.03	7437.06	-7434.41	200.92	662142.00	432952.66	32°11'21.1842"N	103°48'33.1547"W	0.39	0.16	0.35	
19862.00	89.780	179.530	12566.80	7532.05	-7529.40	201.64	662142.72	432857.67	32°11'20.2442"N	103°48'33.1517"W	0.52	0.52	-0.07	
19956.00	89.750	180.460	12567.18	7626.02	-7623.40	201.65	662142.73	432763.68	32°11'19.3140"N	103°48'33.1569"W	0.99	-0.03	0.99	



Actual Wellpath Report

PLU 18 TWR #158H ST01 FINAL 15564' - 21262' Proj: 21286'

Page 7 of 7



REFERENCE WELLPATH IDENTIFICATION			
Operator	XTO Energy Inc.	Well	PLU 18 TWR #158H ST01
Field	Wolfcamp (Eddy Co., NM)	API/Legal	
Facility	PLU 18 TWR #158H	Wellbore	PLU 18 TWR #158H ST01
Slot	PLU 18 TWR #158H	Sidetrack from	PLU 18 TWR #158H AWP OH 189' - 16824' at 15340.00 MD

WELLPATH DATA (240 stations) † = interpolated, ‡ = extrapolated station														
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
20050.00	90.090	180.490	12567.31	7719.98	-7717.40	200.87	662141.95	432669.69	32°11'18.3839"N	103°48'33.1713"W	0.36	0.36	0.03	
20144.00	90.710	179.130	12566.66	7813.95	-7811.39	201.18	662142.27	432575.70	32°11'17.4538"N	103°48'33.1730"W	1.59	0.66	-1.45	
20238.00	91.630	179.020	12564.74	7907.93	-7905.36	202.70	662143.78	432481.74	32°11'16.5239"N	103°48'33.1607"W	0.99	0.98	-0.12	
20333.00	89.970	177.500	12563.41	8002.91	-8000.30	205.58	662146.67	432386.80	32°11'15.5843"N	103°48'33.1325"W	2.37	-1.75	-1.60	
20427.00	88.280	179.050	12564.85	8096.89	-8094.24	208.41	662149.50	432292.87	32°11'14.6546"N	103°48'33.1049"W	2.44	-1.80	1.65	
20521.00	88.460	180.130	12567.52	8190.84	-8188.20	209.08	662150.17	432198.91	32°11'13.7248"N	103°48'33.1024"W	1.16	0.19	1.15	
20616.00	88.490	180.720	12570.05	8285.76	-8283.16	208.38	662149.46	432103.96	32°11'12.7851"N	103°48'33.1160"W	0.62	0.03	0.62	
20710.00	89.170	179.620	12571.97	8379.71	-8377.14	208.10	662149.18	432009.99	32°11'11.8552"N	103°48'33.1246"W	1.38	0.72	-1.17	
20804.00	89.480	179.400	12573.08	8473.69	-8471.13	208.90	662149.99	431916.00	32°11'10.9251"N	103°48'33.1206"W	0.40	0.33	-0.23	
20898.00	92.030	180.310	12571.84	8567.66	-8565.11	209.14	662150.23	431822.02	32°11'9.9951"N	103°48'33.1231"W	2.88	2.71	0.97	
20992.00	89.420	180.380	12570.65	8661.60	-8659.10	208.57	662149.66	431728.05	32°11'9.0651"N	103°48'33.1350"W	2.78	-2.78	0.07	
21086.00	90.990	179.180	12570.31	8755.58	-8753.09	208.93	662150.02	431634.06	32°11'8.1350"N	103°48'33.1362"W	2.10	1.67	-1.28	
21168.00	89.570	178.540	12569.91	8837.58	-8835.07	210.57	662151.65	431552.08	32°11'7.3237"N	103°48'33.1218"W	1.90	-1.73	-0.78	
21262.00	89.570	181.060	12570.62	8931.55	-8929.06	210.89	662151.98	431458.10	32°11'6.3936"N	103°48'33.1233"W	2.68	0.00	2.68	Lateral MWD Surveys 15564' - 21262'
21286.00†	89.570	181.060	12570.80	8955.53	-8953.06	210.45	662151.54	431434.11	32°11'6.1562"N	103°48'33.1299"W	0.00	0.00	0.00	Projection to TD @ 21286'

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
PLU 18 TWR #158H ST01 BHL	12551.00	-10258.54	235.81	662176.90	430128.70	32°10'53.2366"N	103°48'32.9088"W	point
PLU 18 TWR #158H ST01 LTP	12551.00	-10128.54	234.91	662176.00	430258.70	32°10'54.5231"N	103°48'32.9119"W	point

WELLPATH COMPOSITION - Ref Wellbore: PLU 18 TWR #158H ST01 Ref Wellpath: PLU 18 TWR #158H ST01 FINAL 15564' - 21262' Proj: 21286'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
32.50	15340.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	Scientific Surveys 189' - 16824'	PLU 18 TWR #158H	27/Jun/2020
15340.00	15564.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	Scientific ST surveys 15340' - 15564'	PLU 18 TWR #158H ST01	29/Jun/2020

WELLPATH COMPOSITION - Ref Wellbore: PLU 18 TWR #158H ST01 Ref Wellpath: PLU 18 TWR #158H ST01 FINAL 15564' - 21262' Proj: 21286'					
Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
15564.00	21286.00	OWSG MWD rev2 + IFR1 + Multi-Station Correction	Baker MWD Surveys 15564' - 21262'	PLU 18 TWR #158H ST01	03/Aug/2020

Submit a Copy To Appropriate District Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-46553
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☐ FEE ☐ Fed X
2. Name of Operator XTO Permian Operating LLC.		6. State Oil & Gas Lease No.
3. Address of Operator 6401 Holiday Hill Road Building 5, Midland, TX 79707		7. Lease Name or Unit Agreement Name Poker Lake Unit 18 TWR
4. Well Location Unit Letter <u>A</u> : <u>105</u> feet from the <u>North</u> line and <u>566</u> feet from the <u>East</u> line Section <u>19</u> Township <u>24S</u> Range <u>31E</u> NMPM County <u>Eddy</u>		8. Well Number 158H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3498 GL		9. OGRID Number <u>373075</u>
		10. Pool name or Wildcat PURPLE SAGE; WOLFCAMP (GAS)

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
OTHER: ☐	OTHER: Completions Sundry ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

XTO PERMIAN OPERATING LLC respectfully submits this sundry notice to report the completion operations of the referenced well.

KOP @ depth 11,906 ft.
 PBDT = 21,275 ft.2/4/22 Run RCB/GR/CCL
 3/19/22 Pressure test 5 in csg to 8,553 psi for 30min test good, open sleeve.
 5/5/22 Perf and frac 41 stages, 984 total shots, from 12,961 to 21,141 using 438,358 bbls of fluid and 20,507,597 lbs Proppant. Tag and drill out plugs.
 6/23/22 Run 2-7/8 L-80 6.5# tubing set at 11,912 ft.
 6/23/22 Packer setting depth 11,897 ft.
 Ready Date: 7/10/2022
 First Production: 7/11/2022

Spud Date:

4/28/2020

Rig Release Date:

7/16/2020

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Amanda Thames TITLE Regulatory Analyst DATE 8/2/2022

Type or print name Amanda Thames E-mail address: amanda.thames@exxonmobil.com PHONE: 432-221-7340

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505				Form C-105 Revised April 3, 2017				
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								5. Lease Name or Unit Agreement Name POKER LAKE UNIT 18 TWR		
								6. Well Number: 158H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator XTO PERMIAN OPERATING LLC.						9. OGRID 373075				
10. Address of Operator 6401 HOLIDAY HILL RD BLDG #5, MIDLAND TX 79707						11. Pool name or Wildcat PURPLE SAGE;WOLFCAMP (GAS)				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	A	19	24S	31E		105	North	566	East	Eddy
BH:	I	30	24S	31E		1506	South	417	East	Eddy
13. Date Spudded 4/28/2020	14. Date T.D. Reached 7/13/2020		15. Date Rig Released 7/16/2020		16. Date Completed (Ready to Produce) 7/10/2022			17. Elevations (DF and RKB, RT, GR, etc.) 3498' GL		
18. Total Measured Depth of Well 21,286			19. Plug Back Measured Depth 21,275		20. Was Directional Survey Made? Yes			21. Type Electric and Other Logs Run CBL		
22. Producing Interval(s), of this completion - Top, Bottom, Name 12,961 TO 21,141 PURPLE SAGE;WOLFCAMP (GAS)										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13 3/8"		68.0		935		17 1/2"		1,148		
9 5/8"		40.0		11,757		12 1/4"		1,265		
5 1/2"		23.0		21,277		8 1/2"		3,445		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET	PACKER SET		
						2 7/8"	11,912	11,897		
26. Perforation record (interval, size, and number) 12,961 TO 21,141, 2spf, 984 Total Shots 41 stages						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						12,961 TO 21,141		438,358 bbl fluid + 20,507,598 lbs Proppant		
28. PRODUCTION										
Date First Production 7/11/22		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing				
Date of Test 7/11/22	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 3369	Gas - MCF 5918	Water - Bbl. 4900	Gas - Oil Ratio 1,757			
Flow Tubing Press. 1096	Casing Pressure 65	Calculated 24-Hour Rate	Oil - Bbl. 3369	Gas - MCF 5918	Water - Bbl. 4900	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold							30. Test Witnessed By			
31. List Attachments C-104 NW, C-102 & Supplement , Directional Survey (Log uploaded to NMOCD)										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date:			
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude			Longitude			NAD83				
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature <i>Amanda Thames</i>			Printed Name Amanda Thames		Title Regulatory Analyst			Date 8/2/2022		
E-mail Address amanda.thames@exxonmobil.com										

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt 956'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 4,076'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand 4,276'	T. Morrison	
T. Drinkard	T. Bone Springs 8,151'	T. Todilto	
T. Abo	T. Rustler 611'	T. Entrada	
T. Wolfcamp 11,506'	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

ACKNOWLEDGMENTS

Action 130703

ACKNOWLEDGMENTS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 130703
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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CONDITIONS

Action 130703

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	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	Submit Change of Plans NOI for change of Bottomhole Location	10/2/2025