

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 Resources

Form C-104
Revised August 1, 2011

Oil 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 - 015-45880	⁵ Pool Name PURPLE SAGE; WOLFCAMP (GAS)	⁶ Pool Code 98220
⁷ Property Code 325388	⁸ Property Name POKER LAKE UNIT 29 BS	⁹ Well Number 128H

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
H	29	25S	31E		2310	North	630	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
P	32	25S	31E		239	South	331	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
373075	XTO Permian Operating	Gas
34053	Plains Marketing, LP	Oil
005380	XTO Energy	Water

IV. Well Completion Data

²¹ Spud Date 1/29/2021	²² Ready Date 7/2/2021	²³ TD 19358 MD 11477 TVD	²⁴ PBT 19346 MD 11477 TVD	²⁵ Perforations 12,000 - 19,200	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
14.75	11.75	1112	1030		
8.75	7.625	10828	1350		
6.75	5.0	19348	915		

V. Well Test Data

³¹ Date New Oil 7/3/21	³² Gas Delivery Date 7/10/21	³³ Test Date 7/10/21	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 1147	³⁶ Csg. Pressure 1222
³⁷ Choke Size	³⁸ Oil 2271	³⁹ Water 5911	⁴⁰ Gas 5749		⁴¹ Test Method 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: *Cassie Evans*

Printed name: **Cassie Evans**

Title: **Regulatory Analyst**

E-mail Address: **cassie.evans@exxonmobil.com**

Date: **08/17/21**

Phone:

OIL CONSERVATION DIVISION

Approved by: **KURT SIMMONS**

Title: **NMOCD, SANTA FE**

Approval Date: **10/04/2021**

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

AS-DRILLED PLAT

¹ API Number 30-015-45880	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)
⁴ Property Code 325388	⁵ Property Name POKER LAKE UNIT 29 BS	⁶ Well Number 128H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,337'

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
H	29	25 S	31 E		2,310	NORTH	630	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	32	25 S	31 E		239	SOUTH	331	EAST	EDDY

¹² Dedicated Acres 800	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

16	<table border="0"> <tr> <td> SHL (NAD83 NME) Y = 401,341.7 X = 708,412.9 LAT. = 32.102218 °N LONG. = 103.793764 °W KOP (NAD83 NME) Y = 401,371.0 X = 708,706.3 LAT. = 32.102295 °N LONG. = 103.792816 °W FTP (NAD83 NME) Y = 400,623.7 X = 708,701.5 LAT. = 32.100241 °N LONG. = 103.792843 °W CORNER COORDINATES (NAD83 NME) A - Y = 401,001.6 N , X = 709,043.1 E B - Y = 400,992.8 N , X = 707,713.2 E C - Y = 398,348.5 N , X = 709,032.9 E D - Y = 398,341.4 N , X = 707,700.8 E E - Y = 395,690.8 N , X = 709,049.4 E F - Y = 395,681.1 N , X = 707,717.4 E G - Y = 393,038.4 N , X = 709,066.3 E H - Y = 393,027.2 N , X = 707,734.2 E SHL (NAD27 NME) Y = 401,283.8 X = 667,227.2 LAT. = 32.102094 °N LONG. = 103.793286 °W KOP (NAD27 NME) Y = 401,313.1 X = 667,520.7 LAT. = 32.102170 °N LONG. = 103.792338 °W FTP (NAD27 NME) Y = 400,565.9 X = 667,515.8 LAT. = 32.100116 °N LONG. = 103.792365 °W CORNER COORDINATES (NAD27 NME) A - Y = 400,943.7 N , X = 667,857.4 E B - Y = 400,934.9 N , X = 666,527.5 E C - Y = 398,290.7 N , X = 667,847.1 E D - Y = 398,283.5 N , X = 666,515.0 E E - Y = 395,633.1 N , X = 667,863.5 E F - Y = 395,623.3 N , X = 666,531.6 E G - Y = 392,980.7 N , X = 667,880.3 E H - Y = 392,969.5 N , X = 666,548.3 E </td> <td> LTP (NAD83 NME) Y = 393,432.8 X = 708,731.0 LAT. = 32.080474 °N LONG. = 103.792865 °W BHL (NAD83 NME) Y = 393,274.8 X = 708,733.5 LAT. = 32.080039 °N LONG. = 103.792859 °W LTP (NAD27 NME) Y = 393,375.1 X = 667,545.0 LAT. = 32.080349 °N LONG. = 103.792388 °W BHL (NAD27 NME) Y = 393,217.1 X = 667,547.5 LAT. = 32.079915 °N LONG. = 103.792382 °W </td> </tr> </table>	SHL (NAD83 NME) Y = 401,341.7 X = 708,412.9 LAT. = 32.102218 °N LONG. = 103.793764 °W KOP (NAD83 NME) Y = 401,371.0 X = 708,706.3 LAT. = 32.102295 °N LONG. = 103.792816 °W FTP (NAD83 NME) Y = 400,623.7 X = 708,701.5 LAT. = 32.100241 °N LONG. = 103.792843 °W CORNER COORDINATES (NAD83 NME) A - Y = 401,001.6 N , X = 709,043.1 E B - Y = 400,992.8 N , X = 707,713.2 E C - Y = 398,348.5 N , X = 709,032.9 E D - Y = 398,341.4 N , X = 707,700.8 E E - Y = 395,690.8 N , X = 709,049.4 E F - Y = 395,681.1 N , X = 707,717.4 E G - Y = 393,038.4 N , X = 709,066.3 E H - Y = 393,027.2 N , X = 707,734.2 E SHL (NAD27 NME) Y = 401,283.8 X = 667,227.2 LAT. = 32.102094 °N LONG. = 103.793286 °W KOP (NAD27 NME) Y = 401,313.1 X = 667,520.7 LAT. = 32.102170 °N LONG. = 103.792338 °W FTP (NAD27 NME) Y = 400,565.9 X = 667,515.8 LAT. = 32.100116 °N LONG. = 103.792365 °W CORNER COORDINATES (NAD27 NME) A - Y = 400,943.7 N , X = 667,857.4 E B - Y = 400,934.9 N , X = 666,527.5 E C - Y = 398,290.7 N , X = 667,847.1 E D - Y = 398,283.5 N , X = 666,515.0 E E - Y = 395,633.1 N , X = 667,863.5 E F - Y = 395,623.3 N , X = 666,531.6 E G - Y = 392,980.7 N , X = 667,880.3 E H - Y = 392,969.5 N , X = 666,548.3 E	LTP (NAD83 NME) Y = 393,432.8 X = 708,731.0 LAT. = 32.080474 °N LONG. = 103.792865 °W BHL (NAD83 NME) Y = 393,274.8 X = 708,733.5 LAT. = 32.080039 °N LONG. = 103.792859 °W LTP (NAD27 NME) Y = 393,375.1 X = 667,545.0 LAT. = 32.080349 °N LONG. = 103.792388 °W BHL (NAD27 NME) Y = 393,217.1 X = 667,547.5 LAT. = 32.079915 °N LONG. = 103.792382 °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. <i>Cassie Evans</i> 08/17/21 Signature Date Cassie Evans Printed Name cassie.evans@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. 8-9-2021 Date of Survey Signature and Seal of Professional Surveyor: <i>Mark Dillon Harp</i> MARK DILLON HARP 23786 Certificate Number JC 2017071020
SHL (NAD83 NME) Y = 401,341.7 X = 708,412.9 LAT. = 32.102218 °N LONG. = 103.793764 °W KOP (NAD83 NME) Y = 401,371.0 X = 708,706.3 LAT. = 32.102295 °N LONG. = 103.792816 °W FTP (NAD83 NME) Y = 400,623.7 X = 708,701.5 LAT. = 32.100241 °N LONG. = 103.792843 °W CORNER COORDINATES (NAD83 NME) A - Y = 401,001.6 N , X = 709,043.1 E B - Y = 400,992.8 N , X = 707,713.2 E C - Y = 398,348.5 N , X = 709,032.9 E D - Y = 398,341.4 N , X = 707,700.8 E E - Y = 395,690.8 N , X = 709,049.4 E F - Y = 395,681.1 N , X = 707,717.4 E G - Y = 393,038.4 N , X = 709,066.3 E H - Y = 393,027.2 N , X = 707,734.2 E SHL (NAD27 NME) Y = 401,283.8 X = 667,227.2 LAT. = 32.102094 °N LONG. = 103.793286 °W KOP (NAD27 NME) Y = 401,313.1 X = 667,520.7 LAT. = 32.102170 °N LONG. = 103.792338 °W FTP (NAD27 NME) Y = 400,565.9 X = 667,515.8 LAT. = 32.100116 °N LONG. = 103.792365 °W CORNER COORDINATES (NAD27 NME) A - Y = 400,943.7 N , X = 667,857.4 E B - Y = 400,934.9 N , X = 666,527.5 E C - Y = 398,290.7 N , X = 667,847.1 E D - Y = 398,283.5 N , X = 666,515.0 E E - Y = 395,633.1 N , X = 667,863.5 E F - Y = 395,623.3 N , X = 666,531.6 E G - Y = 392,980.7 N , X = 667,880.3 E H - Y = 392,969.5 N , X = 666,548.3 E	LTP (NAD83 NME) Y = 393,432.8 X = 708,731.0 LAT. = 32.080474 °N LONG. = 103.792865 °W BHL (NAD83 NME) Y = 393,274.8 X = 708,733.5 LAT. = 32.080039 °N LONG. = 103.792859 °W LTP (NAD27 NME) Y = 393,375.1 X = 667,545.0 LAT. = 32.080349 °N LONG. = 103.792388 °W BHL (NAD27 NME) Y = 393,217.1 X = 667,547.5 LAT. = 32.079915 °N LONG. = 103.792382 °W			

Intent ☐ As Drilled ☒API #
30-015-45880

Operator Name: XTO PERMIAN OPERATING, LLC.	Property Name: POKER LAKE UNIT 29 BS	Well Number 128H
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Kick Off Point (KOP)

UL H	Section 29	Township 25S	Range 31E	Lot	Feet 2,283	From N/S FNL	Feet 336	From E/W FEL	County EDDY
Latitude 32.102295					Longitude 103.792816				NAD 83

First Take Point (FTP)

UL I	Section 29	Township 25S	Range 31E	Lot	Feet 2,277	From N/S FSL	Feet 340	From E/W FEL	County EDDY
Latitude 32.100241					Longitude 103.792843				NAD 83

Last Take Point (LTP)

UL P	Section 32	Township 25S	Range 31E	Lot	Feet 397	From N/S FSL	Feet 333	From E/W FEL	County EDDY
Latitude 32.080474					Longitude 103.792865				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 #

Operator Name:	Property Name:	Well Number
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KZ 06/29/2018



Measurement While Drilling (MWD) Survey Certification

State of: NM
County of: Eddy

I, Adam Wentworth, certify that; I am employed by GeoGuidance Drilling Services, Inc.; that I did on the day(s) of 01/29/2021 through 03/10/2021 conduct or supervise the taking of a directional MWD survey from a depth of 196 feet to a depth of 19295 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by GeoGuidance Drilling Services, Inc.; that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO for the Poker Lake Unit 29 BS 128H well, A.P.I. No. 30-015-45880 in Eddy, NM; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by GeoGuidance Drilling Services, Inc.

Survey Instrument Type

MWD



A handwritten signature in black ink, appearing to read "Adam Wentworth".

Adam Wentworth
MWD Coordinator
GeoGuidance Drilling
Services, Inc.



XTO ENERGY INC.

EDDY COUNTY, NM
POKER LAKE UNIT 29 BS
PLU 29 BS 128H
PLU 29 BS 128H

Design: PLU 29 BS 128H

FINAL SURVEY REPORT

11 March, 2021





GeoGuidance Drilling FINAL SURVEY REPORT



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 29 BS 128H
Project:	EDDY COUNTY, NM	TVD Reference:	PLU 29 BS 128H @ 3370.00usft (X 32 - 33' KB)
Site:	POKER LAKE UNIT 29 BS	MD Reference:	PLU 29 BS 128H @ 3370.00usft (X 32 - 33' KB)
Well:	PLU 29 BS 128H	North Reference:	Grid
Wellbore:	PLU 29 BS 128H	Survey Calculation Method:	Minimum Curvature
Design:	PLU 29 BS 128H	Database:	XTO ENERGY

Project	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	POKER LAKE UNIT 29 BS		
Site Position:		Northing:	400,000.00 usft
From:	Map	Easting:	666,000.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.098582
		Longitude:	-103.797269
		Grid Convergence:	0.28 °

Well	PLU 29 BS 128H, SUR. N 401283.8 E 667227.2		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty		0.00 usft	Wellhead Elevation:
			usft
			Latitude:
			32.102094
			Longitude:
			-103.793286
			Ground Level:
			3,337.00 usft

Wellbore	PLU 29 BS 128H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	1/13/2021	6.69	59.77	47,443

Design	PLU 29 BS 128H			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth:
				0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	179.82



GeoGuidance Drilling FINAL SURVEY REPORT



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 29 BS 128H
Project:	EDDY COUNTY, NM	TVD Reference:	PLU 29 BS 128H @ 3370.00usft (X 32 - 33' KB)
Site:	POKER LAKE UNIT 29 BS	MD Reference:	PLU 29 BS 128H @ 3370.00usft (X 32 - 33' KB)
Well:	PLU 29 BS 128H	North Reference:	Grid
Wellbore:	PLU 29 BS 128H	Survey Calculation Method:	Minimum Curvature
Design:	PLU 29 BS 128H	Database:	XTO ENERGY

Survey Program		Date	3/11/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
196.00	10,767.00	GGDS SH/INTER. SURVEYS (PLU 29 BS	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	
10,856.00	19,358.00	GGDS CURVE/LAT. SURVEYS (PLU 29 B	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)
0.00	0.00	0.00	0.00	3,370.00	0.00	0.00	401,283.80	667,227.20	0.00	0.00
196.00	0.40	214.01	196.00	3,174.00	-0.57	-0.38	401,283.23	667,226.82	0.20	0.57
325.00	0.14	208.49	325.00	3,045.00	-1.08	-0.71	401,282.72	667,226.49	0.20	1.08
418.00	0.35	180.92	418.00	2,952.00	-1.46	-0.77	401,282.34	667,226.43	0.25	1.46
511.00	0.41	248.97	510.99	2,859.01	-1.87	-1.08	401,281.93	667,226.12	0.46	1.86
605.00	0.55	236.27	604.99	2,765.01	-2.24	-1.77	401,281.56	667,225.43	0.19	2.23
699.00	0.43	231.16	698.99	2,671.01	-2.71	-2.42	401,281.09	667,224.78	0.14	2.70
792.00	0.53	240.86	791.98	2,578.02	-3.14	-3.07	401,280.66	667,224.13	0.14	3.13
885.00	0.63	275.69	884.98	2,485.02	-3.30	-3.95	401,280.50	667,223.25	0.39	3.28
978.00	0.68	286.69	977.97	2,392.03	-3.09	-4.99	401,280.71	667,222.21	0.15	3.07
1,040.00	0.69	287.95	1,039.97	2,330.03	-2.87	-5.70	401,280.93	667,221.50	0.03	2.85
1,159.00	1.20	309.75	1,158.95	2,211.05	-1.85	-7.34	401,281.95	667,219.86	0.52	1.83
1,252.00	0.83	303.09	1,251.94	2,118.06	-0.86	-8.65	401,282.94	667,218.55	0.42	0.83
1,345.00	0.85	296.79	1,344.93	2,025.07	-0.18	-9.83	401,283.62	667,217.37	0.10	0.15
1,438.00	0.66	316.62	1,437.92	1,932.08	0.52	-10.82	401,284.32	667,216.38	0.34	-0.55
1,531.00	1.66	50.41	1,530.91	1,839.09	1.77	-10.15	401,285.57	667,217.05	1.96	-1.80
1,662.00	2.58	61.60	1,661.82	1,708.18	4.38	-6.09	401,288.18	667,221.11	0.77	-4.40
1,756.00	2.27	62.86	1,755.73	1,614.27	6.24	-2.57	401,290.04	667,224.63	0.33	-6.24
1,851.00	2.45	71.56	1,850.65	1,519.35	7.74	1.03	401,291.54	667,228.23	0.42	-7.73
1,945.00	2.14	64.56	1,944.58	1,425.42	9.13	4.52	401,292.93	667,231.72	0.44	-9.11
2,039.00	2.25	62.28	2,038.51	1,331.49	10.74	7.74	401,294.54	667,234.94	0.15	-10.71



GeoGuidance Drilling FINAL SURVEY REPORT



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 29 BS 128H
Project:	EDDY COUNTY, NM	TVD Reference:	PLU 29 BS 128H @ 3370.00usft (X 32 - 33' KB)
Site:	POKER LAKE UNIT 29 BS	MD Reference:	PLU 29 BS 128H @ 3370.00usft (X 32 - 33' KB)
Well:	PLU 29 BS 128H	North Reference:	Grid
Wellbore:	PLU 29 BS 128H	Survey Calculation Method:	Minimum Curvature
Design:	PLU 29 BS 128H	Database:	XTO ENERGY

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)	
2,133.00	2.04	59.29	2,132.44	1,237.56	12.45	10.81	401,296.25	667,238.01	0.25	-12.42	
2,228.00	2.29	54.54	2,227.37	1,142.63	14.42	13.81	401,298.22	667,241.01	0.32	-14.37	
2,323.00	4.56	64.11	2,322.20	1,047.80	17.17	18.75	401,300.97	667,245.95	2.46	-17.11	
2,417.00	5.81	72.67	2,415.81	954.19	20.21	26.66	401,304.01	667,253.86	1.56	-20.13	
2,511.00	5.93	72.62	2,509.32	860.68	23.08	35.83	401,306.88	667,263.03	0.13	-22.97	
2,606.00	5.77	76.98	2,603.83	766.17	25.62	45.17	401,309.42	667,272.37	0.50	-25.48	
2,700.00	5.29	76.26	2,697.39	672.61	27.72	53.98	401,311.52	667,281.18	0.52	-27.55	
2,795.00	6.19	80.07	2,791.91	578.09	29.64	63.28	401,313.44	667,290.48	1.03	-29.44	
2,889.00	6.91	86.51	2,885.30	484.70	30.86	73.92	401,314.66	667,301.12	1.09	-30.63	
2,984.00	6.36	86.82	2,979.66	390.34	31.50	84.88	401,315.30	667,312.08	0.58	-31.23	
3,078.00	5.41	88.25	3,073.16	296.84	31.92	94.50	401,315.72	667,321.70	1.02	-31.63	
3,173.00	5.41	81.99	3,167.74	202.26	32.68	103.41	401,316.48	667,330.61	0.62	-32.36	
3,267.00	6.03	77.10	3,261.27	108.73	34.40	112.61	401,318.20	667,339.81	0.84	-34.05	
3,361.00	5.26	72.07	3,354.82	15.18	36.83	121.53	401,320.63	667,348.73	0.97	-36.45	
3,456.00	5.29	64.63	3,449.42	-79.42	40.05	129.63	401,323.85	667,356.83	0.72	-39.64	
3,550.00	6.47	62.80	3,542.92	-172.92	44.33	138.25	401,328.13	667,365.45	1.27	-43.89	
3,644.00	6.48	65.43	3,636.32	-266.32	48.95	147.79	401,332.75	667,374.99	0.32	-48.49	
3,738.00	6.25	66.34	3,729.74	-359.74	53.21	157.30	401,337.01	667,384.50	0.27	-52.72	
3,833.00	6.17	77.55	3,824.19	-454.19	56.39	167.02	401,340.19	667,394.22	1.28	-55.86	
3,927.00	5.92	95.52	3,917.67	-547.67	57.01	176.78	401,340.81	667,403.98	2.02	-56.46	
4,022.00	5.55	96.42	4,012.20	-642.20	56.03	186.22	401,339.83	667,413.42	0.40	-55.44	
4,117.00	5.28	94.43	4,106.77	-736.77	55.17	195.14	401,338.97	667,422.34	0.35	-54.56	
4,211.00	6.53	88.53	4,200.27	-830.27	54.98	204.80	401,338.78	667,432.00	1.48	-54.33	
4,306.00	6.36	87.92	4,294.67	-924.67	55.31	215.46	401,339.11	667,442.66	0.19	-54.63	
4,400.00	6.56	88.29	4,388.08	-1,018.08	55.66	226.03	401,339.46	667,453.23	0.22	-54.95	
4,495.00	6.21	88.84	4,482.49	-1,112.49	55.92	236.59	401,339.72	667,463.79	0.37	-55.18	
4,590.00	5.94	88.64	4,576.95	-1,206.95	56.14	246.64	401,339.94	667,473.84	0.29	-55.37	



GeoGuidance Drilling FINAL SURVEY REPORT



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 29 BS 128H
Project:	EDDY COUNTY, NM	TVD Reference:	PLU 29 BS 128H @ 3370.00usft (X 32 - 33' KB)
Site:	POKER LAKE UNIT 29 BS	MD Reference:	PLU 29 BS 128H @ 3370.00usft (X 32 - 33' KB)
Well:	PLU 29 BS 128H	North Reference:	Grid
Wellbore:	PLU 29 BS 128H	Survey Calculation Method:	Minimum Curvature
Design:	PLU 29 BS 128H	Database:	XTO ENERGY

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)		TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)
4,684.00	5.97	87.30	87.30	4,670.45	-1,300.45	56.49	256.39	401,340.29	667,483.59	0.15	-55.68
4,779.00	5.24	86.18	86.18	4,764.99	-1,394.99	57.01	265.65	401,340.81	667,492.85	0.78	-56.18
4,874.00	5.46	87.24	87.24	4,859.58	-1,489.58	57.52	274.49	401,341.32	667,501.69	0.25	-56.65
4,969.00	5.24	84.52	84.52	4,954.16	-1,584.16	58.15	283.33	401,341.95	667,510.53	0.35	-57.26
5,064.00	4.56	88.18	88.18	5,048.82	-1,678.82	58.68	291.42	401,342.48	667,518.62	0.79	-57.77
5,158.00	3.75	84.78	84.78	5,142.57	-1,772.57	59.08	298.21	401,342.88	667,525.41	0.90	-58.14
5,253.00	3.67	82.14	82.14	5,237.37	-1,867.37	59.78	304.32	401,343.58	667,531.52	0.20	-58.82
5,348.00	3.36	78.88	78.88	5,332.19	-1,962.19	60.73	310.06	401,344.53	667,537.26	0.39	-59.76
5,443.00	3.00	45.80	45.80	5,427.05	-2,057.05	63.00	314.58	401,346.80	667,541.78	1.94	-62.01
5,538.00	2.85	43.52	43.52	5,521.93	-2,151.93	66.45	317.99	401,350.25	667,545.19	0.20	-65.45
5,633.00	2.76	42.89	42.89	5,616.82	-2,246.82	69.84	321.17	401,353.64	667,548.37	0.10	-68.83
5,728.00	2.41	42.35	42.35	5,711.72	-2,341.72	72.99	324.07	401,356.79	667,551.27	0.37	-71.97
5,823.00	2.35	38.89	38.89	5,806.64	-2,436.64	75.98	326.64	401,359.78	667,553.84	0.16	-74.96
5,918.00	2.09	40.18	40.18	5,901.57	-2,531.57	78.82	328.98	401,362.62	667,556.18	0.28	-77.79
6,012.00	0.75	79.81	79.81	5,995.54	-2,625.54	80.24	330.69	401,364.04	667,557.89	1.69	-79.20
6,107.00	0.64	83.12	83.12	6,090.53	-2,720.53	80.41	331.83	401,364.21	667,559.03	0.12	-79.37
6,202.00	0.63	85.84	85.84	6,185.52	-2,815.52	80.51	332.88	401,364.31	667,560.08	0.03	-79.47
6,297.00	0.56	117.38	117.38	6,280.52	-2,910.52	80.34	333.81	401,364.14	667,561.01	0.35	-79.29
6,392.00	0.56	95.91	95.91	6,375.51	-3,005.51	80.08	334.69	401,363.88	667,561.89	0.22	-79.03
6,487.00	0.48	104.03	104.03	6,470.51	-3,100.51	79.93	335.53	401,363.73	667,562.73	0.11	-78.88
6,582.00	0.60	84.37	84.37	6,565.51	-3,195.51	79.89	336.41	401,363.69	667,563.61	0.23	-78.83
6,676.00	0.89	73.38	73.38	6,659.50	-3,289.50	80.14	337.60	401,363.94	667,564.80	0.34	-79.08
6,771.00	1.95	46.64	46.64	6,754.47	-3,384.47	81.46	339.49	401,365.26	667,566.69	1.29	-80.40
6,866.00	1.12	42.84	42.84	6,849.43	-3,479.43	83.25	341.29	401,367.05	667,568.49	0.88	-82.18
6,961.00	0.89	188.08	188.08	6,944.43	-3,574.43	83.20	341.82	401,367.00	667,569.02	2.02	-82.13
7,056.00	0.61	184.93	184.93	7,039.42	-3,669.42	81.97	341.67	401,365.77	667,568.87	0.30	-80.90
7,151.00	0.47	169.86	169.86	7,134.41	-3,764.41	81.08	341.70	401,364.88	667,568.90	0.21	-80.01



GeoGuidance Drilling FINAL SURVEY REPORT



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 29 BS 128H
Project:	EDDY COUNTY, NM	TVD Reference:	PLU 29 BS 128H @ 3370.00usft (X 32 - 33' KB)
Site:	POKER LAKE UNIT 29 BS	MD Reference:	PLU 29 BS 128H @ 3370.00usft (X 32 - 33' KB)
Well:	PLU 29 BS 128H	North Reference:	Grid
Wellbore:	PLU 29 BS 128H	Survey Calculation Method:	Minimum Curvature
Design:	PLU 29 BS 128H	Database:	XTO ENERGY

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)
7,245.00	2.56	48.92	7,228.39	-3,858.39	82.08	343.35	401,365.88	667,570.55	3.01	-81.00
7,340.00	2.62	47.13	7,323.29	-3,953.29	84.95	346.54	401,368.75	667,573.74	0.11	-83.87
7,434.00	2.38	48.28	7,417.20	-4,047.20	87.71	349.57	401,371.51	667,576.77	0.26	-86.62
7,529.00	2.20	56.55	7,512.12	-4,142.12	90.03	352.56	401,373.83	667,579.76	0.40	-88.92
7,623.00	1.72	58.45	7,606.07	-4,236.07	91.77	355.27	401,375.57	667,582.47	0.52	-90.65
7,718.00	1.34	66.49	7,701.03	-4,331.03	92.95	357.51	401,376.75	667,584.71	0.46	-91.83
7,813.00	0.86	75.49	7,796.02	-4,426.02	93.58	359.21	401,377.38	667,586.41	0.54	-92.45
7,907.00	1.03	110.59	7,890.00	-4,520.00	93.46	360.69	401,377.26	667,587.89	0.63	-92.32
8,002.00	0.59	126.25	7,984.99	-4,614.99	92.87	361.88	401,376.67	667,589.08	0.51	-91.73
8,097.00	0.62	181.35	8,079.99	-4,709.99	92.06	362.26	401,375.86	667,589.46	0.59	-90.92
8,192.00	1.53	8.93	8,174.98	-4,804.98	92.80	362.45	401,376.60	667,589.65	2.26	-91.66
8,287.00	1.02	352.39	8,269.96	-4,899.96	94.89	362.53	401,378.69	667,589.73	0.66	-93.75
8,382.00	1.30	254.80	8,364.95	-4,994.95	95.45	361.38	401,379.25	667,588.58	1.85	-94.31
8,477.00	2.47	235.31	8,459.89	-5,089.89	94.00	358.66	401,377.80	667,585.86	1.39	-92.87
8,572.00	2.13	223.99	8,554.82	-5,184.82	91.57	355.75	401,375.37	667,582.95	0.60	-90.45
8,667.00	1.88	236.79	8,649.76	-5,279.76	89.44	353.22	401,373.24	667,580.42	0.54	-88.33
8,762.00	1.22	244.00	8,744.72	-5,374.72	88.15	351.01	401,371.95	667,578.21	0.72	-87.04
8,857.00	0.92	246.20	8,839.71	-5,469.71	87.39	349.40	401,371.19	667,576.60	0.32	-86.30
8,951.00	0.51	223.99	8,933.70	-5,563.70	86.79	348.42	401,370.59	667,575.62	0.52	-85.69
9,046.00	0.70	220.97	9,028.69	-5,658.69	86.05	347.75	401,369.85	667,574.95	0.20	-84.95
9,141.00	0.77	221.09	9,123.69	-5,753.69	85.13	346.95	401,368.93	667,574.15	0.07	-84.04
9,236.00	1.15	225.48	9,218.67	-5,848.67	83.98	345.85	401,367.78	667,573.05	0.41	-82.89
9,331.00	1.27	230.04	9,313.65	-5,943.65	82.63	344.36	401,366.43	667,571.56	0.16	-81.55
9,426.00	1.20	216.94	9,408.63	-6,038.63	81.16	342.95	401,364.96	667,570.15	0.31	-80.08
9,520.00	1.33	228.79	9,502.61	-6,132.61	79.66	341.54	401,363.46	667,568.74	0.31	-78.58
9,615.00	1.05	212.44	9,597.59	-6,227.59	78.20	340.25	401,362.00	667,567.45	0.46	-77.13
9,710.00	2.17	234.32	9,692.55	-6,322.55	76.41	338.32	401,360.21	667,565.52	1.32	-75.35



GeoGuidance Drilling FINAL SURVEY REPORT



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Project:	EDDY COUNTY, NM	TVD Reference:	PLU 29 BS 128H @ 3370.00usft (X 32 - 33' KB)
Site:	POKER LAKE UNIT 29 BS	MD Reference:	PLU 29 BS 128H @ 3370.00usft (X 32 - 33' KB)
Well:	PLU 29 BS 128H	North Reference:	Grid
Wellbore:	PLU 29 BS 128H	Survey Calculation Method:	Minimum Curvature
Design:	PLU 29 BS 128H	Database:	XTO ENERGY

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)	
9,805.00	2.63	224.57	9,787.47	-6,417.47	73.81	335.33	401,357.61	667,562.53	0.65	-72.76	
9,900.00	2.53	233.86	9,882.37	-6,512.37	71.02	332.10	401,354.82	667,559.30	0.45	-69.98	
9,994.00	2.74	232.57	9,976.27	-6,606.27	68.43	328.64	401,352.23	667,555.84	0.23	-67.40	
10,089.00	2.62	235.10	10,071.17	-6,701.17	65.81	325.06	401,349.61	667,552.26	0.18	-64.79	
10,183.00	2.45	229.25	10,165.08	-6,795.08	63.27	321.78	401,347.07	667,548.98	0.33	-62.26	
10,277.00	2.65	230.23	10,258.98	-6,888.98	60.57	318.58	401,344.37	667,545.78	0.22	-59.57	
10,372.00	3.32	227.49	10,353.85	-6,983.85	57.30	314.87	401,341.10	667,542.07	0.72	-56.31	
10,466.00	4.40	215.48	10,447.64	-7,077.64	52.53	310.77	401,336.33	667,537.97	1.43	-51.55	
10,561.00	4.43	216.95	10,542.36	-7,172.36	46.63	306.45	401,330.43	667,533.65	0.12	-45.66	
10,656.00	4.16	221.00	10,637.09	-7,267.09	41.10	301.98	401,324.90	667,529.18	0.43	-40.15	
10,750.00	3.52	220.52	10,730.88	-7,360.88	36.33	297.87	401,320.13	667,525.07	0.68	-35.39	
10,767.00	3.31	222.07	10,747.85	-7,377.85	35.57	297.20	401,319.37	667,524.40	1.35	-34.63	
10,856.00	2.67	206.47	10,836.73	-7,466.73	31.80	294.56	401,315.60	667,521.76	1.16	-30.88	
10,921.00	3.18	201.09	10,901.64	-7,531.64	28.77	293.23	401,312.57	667,520.43	0.89	-27.85	
10,969.00	7.61	196.59	10,949.42	-7,579.42	24.48	291.85	401,308.28	667,519.05	9.26	-23.56	
11,015.00	10.81	196.71	10,994.82	-7,624.82	17.42	289.74	401,301.22	667,516.94	6.96	-16.51	
11,062.00	14.57	196.12	11,040.66	-7,670.66	7.52	286.83	401,291.32	667,514.03	8.00	-6.62	
11,110.00	18.72	188.10	11,086.65	-7,716.65	-5.91	284.06	401,277.89	667,511.26	9.86	6.81	
11,157.00	22.43	182.20	11,130.65	-7,760.65	-22.35	282.66	401,261.45	667,509.86	9.03	23.24	
11,204.00	27.65	178.60	11,173.22	-7,803.22	-42.23	282.58	401,241.57	667,509.78	11.57	43.11	
11,251.00	33.52	177.47	11,213.66	-7,843.66	-66.11	283.42	401,217.69	667,510.62	12.55	67.00	
11,299.00	39.29	178.29	11,252.28	-7,882.28	-94.57	284.46	401,189.23	667,511.66	12.06	95.46	
11,395.00	48.14	181.21	11,321.60	-7,951.60	-160.83	284.61	401,122.97	667,511.81	9.45	161.72	
11,490.00	56.04	182.39	11,379.93	-8,009.93	-235.68	282.22	401,048.12	667,509.42	8.37	236.57	
11,584.00	61.79	179.55	11,428.45	-8,058.45	-316.13	280.91	400,967.67	667,508.11	6.64	317.01	
11,679.00	68.10	179.61	11,468.66	-8,098.66	-402.14	281.54	400,881.66	667,508.74	6.64	403.03	
11,774.00	77.57	178.63	11,496.67	-8,126.67	-492.80	282.96	400,791.00	667,510.16	10.02	493.68	



GeoGuidance Drilling FINAL SURVEY REPORT



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 29 BS 128H
Project:	EDDY COUNTY, NM	TVD Reference:	PLU 29 BS 128H @ 3370.00usft (X 32 - 33' KB)
Site:	POKER LAKE UNIT 29 BS	MD Reference:	PLU 29 BS 128H @ 3370.00usft (X 32 - 33' KB)
Well:	PLU 29 BS 128H	North Reference:	Grid
Wellbore:	PLU 29 BS 128H	Survey Calculation Method:	Minimum Curvature
Design:	PLU 29 BS 128H	Database:	XTO ENERGY

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)
11,869.00	89.87	179.08	11,507.04	-8,137.04	-587.03	284.83	400,696.77	667,512.03	12.96	587.92
11,964.00	89.09	178.01	11,507.90	-8,137.90	-681.99	287.25	400,601.81	667,514.45	1.39	682.89
12,058.00	89.99	177.57	11,508.66	-8,138.66	-775.92	290.87	400,507.88	667,518.07	1.07	776.83
12,153.00	89.71	176.70	11,508.90	-8,138.90	-870.80	295.62	400,413.00	667,522.82	0.96	871.72
12,248.00	89.85	178.13	11,509.27	-8,139.27	-965.70	299.90	400,318.10	667,527.10	1.51	966.63
12,343.00	89.68	178.53	11,509.66	-8,139.66	-1,060.65	302.67	400,223.15	667,529.87	0.46	1,061.60
12,438.00	92.79	180.63	11,507.61	-8,137.61	-1,155.61	303.37	400,128.19	667,530.57	3.95	1,156.56
12,533.00	87.94	179.71	11,507.01	-8,137.01	-1,250.58	303.09	400,033.22	667,530.29	5.20	1,251.53
12,628.00	90.66	180.81	11,508.17	-8,138.17	-1,345.56	302.66	399,938.24	667,529.86	3.09	1,346.51
12,723.00	89.34	182.43	11,508.17	-8,138.17	-1,440.52	299.97	399,843.28	667,527.17	2.20	1,441.46
12,818.00	86.54	182.23	11,511.58	-8,141.58	-1,535.37	296.11	399,748.43	667,523.31	2.95	1,536.29
12,912.00	91.22	182.02	11,513.42	-8,143.42	-1,629.26	292.63	399,654.54	667,519.83	4.98	1,630.17
12,942.00	89.03	181.82	11,513.35	-8,143.35	-1,659.24	291.62	399,624.56	667,518.82	7.33	1,660.15
13,007.00	90.49	184.56	11,513.62	-8,143.62	-1,724.13	288.01	399,559.67	667,515.21	4.78	1,725.03
13,102.00	90.38	188.48	11,512.90	-8,142.90	-1,818.50	277.22	399,465.30	667,504.42	4.13	1,819.36
13,197.00	90.49	190.72	11,512.18	-8,142.18	-1,912.16	261.38	399,371.64	667,488.58	2.36	1,912.97
13,292.00	87.27	189.70	11,514.04	-8,144.04	-2,005.62	244.55	399,278.18	667,471.75	3.56	2,006.38
13,330.00	90.32	187.11	11,514.84	-8,144.84	-2,043.20	238.99	399,240.60	667,466.19	10.53	2,043.94
13,395.00	90.69	180.63	11,514.26	-8,144.26	-2,108.01	234.61	399,175.79	667,461.81	9.99	2,108.74
13,423.00	89.45	177.78	11,514.23	-8,144.23	-2,136.01	235.00	399,147.79	667,462.20	11.10	2,136.74
13,489.00	88.75	176.63	11,515.27	-8,145.27	-2,201.92	238.22	399,081.88	667,465.42	2.04	2,202.66
13,584.00	88.86	176.04	11,517.25	-8,147.25	-2,296.70	244.29	398,987.10	667,471.49	0.63	2,297.46
13,679.00	90.41	176.35	11,517.85	-8,147.85	-2,391.49	250.59	398,892.31	667,477.79	1.66	2,392.27
13,773.00	89.15	175.89	11,518.21	-8,148.21	-2,485.27	256.95	398,798.53	667,484.15	1.43	2,486.07
13,867.00	90.01	177.22	11,518.90	-8,148.90	-2,579.10	262.60	398,704.70	667,489.80	1.68	2,579.91
13,962.00	90.15	177.12	11,518.77	-8,148.77	-2,673.98	267.29	398,609.82	667,494.49	0.18	2,674.81
14,057.00	89.45	176.66	11,519.10	-8,149.10	-2,768.84	272.44	398,514.96	667,499.64	0.88	2,769.68



GeoGuidance Drilling FINAL SURVEY REPORT



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Project:	EDDY COUNTY, NM	TVD Reference:	PLU 29 BS 128H @ 3370.00usft (X 32 - 33' KB)
Site:	POKER LAKE UNIT 29 BS	MD Reference:	PLU 29 BS 128H @ 3370.00usft (X 32 - 33' KB)
Well:	PLU 29 BS 128H	North Reference:	Grid
Wellbore:	PLU 29 BS 128H	Survey Calculation Method:	Minimum Curvature
Design:	PLU 29 BS 128H	Database:	XTO ENERGY

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)
14,151.00	91.41	177.98	11,518.40	-8,148.40	-2,862.73	276.84	398,421.07	667,504.04	2.51	2,863.58
14,246.00	91.64	178.12	11,515.87	-8,145.87	-2,957.64	280.07	398,326.16	667,507.27	0.28	2,958.50
14,340.00	90.04	178.04	11,514.49	-8,144.49	-3,051.57	283.22	398,232.23	667,510.42	1.70	3,052.45
14,434.00	90.83	178.01	11,513.78	-8,143.78	-3,145.51	286.46	398,138.29	667,513.66	0.84	3,146.40
14,528.00	88.89	176.83	11,514.01	-8,144.01	-3,239.41	290.69	398,044.39	667,517.89	2.42	3,240.31
14,623.00	92.68	178.71	11,512.70	-8,142.70	-3,334.31	294.39	397,949.49	667,521.59	4.45	3,335.22
14,717.00	92.87	180.18	11,508.15	-8,138.15	-3,428.19	295.30	397,855.61	667,522.50	1.58	3,429.10
14,811.00	89.23	178.63	11,506.43	-8,136.43	-3,522.15	296.27	397,761.65	667,523.47	4.21	3,523.07
14,905.00	87.83	178.49	11,508.84	-8,138.84	-3,616.09	298.63	397,667.71	667,525.83	1.50	3,617.01
15,000.00	86.51	178.36	11,513.53	-8,143.53	-3,710.94	301.24	397,572.86	667,528.44	1.40	3,711.86
15,094.00	89.17	179.00	11,517.08	-8,147.08	-3,804.83	303.40	397,478.97	667,530.60	2.91	3,805.77
15,189.00	89.15	178.59	11,518.47	-8,148.47	-3,899.80	305.40	397,384.00	667,532.60	0.43	3,900.74
15,282.00	92.09	179.50	11,517.46	-8,147.46	-3,992.77	306.95	397,291.03	667,534.15	3.31	3,993.72
15,377.00	89.09	178.63	11,516.48	-8,146.48	-4,087.74	308.50	397,196.06	667,535.70	3.29	4,088.69
15,471.00	92.96	178.35	11,514.80	-8,144.80	-4,181.68	310.98	397,102.12	667,538.18	4.13	4,182.63
15,565.00	88.95	176.89	11,513.24	-8,143.24	-4,275.56	314.88	397,008.24	667,542.08	4.54	4,276.53
15,659.00	93.29	179.25	11,511.40	-8,141.40	-4,369.46	318.05	396,914.34	667,545.25	5.25	4,370.44
15,754.00	89.71	178.47	11,508.91	-8,138.91	-4,464.39	319.94	396,819.41	667,547.14	3.86	4,465.38
15,848.00	91.75	179.48	11,507.72	-8,137.72	-4,558.37	321.62	396,725.43	667,548.82	2.42	4,559.35
15,942.00	91.67	180.27	11,504.91	-8,134.91	-4,652.32	321.82	396,631.48	667,549.02	0.84	4,653.31
16,037.00	92.20	182.47	11,501.70	-8,131.70	-4,747.24	319.55	396,536.56	667,546.75	2.38	4,748.22
16,131.00	90.35	179.06	11,499.61	-8,129.61	-4,841.19	318.30	396,442.61	667,545.50	4.13	4,842.16
16,225.00	90.41	179.62	11,498.99	-8,128.99	-4,935.18	319.38	396,348.62	667,546.58	0.60	4,936.16
16,319.00	91.55	180.50	11,497.38	-8,127.38	-5,029.16	319.28	396,254.64	667,546.48	1.53	5,030.14
16,414.00	91.50	180.12	11,494.85	-8,124.85	-5,124.13	318.77	396,159.67	667,545.97	0.40	5,125.10
16,508.00	89.37	178.17	11,494.14	-8,124.14	-5,218.10	320.17	396,065.70	667,547.37	3.07	5,219.08
16,603.00	89.73	178.68	11,494.88	-8,124.88	-5,313.06	322.78	395,970.74	667,549.98	0.66	5,314.05



GeoGuidance Drilling FINAL SURVEY REPORT



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Site:	POKER LAKE UNIT 29 BS	MD Reference:	PLU 29 BS 128H @ 3370.00usft (X 32 - 33' KB)
Well:	PLU 29 BS 128H	North Reference:	Grid
Wellbore:	PLU 29 BS 128H	Survey Calculation Method:	Minimum Curvature
Design:	PLU 29 BS 128H	Database:	XTO ENERGY

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)
16,697.00	90.46	179.17	11,494.73	-8,124.73	-5,407.05	324.55	395,876.75	667,551.75	0.94	5,408.04
16,792.00	90.21	179.97	11,494.17	-8,124.17	-5,502.04	325.26	395,781.76	667,552.46	0.88	5,503.04
16,886.00	89.12	178.41	11,494.72	-8,124.72	-5,596.03	326.59	395,687.77	667,553.79	2.02	5,597.02
16,981.00	88.36	179.94	11,496.81	-8,126.81	-5,690.99	327.96	395,592.81	667,555.16	1.80	5,691.99
17,076.00	88.95	180.53	11,499.04	-8,129.04	-5,785.96	327.57	395,497.84	667,554.77	0.88	5,786.96
17,170.00	93.35	182.20	11,497.15	-8,127.15	-5,879.89	325.33	395,403.91	667,552.53	5.01	5,880.88
17,265.00	91.53	182.33	11,493.11	-8,123.11	-5,974.72	321.58	395,309.08	667,548.78	1.92	5,975.71
17,360.00	93.10	183.59	11,489.27	-8,119.27	-6,069.52	316.68	395,214.28	667,543.88	2.12	6,070.48
17,455.00	92.31	183.19	11,484.79	-8,114.79	-6,164.24	311.07	395,119.56	667,538.27	0.93	6,165.19
17,549.00	90.55	183.24	11,482.44	-8,112.44	-6,258.06	305.80	395,025.74	667,533.00	1.87	6,258.99
17,644.00	91.02	182.36	11,481.14	-8,111.14	-6,352.94	301.16	394,930.86	667,528.36	1.05	6,353.85
17,739.00	88.87	179.92	11,481.23	-8,111.23	-6,447.91	299.27	394,835.89	667,526.47	3.42	6,448.82
17,788.00	88.75	179.93	11,482.25	-8,112.25	-6,496.90	299.33	394,786.90	667,526.53	0.25	6,497.80
17,834.00	90.18	179.71	11,482.68	-8,112.68	-6,542.89	299.48	394,740.91	667,526.68	3.15	6,543.80
17,928.00	90.74	179.80	11,481.93	-8,111.93	-6,636.89	299.88	394,646.91	667,527.08	0.60	6,637.80
18,023.00	90.43	179.55	11,480.96	-8,110.96	-6,731.88	300.42	394,551.92	667,527.62	0.42	6,732.79
18,118.00	89.93	179.32	11,480.66	-8,110.66	-6,826.88	301.35	394,456.92	667,528.55	0.58	6,827.79
18,213.00	90.24	179.43	11,480.52	-8,110.52	-6,921.87	302.39	394,361.93	667,529.59	0.35	6,922.79
18,308.00	89.73	178.77	11,480.54	-8,110.54	-7,016.86	303.88	394,266.94	667,531.08	0.88	7,017.78
18,403.00	89.26	178.95	11,481.38	-8,111.38	-7,111.84	305.77	394,171.96	667,532.97	0.53	7,112.76
18,497.00	89.87	179.08	11,482.09	-8,112.09	-7,205.82	307.39	394,077.98	667,534.59	0.66	7,206.75
18,592.00	89.65	178.93	11,482.49	-8,112.49	-7,300.80	309.04	393,983.00	667,536.24	0.28	7,301.74
18,687.00	90.10	179.06	11,482.70	-8,112.70	-7,395.79	310.70	393,888.01	667,537.90	0.49	7,396.73
18,782.00	90.46	179.14	11,482.23	-8,112.23	-7,490.77	312.20	393,793.03	667,539.40	0.39	7,491.72
18,877.00	91.11	179.14	11,480.93	-8,110.93	-7,585.75	313.62	393,698.05	667,540.82	0.68	7,586.70
18,972.00	90.57	179.22	11,479.54	-8,109.54	-7,680.73	314.98	393,603.07	667,542.18	0.57	7,681.69
19,067.00	90.83	179.38	11,478.38	-8,108.38	-7,775.72	316.14	393,508.08	667,543.34	0.32	7,776.67



GeoGuidance Drilling FINAL SURVEY REPORT



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Well:	PLU 29 BS 128H	North Reference:	Grid
Wellbore:	PLU 29 BS 128H	Survey Calculation Method:	Minimum Curvature
Design:	PLU 29 BS 128H	Database:	XTO ENERGY

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	Northing (usft)	Easting (usft)	DLeg (°/100usft)	V. Sec (usft)	
19,162.00	90.27	179.27	11,477.47	-8,107.47	-7,870.71	317.26	393,413.09	667,544.46	0.60	7,871.67	
19,257.00	90.15	179.19	11,477.12	-8,107.12	-7,965.70	318.54	393,318.10	667,545.74	0.15	7,966.66	
19,295.00	89.71	178.94	11,477.16	-8,107.16	-8,003.69	319.16	393,280.11	667,546.36	1.33	8,004.66	
19,358.00	89.71	178.94	11,477.48	-8,107.48	-8,066.68	320.32	393,217.12	667,547.52	0.00	8,067.65	

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
19,358.00	11,477.48	-8,066.68	320.32	Projection to TD	

Checked By: _____ Approved By: _____ Date: _____

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								1. WELL API NO. 30-015-45880		
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 29 BS		
								6. Well Number: 128H		
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:	H	29	25S	31E		2310	North	630	East	Eddy
BH:	P	32	25S	31E		239	South	331	East	Eddy
13. Date Spudded 1/29/2021	14. Date T.D. Reached 3/10/2021		15. Date Rig Released 3/12/2021		16. Date Completed (Ready to Produce) 7/2/2021			17. Elevations (DF and RKB, RT, GR, etc.) 3337' GL		
18. Total Measured Depth of Well 19,358			19. Plug Back Measured Depth 19,346		20. Was Directional Survey Made? Yes			21. Type Electric and Other Logs Run CBL		
22. Producing Interval(s), of this completion - Top, Bottom, Name 12,000 - 19,200 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
11 3/4"		54.0		1,112'		14 3/4"		1030		
7 5/8"		29.7		10,828'		8 3/4"		1350		
5"		18.0		19,348		6 3/4"		915		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET		PACKER SET	
						2 7/8"L80 6.5#	11,039		11,024	
26. Perforation record (interval, size, and number) 12,000 - 19,200 4spf, 864 Total Shots 36 stages						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						12,000 - 19,200		297,742 bbl fluid + 14,393,220 lbs proppant		
28. PRODUCTION										
Date First Production 7/3/21		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in) Producing				
Date of Test 7/10/21	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 2271	Gas - MCF 5749	Water - Bbl. 5911	Gas - Oil Ratio 2532			
Flow Tubing Press. 1147	Casing Pressure 1222	Calculated 24-Hour Rate	Oil - Bbl. 2271	Gas - MCF 5749	Water - Bbl. 5911	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 Cassie Evans		Printed Name Cassie Evans		Title Regulatory Analyst				Date 08/17/21		
E-mail Address cassie.evans@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 1224'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 3960'	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 4174'	T. Morrison	
T. Drinkard	T. Bone Springs 8116'	T. Todilto	
T. Abo	T. Rustler 862'	T. Entrada	
T. Wolfcamp 11474'	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

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Action 42796

ACKNOWLEDGMENTS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 42796
	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.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
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1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 42796

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 42796
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	10/4/2021