

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 - 015-45839	⁵ Pool Name PURPLE SAGE; WOLFCAMP (GAS)	⁶ Pool Code 98220
⁷ Property Code 325310	⁸ Property Name POKER LAKE UNIT 13 DTD	⁹ Well Number 108H

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
A	24	24S	30E		476	North	929	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	25	24S	30E		195	South	325	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, LP	Oil
373075		

IV. Well Completion Data

²¹ Spud Date 2/24/2020	²² Ready Date 6/17/2021	²³ TD 21657 MD 11569 TVD	²⁴ PBTB 21655 MD 11569 TVD	²⁵ Perforations 11,886 - 21,485	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5	13.375	784	850		
12.25	9.625	10346	4100		
8.5	5.5	21657	2520		

V. Well Test Data

³¹ Date New Oil 6/18/21	³² Gas Delivery Date 6/19/21	³³ Test Date 6/19/21	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 1022	³⁶ Csg. Pressure 1125
³⁷ Choke Size	³⁸ Oil 1218	³⁹ Water 7416	⁴⁰ Gas 3678		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: 08/13/2021

Phone: 432.218.3671

OIL CONSERVATION DIVISION

Approved by: **Kurt Simmons**Title: **NMOCD, Santa Fe**Approval Date: **09/23/2021**

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 30-015-45839	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)
⁴ Property Code 325310	⁵ Property Name POKER LAKE UNIT 13 DTD	⁶ Well Number 108H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,475'

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	24	24 S	30 E		477	NORTH	929	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	25	24 S	30 E		195	SOUTH	325	EAST	EDDY

¹² Dedicated Acres 640	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division. NOTE: AS-DRILLED BOTTOM HOLE PLOTTED FROM DATA FURNISHED BY XTO ENERGY.

	¹⁶ SEC. 13 K.O.P. MD=10,999' 338' 929' 365' S.H.L. F.T.P. MD=11,886' 330' T24S R30E SEC. 25 T24S R31E SEC. 30 L.T.P. MD=21,485' 332' 325' 367' 195' SEC. 36 SEC. 31	SHL (NAD83 NME) Y = 440,247.9 X = 697,417.8 LAT. = 32.209311 °N LONG. = 103.828682 °W KOP (NAD83 NME) Y = 440,636.1 X = 698,006.7 LAT. = 32.210371 °N LONG. = 103.826772 °W FTP (NAD83 NME) Y = 440,119.1 X = 697,981.9 LAT. = 32.208950 °N LONG. = 103.826860 °W CORNER COORDINATES (NAD83 NME) A - Y = 440,723.1 N , X = 697,006.5 E B - Y = 440,727.5 N , X = 698,344.8 E C - Y = 438,084.4 N , X = 697,016.3 E D - Y = 438,089.0 N , X = 698,354.9 E E - Y = 435,442.2 N , X = 697,026.2 E F - Y = 435,446.2 N , X = 698,365.4 E G - Y = 432,801.0 N , X = 697,038.3 E H - Y = 432,803.4 N , X = 698,375.8 E I - Y = 430,159.4 N , X = 697,050.5 E J - Y = 430,161.2 N , X = 698,386.6 E SHL (NAD27 NME) Y = 440,189.1 X = 656,233.8 LAT. = 32.209188 °N LONG. = 103.828197 °W KOP (NAD27 NME) Y = 440,577.3 X = 656,822.7 LAT. = 32.210247 °N LONG. = 103.826287 °W FTP (NAD27 NME) Y = 440,060.1 X = 656,798.1 LAT. = 32.208826 °N LONG. = 103.826375 °W CORNER COORDINATES (NAD27 NME) A - Y = 440,664.1 N , X = 655,822.7 E B - Y = 440,668.5 N , X = 657,161.0 E C - Y = 438,025.5 N , X = 655,832.4 E D - Y = 438,030.1 N , X = 657,171.0 E E - Y = 435,383.4 N , X = 655,842.2 E F - Y = 435,387.4 N , X = 657,181.3 E G - Y = 432,742.2 N , X = 655,854.2 E H - Y = 432,744.6 N , X = 657,191.7 E I - Y = 430,100.6 N , X = 655,866.3 E J - Y = 430,102.5 N , X = 657,202.4 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. Cassie Evans 08/13/2021 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:		
	MARK DILLON HARP 23786 Certificate Number JC 2018010158		

Intent ☐ As Drilled ☒API #
30-015-45839

Operator Name: XTO PERMIAN OPERATING, LLC.	Property Name: POKER LAKE UNIT 13 DTD	Well Number 108H
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Kick Off Point (KOP)

UL A	Section 24	Township 24S	Range 30E	Lot	Feet 90	From N/S FNL	Feet 338	From E/W FEL	County EDDY
Latitude 32.210371					Longitude 103.826772			NAD 83	

First Take Point (FTP)

UL A	Section 24	Township 24S	Range 30E	Lot	Feet 607	From N/S FNL	Feet 365	From E/W FEL	County EDDY
Latitude 32.208950					Longitude 103.826860			NAD 83	

Last Take Point (LTP)

UL P	Section 25	Township 24S	Range 30E	Lot	Feet 367	From N/S FSL	Feet 332	From E/W FEL	County EDDY
Latitude 32.182585					Longitude 103.826776			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



True Performance
Directional Drilling
5075 E 52nd Street
Odessa, TX 79762
(281)-222-8366

To: New Mexico Energy, Minerals and
Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505 (505) 476-3220

Re: Certified Survey Report / **PLU 13 DTD 108H / 30-015-45839**

Via: Electronic Filing

True Performance Directional Drilling, respectfully submits for filing the required directional certified survey performed on the referenced well by True Performance Directional Drilling. Other information required by your office is as follows:

<u>Name & Title of Supervisor</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Greg Wilkie MWD Coordinator	180' to 21657'	3-23-20 TO 4-7-20	MWD

The directional MWD surveys performed by True Performance Directional Drilling are attached. A copy of the certified plat on which the final survey is drawn and the projected bottom-hole location is marked and identified is also attached.

Please file this certified survey report. If there are any questions or additional data required, please let me know at your earliest opportunity.

Thank You

Sincerely,

A handwritten signature in black ink, appearing to read 'Greg Wilkie'.

Greg Wilkie
MWD Operations Manager

XTO Energy

Eddy County, NM (NAD27) NMEZ Grid

PLU 13 Dog Town Draw

13-108H - Slot PLU 13 DTD 108H SHL

108H Lateral

Design: 108H Lateral AsDrilled

Standard Survey Report

16 April, 2020

Survey Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well 13-108H - Slot PLU 13 DTD 108H SHL
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3476+27 @ 3503.00usft (HP467 ptd)
Site:	PLU 13 Dog Town Draw	MD Reference:	3476+27 @ 3503.00usft (HP467 ptd)
Well:	13-108H	North Reference:	Grid
Wellbore:	108H Lateral	Survey Calculation Method:	Minimum Curvature
Design:	108H Lateral AsDrilled	Database:	XTO_EDM

Project	Eddy County, NM (NAD27) NMEZ Grid		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	PLU 13 Dog Town Draw		
Site Position:		Northing:	440,075.00 usft
From:	Map	Easting:	654,089.10 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in
		Latitude:	32.2089017
		Longitude:	-103.8351331
		Grid Convergence:	0.27 °

Well	13-108H - Slot PLU 13 DTD 108H SHL					
Well Position	+N/-S	0.00 usft	Northing:	440,189.10 usft	Latitude:	32.2091878
	+E/-W	0.00 usft	Easting:	656,233.80 usft	Longitude:	-103.8281973
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,476.00 usft

Wellbore	108H Lateral				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IFR	03/23/20	6.86	59.90	47,801.00000000

Design	108H Lateral AsDrilled				
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	179.78	

Survey Program	Date	04/16/20			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
180.00	10,986.00	Survey #1 (108H Lateral)	MWD	OWSG MWD - Standard	
11,031.00	15,601.00	Survey #2 (108H Lateral)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	
15,648.00	21,598.00	Survey #3 (108H Lateral)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	
21,657.00	21,657.00	Survey #4 (108H Lateral)	Projection	Projection	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	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
PLU 13 DTD 108H SHL									
0.01	0.00	189.73	0.01	0.00	0.00	0.00	0.00	0.00	0.00
PLU 13 DTD 208H SHL									
180.00	0.04	189.73	180.00	-0.06	-0.01	0.06	0.02	0.02	0.00
239.00	0.40	237.99	239.00	-0.19	-0.19	0.19	0.63	0.61	81.80
330.00	0.48	254.95	330.00	-0.46	-0.83	0.46	0.17	0.09	18.64

Survey Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well 13-108H - Slot PLU 13 DTD 108H SHL
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3476+27 @ 3503.00usft (HP467 ptd)
Site:	PLU 13 Dog Town Draw	MD Reference:	3476+27 @ 3503.00usft (HP467 ptd)
Well:	13-108H	North Reference:	Grid
Wellbore:	108H Lateral	Survey Calculation Method:	Minimum Curvature
Design:	108H Lateral AsDrilled	Database:	XTO_EDM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
424.00	0.44	313.57	423.99	-0.31	-1.47	0.31	0.48	-0.04		62.36
515.00	0.79	320.25	514.99	0.41	-2.12	-0.42	0.39	0.38		7.34
602.00	1.19	331.59	601.98	1.67	-2.94	-1.68	0.51	0.46		13.03
693.00	1.85	346.88	692.94	3.93	-3.72	-3.94	0.85	0.73		16.80
750.00	1.85	345.21	749.91	5.71	-4.16	-5.73	0.09	0.00		-2.93
801.00	2.15	351.89	800.88	7.46	-4.51	-7.47	0.74	0.59		13.10
890.00	1.14	349.43	889.85	9.98	-4.91	-10.00	1.14	-1.13		-2.76
985.00	0.66	183.14	984.84	10.36	-5.11	-10.38	1.88	-0.51		-175.04
1,079.00	0.18	208.72	1,078.84	9.69	-5.21	-9.71	0.54	-0.51		27.21
1,174.00	0.09	34.61	1,173.84	9.62	-5.24	-9.64	0.28	-0.09		-183.27
1,268.00	0.13	31.71	1,267.84	9.77	-5.14	-9.79	0.04	0.04		-3.09
1,362.00	0.62	22.04	1,361.83	10.34	-4.89	-10.36	0.52	0.52		-10.29
1,457.00	1.76	37.60	1,456.81	11.97	-3.81	-11.98	1.24	1.20		16.38
1,551.00	3.74	46.56	1,550.70	15.22	-0.70	-15.22	2.15	2.11		9.53
1,645.00	5.05	50.16	1,644.42	19.98	4.70	-19.96	1.42	1.39		3.83
1,740.00	6.55	50.60	1,738.93	26.10	12.10	-26.05	1.58	1.58		0.46
1,834.00	8.18	52.89	1,832.15	33.54	21.57	-33.45	1.76	1.73		2.44
1,929.00	8.79	50.25	1,926.11	42.26	32.54	-42.13	0.76	0.64		-2.78
2,023.00	8.66	45.42	2,019.03	51.82	43.11	-51.65	0.79	-0.14		-5.14
2,099.00	8.53	39.18	2,094.18	60.20	50.74	-60.01	1.24	-0.17		-8.21
2,212.00	8.31	36.19	2,205.96	73.29	60.86	-73.05	0.43	-0.19		-2.65
2,306.00	7.87	28.02	2,299.03	84.45	67.89	-84.19	1.31	-0.47		-8.69
2,401.00	7.25	22.74	2,393.20	95.72	73.27	-95.44	0.98	-0.65		-5.56
2,495.00	7.16	25.91	2,486.46	106.46	78.12	-106.16	0.43	-0.10		3.37
2,589.00	7.03	38.30	2,579.75	116.25	84.24	-115.92	1.63	-0.14		13.18
2,684.00	7.74	50.34	2,673.96	124.89	92.77	-124.53	1.79	0.75		12.67
2,778.00	7.56	55.26	2,767.13	132.46	102.73	-132.06	0.72	-0.19		5.23
2,872.00	6.64	54.38	2,860.40	139.14	112.23	-138.71	0.99	-0.98		-0.94
2,967.00	6.59	59.57	2,954.77	145.10	121.39	-144.64	0.63	-0.05		5.46
3,061.00	8.48	65.72	3,047.96	150.69	132.36	-150.18	2.18	2.01		6.54
3,155.00	10.42	65.90	3,140.68	157.01	146.44	-156.44	2.06	2.06		0.19
3,250.00	8.92	66.69	3,234.33	163.43	161.05	-162.81	1.59	-1.58		0.83
3,344.00	8.70	62.56	3,327.22	169.59	174.05	-168.92	0.71	-0.23		-4.39
3,436.00	8.97	60.89	3,418.13	176.29	186.49	-175.57	0.40	0.29		-1.82
3,528.00	9.49	65.90	3,508.94	182.87	199.68	-182.10	1.04	0.57		5.45
3,624.00	8.26	71.43	3,603.79	188.30	213.44	-187.48	1.56	-1.28		5.76
3,718.00	8.18	67.83	3,696.82	192.97	226.04	-192.11	0.55	-0.09		-3.83
3,812.00	10.37	65.98	3,789.59	198.94	239.96	-198.02	2.35	2.33		-1.97
3,907.00	11.08	71.43	3,882.93	205.33	256.42	-204.34	1.30	0.75		5.74
4,001.00	9.76	78.29	3,975.38	209.82	272.79	-208.78	1.92	-1.40		7.30
4,095.00	9.23	71.52	4,068.10	213.83	287.74	-212.72	1.31	-0.56		-7.20
4,189.00	9.19	60.97	4,160.89	219.86	301.45	-218.70	1.79	-0.04		-11.22
4,283.00	8.79	57.72	4,253.74	227.34	314.09	-226.13	0.69	-0.43		-3.46
4,377.00	8.84	58.95	4,346.63	234.90	326.35	-233.65	0.21	0.05		1.31

Survey Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well 13-108H - Slot PLU 13 DTD 108H SHL
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3476+27 @ 3503.00usft (HP467 ptd)
Site:	PLU 13 Dog Town Draw	MD Reference:	3476+27 @ 3503.00usft (HP467 ptd)
Well:	13-108H	North Reference:	Grid
Wellbore:	108H Lateral	Survey Calculation Method:	Minimum Curvature
Design:	108H Lateral AsDrilled	Database:	XTO_EDM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
4,471.00	9.27	60.01	4,439.45	242.41	339.10	-241.11	0.49	0.46	1.13	
4,566.00	8.62	60.45	4,533.30	249.75	351.92	-248.40	0.69	-0.68	0.46	
4,660.00	8.62	59.30	4,626.24	256.82	364.10	-255.42	0.18	0.00	-1.22	
4,754.00	9.05	57.90	4,719.12	264.34	376.42	-262.90	0.51	0.46	-1.49	
4,849.00	8.62	57.72	4,812.99	272.12	388.77	-270.62	0.45	-0.45	-0.19	
4,943.00	8.79	56.58	4,905.91	279.83	400.72	-278.29	0.26	0.18	-1.21	
5,037.00	9.05	56.14	4,998.77	287.91	412.85	-286.32	0.29	0.28	-0.47	
5,132.00	8.44	56.67	5,092.67	295.90	424.88	-294.27	0.65	-0.64	0.56	
5,226.00	8.22	55.53	5,185.68	303.50	436.19	-301.82	0.29	-0.23	-1.21	
5,320.00	8.22	54.47	5,278.71	311.21	447.20	-309.49	0.16	0.00	-1.13	
5,414.00	8.31	55.26	5,371.74	318.98	458.25	-317.22	0.15	0.10	0.84	
5,508.00	8.40	55.44	5,464.74	326.75	469.48	-324.94	0.10	0.10	0.19	
5,603.00	8.66	55.70	5,558.69	334.71	481.11	-332.86	0.28	0.27	0.27	
5,697.00	8.75	56.84	5,651.60	342.61	492.94	-340.72	0.21	0.10	1.21	
5,791.00	7.82	57.11	5,744.62	350.00	504.29	-348.06	0.99	-0.99	0.29	
5,885.00	6.73	57.11	5,837.86	356.46	514.29	-354.48	1.16	-1.16	0.00	
5,979.00	5.89	57.55	5,931.29	362.04	522.98	-360.03	0.90	-0.89	0.47	
6,073.00	5.98	57.72	6,024.79	367.24	531.19	-365.20	0.10	0.10	0.18	
6,168.00	6.33	60.27	6,119.24	372.48	539.92	-370.41	0.47	0.37	2.68	
6,262.00	6.11	58.51	6,212.69	377.66	548.69	-375.56	0.31	-0.23	-1.87	
6,357.00	6.02	56.14	6,307.16	383.08	557.14	-380.94	0.28	-0.09	-2.49	
6,451.00	5.32	58.43	6,400.70	388.11	564.94	-385.94	0.78	-0.74	2.44	
6,545.00	4.66	59.83	6,494.34	392.31	571.96	-390.11	0.71	-0.70	1.49	
6,640.00	3.78	60.01	6,589.08	395.81	578.01	-393.59	0.93	-0.93	0.19	
6,734.00	3.34	58.16	6,682.90	398.81	583.02	-396.57	0.48	-0.47	-1.97	
6,828.00	2.90	56.49	6,776.76	401.57	587.33	-399.31	0.48	-0.47	-1.78	
6,922.00	2.55	56.76	6,870.65	404.02	591.06	-401.75	0.37	-0.37	0.29	
7,020.00	2.15	57.28	6,968.57	406.21	594.43	-403.93	0.41	-0.41	0.53	
7,114.00	1.85	55.61	7,062.51	408.02	597.16	-405.73	0.33	-0.32	-1.78	
7,208.00	1.67	51.75	7,156.47	409.73	599.49	-407.42	0.23	-0.19	-4.11	
7,303.00	1.54	52.45	7,251.43	411.36	601.59	-409.05	0.14	-0.14	0.74	
7,397.00	1.54	61.41	7,345.40	412.74	603.70	-410.42	0.26	0.00	9.53	
7,492.00	1.41	65.28	7,440.37	413.84	605.88	-411.51	0.17	-0.14	4.07	
7,586.00	0.88	59.39	7,534.35	414.69	607.55	-412.35	0.58	-0.56	-6.27	
7,680.00	1.10	91.56	7,628.34	415.03	609.08	-412.69	0.63	0.23	34.22	
7,775.00	0.70	97.27	7,723.32	414.93	610.57	-412.59	0.43	-0.42	6.01	
7,869.00	0.97	94.90	7,817.31	414.79	611.93	-412.44	0.29	0.29	-2.52	
7,964.00	1.23	109.49	7,912.30	414.38	613.69	-412.02	0.40	0.27	15.36	
8,058.00	1.01	117.49	8,006.28	413.66	615.38	-411.30	0.29	-0.23	8.51	
8,153.00	0.88	123.99	8,101.27	412.87	616.72	-410.50	0.18	-0.14	6.84	
8,247.00	0.53	152.38	8,195.26	412.08	617.52	-409.71	0.52	-0.37	30.20	
8,342.00	0.22	259.61	8,290.26	411.66	617.55	-409.28	0.66	-0.33	112.87	
8,436.00	0.92	304.17	8,384.25	412.05	616.75	-409.68	0.83	0.74	47.40	

Survey Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well 13-108H - Slot PLU 13 DTD 108H SHL
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3476+27 @ 3503.00usft (HP467 ptd)
Site:	PLU 13 Dog Town Draw	MD Reference:	3476+27 @ 3503.00usft (HP467 ptd)
Well:	13-108H	North Reference:	Grid
Wellbore:	108H Lateral	Survey Calculation Method:	Minimum Curvature
Design:	108H Lateral AsDrilled	Database:	XTO_EDM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
8,530.00	1.01	287.64	8,478.24	412.73	615.33	-410.36	0.31	0.10	-17.59	
8,592.00	0.88	272.97	8,540.23	412.92	614.34	-410.55	0.44	-0.21	-23.66	
8,686.00	1.23	262.68	8,634.21	412.82	612.61	-410.47	0.42	0.37	-10.95	
8,781.00	1.76	248.62	8,729.18	412.16	610.24	-409.82	0.67	0.56	-14.80	
8,875.00	1.85	240.45	8,823.14	410.89	607.58	-408.55	0.29	0.10	-8.69	
8,969.00	1.41	241.68	8,917.10	409.59	605.24	-407.26	0.47	-0.47	1.31	
9,063.00	0.84	227.70	9,011.08	408.58	603.71	-406.26	0.67	-0.61	-14.87	
9,158.00	0.75	222.25	9,106.07	407.65	602.78	-405.33	0.12	-0.09	-5.74	
9,252.00	1.05	229.64	9,200.06	406.64	601.71	-404.32	0.34	0.32	7.86	
9,346.00	1.14	206.17	9,294.04	405.24	600.64	-402.93	0.48	0.10	-24.97	
9,441.00	1.36	203.01	9,389.02	403.35	599.79	-401.05	0.24	0.23	-3.33	
9,535.00	1.05	208.19	9,483.00	401.57	598.94	-399.27	0.35	-0.33	5.51	
9,630.00	0.40	243.79	9,577.99	400.65	598.23	-398.35	0.80	-0.68	37.47	
9,724.00	0.88	296.35	9,671.98	400.83	597.29	-398.53	0.76	0.51	55.91	
9,819.00	1.14	278.50	9,766.97	401.29	595.70	-399.00	0.43	0.27	-18.79	
9,913.00	1.45	271.21	9,860.95	401.46	593.59	-399.17	0.37	0.33	-7.76	
10,008.00	1.23	249.59	9,955.92	401.13	591.43	-398.85	0.58	-0.23	-22.76	
10,102.00	1.14	227.26	10,049.90	400.14	589.80	-397.87	0.50	-0.10	-23.76	
10,197.00	1.23	202.92	10,144.88	398.56	588.71	-396.30	0.53	0.09	-25.62	
10,276.00	1.41	198.87	10,223.86	396.86	588.06	-394.60	0.26	0.23	-5.13	
10,362.00	1.71	207.58	10,309.83	394.72	587.13	-392.46	0.44	0.35	10.13	
10,457.00	0.66	187.27	10,404.81	392.92	586.40	-390.67	1.17	-1.11	-21.38	
10,551.00	0.75	157.04	10,498.80	391.82	586.57	-389.56	0.40	0.10	-32.16	
10,645.00	0.53	141.91	10,592.79	390.91	587.08	-388.65	0.29	-0.23	-16.10	
10,739.00	0.92	111.95	10,686.79	390.28	588.05	-388.02	0.57	0.41	-31.87	
10,834.00	0.31	122.76	10,781.78	389.86	588.97	-387.60	0.65	-0.64	11.38	
10,926.00	0.48	187.27	10,873.78	389.34	589.13	-387.08	0.48	0.18	70.12	
10,986.00	0.60	194.98	10,933.78	388.79	589.02	-386.53	0.23	0.20	12.85	
10,995.49	1.39	191.56	10,943.26	388.63	588.99	-386.37	8.38	8.36	-35.99	
PLU 13 DTD 108H KOP										
11,031.00	4.37	189.81	10,978.73	386.87	588.67	-384.61	8.38	8.38	-4.94	
11,080.00	9.87	193.45	11,027.33	380.94	587.37	-378.69	11.26	11.22	7.43	
11,125.00	13.35	202.82	11,071.41	372.40	584.46	-370.15	8.77	7.73	20.82	
11,174.00	18.69	199.86	11,118.49	359.79	579.59	-357.57	11.02	10.90	-6.04	
11,218.00	21.12	193.75	11,159.86	345.46	575.31	-343.25	7.26	5.52	-13.89	
11,268.00	23.93	190.02	11,206.04	326.72	571.41	-324.52	6.30	5.62	-7.46	
11,320.00	25.58	190.34	11,253.26	305.29	567.56	-303.11	3.18	3.17	0.62	
11,384.00	30.42	187.04	11,309.76	275.60	563.09	-273.43	7.94	7.56	-5.16	
11,431.00	36.19	185.33	11,349.02	249.95	560.34	-247.80	12.44	12.28	-3.64	
11,478.00	41.44	185.64	11,385.63	220.63	557.52	-218.49	11.18	11.17	0.66	
11,572.00	48.38	183.54	11,452.17	154.53	552.29	-152.40	7.55	7.38	-2.23	
11,580.00	48.93	182.94	11,457.45	148.53	551.95	-146.41	8.92	6.89	-7.55	
Wellpath Crosses FTP										
11,616.00	51.45	180.34	11,480.50	120.89	551.17	-118.78	8.92	7.00	-7.21	

Survey Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well 13-108H - Slot PLU 13 DTD 108H SHL
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3476+27 @ 3503.00usft (HP467 ptd)
Site:	PLU 13 Dog Town Draw	MD Reference:	3476+27 @ 3503.00usft (HP467 ptd)
Well:	13-108H	North Reference:	Grid
Wellbore:	108H Lateral	Survey Calculation Method:	Minimum Curvature
Design:	108H Lateral AsDrilled	Database:	XTO_EDM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
PLU 13 DTD 108H FTP_330FNL_330FEL									
11,663.00	57.31	178.11	11,507.86	82.71	551.71	-80.59	13.05	12.47	-4.74
11,711.00	64.69	177.26	11,531.12	40.79	553.42	-38.67	15.45	15.37	-1.77
11,757.00	72.08	176.36	11,548.05	-1.87	555.81	4.01	16.17	16.07	-1.96
11,798.48	78.96	176.66	11,558.42	-41.94	558.25	44.08	16.59	16.57	0.73
PLU 13 DTD 108H 80° (191°PstFTP) - PLU 13 DTD 128H FTP_330FNL_330FEL									
11,804.00	79.87	176.70	11,559.43	-47.36	558.56	49.50	16.59	16.57	0.70
11,804.93	80.00	176.69	11,559.60	-48.27	558.61	50.41	13.97	13.94	-0.97
Wellpath is @ 80°									
11,851.00	86.42	176.25	11,565.04	-93.91	561.43	96.06	13.97	13.94	-0.96
11,862.66	87.55	175.82	11,565.65	-105.52	562.23	107.67	10.38	9.69	-3.73
PLU 13 DTD 108H LP (~254°PstFTP)									
11,880.00	89.23	175.17	11,566.14	-122.80	563.60	124.96	10.38	9.69	-3.72
11,946.00	89.14	174.47	11,567.08	-188.52	569.56	190.71	1.07	-0.14	-1.06
12,040.00	90.51	176.80	11,567.37	-282.24	576.71	284.45	2.88	1.46	2.48
12,139.00	89.14	177.37	11,567.67	-381.11	581.74	383.34	1.50	-1.38	0.58
12,234.00	89.85	176.04	11,568.51	-475.95	587.20	478.20	1.59	0.75	-1.40
12,328.00	90.11	176.88	11,568.54	-569.77	593.01	572.04	0.94	0.28	0.89
12,423.00	91.03	176.81	11,567.60	-664.62	598.24	666.91	0.97	0.97	-0.07
12,517.00	90.81	178.24	11,566.09	-758.51	602.29	760.82	1.54	-0.23	1.52
12,611.00	91.30	178.03	11,564.36	-852.45	605.35	854.77	0.57	0.52	-0.22
12,706.00	91.25	179.04	11,562.24	-947.39	607.78	949.72	1.06	-0.05	1.06
12,800.00	91.25	180.03	11,560.19	-1,041.37	608.54	1,043.70	1.05	0.00	1.05
12,894.00	90.86	180.09	11,558.46	-1,135.35	608.45	1,137.68	0.42	-0.41	0.06
12,989.00	90.37	180.30	11,557.44	-1,230.34	608.12	1,232.67	0.56	-0.52	0.22
13,083.00	89.80	180.74	11,557.30	-1,324.34	607.27	1,326.66	0.77	-0.61	0.47
13,178.00	89.23	180.47	11,558.10	-1,419.33	606.27	1,421.65	0.66	-0.60	-0.28
13,272.00	89.05	180.24	11,559.52	-1,513.32	605.68	1,515.63	0.31	-0.19	-0.24
13,366.00	88.88	181.03	11,561.21	-1,607.30	604.64	1,609.61	0.86	-0.18	0.84
13,461.00	88.84	180.60	11,563.10	-1,702.27	603.29	1,704.57	0.45	-0.04	-0.45
13,555.00	88.70	180.80	11,565.12	-1,796.24	602.14	1,798.54	0.26	-0.15	0.21
13,650.00	88.26	180.28	11,567.64	-1,891.20	601.25	1,893.49	0.72	-0.46	-0.55
13,744.00	89.32	181.49	11,569.63	-1,985.16	599.80	1,987.45	1.71	1.13	1.29
13,838.00	88.53	181.46	11,571.39	-2,079.12	597.38	2,081.39	0.84	-0.84	-0.03
13,932.00	89.54	180.76	11,572.97	-2,173.08	595.56	2,175.35	1.31	1.07	-0.74
14,027.00	88.44	178.91	11,574.65	-2,268.06	595.83	2,270.33	2.27	-1.16	-1.95
14,121.00	88.62	179.20	11,577.06	-2,362.02	597.38	2,364.30	0.36	0.19	0.31
14,216.00	88.88	179.60	11,579.13	-2,456.99	598.37	2,459.27	0.50	0.27	0.42
14,310.00	88.62	178.87	11,581.18	-2,550.96	599.63	2,553.24	0.82	-0.28	-0.78
14,404.00	88.70	179.09	11,583.38	-2,644.92	601.30	2,647.21	0.25	0.09	0.23
14,499.00	88.62	179.95	11,585.60	-2,739.89	602.10	2,742.18	0.91	-0.08	0.91
14,593.00	88.70	179.19	11,587.80	-2,833.86	602.80	2,836.15	0.81	0.09	-0.81
14,687.00	88.26	178.96	11,590.29	-2,927.81	604.32	2,930.11	0.53	-0.47	-0.24
14,782.00	88.40	179.29	11,593.06	-3,022.76	605.77	3,025.07	0.38	0.15	0.35

Survey Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well 13-108H - Slot PLU 13 DTD 108H SHL
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3476+27 @ 3503.00usft (HP467 ptd)
Site:	PLU 13 Dog Town Draw	MD Reference:	3476+27 @ 3503.00usft (HP467 ptd)
Well:	13-108H	North Reference:	Grid
Wellbore:	108H Lateral	Survey Calculation Method:	Minimum Curvature
Design:	108H Lateral AsDrilled	Database:	XTO_EDM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
14,876.00	89.14	180.56	11,595.08	-3,116.74	605.89	3,119.04	1.56	0.79	1.35	
14,971.00	87.82	179.87	11,597.60	-3,211.70	605.54	3,214.00	1.57	-1.39	-0.73	
15,065.00	87.96	179.35	11,601.06	-3,305.63	606.18	3,307.94	0.57	0.15	-0.55	
15,159.00	87.43	179.77	11,604.84	-3,399.56	606.90	3,401.86	0.72	-0.56	0.45	
15,254.00	88.18	180.24	11,608.48	-3,494.48	606.89	3,496.79	0.93	0.79	0.49	
15,348.00	88.44	179.64	11,611.25	-3,588.44	606.99	3,590.75	0.70	0.28	-0.64	
15,442.00	87.03	179.70	11,614.97	-3,682.37	607.53	3,684.67	1.50	-1.50	0.06	
15,507.00	88.66	180.00	11,617.41	-3,747.32	607.70	3,749.62	2.55	2.51	0.46	
15,601.00	89.45	176.31	11,618.96	-3,841.24	610.72	3,843.56	4.01	0.84	-3.93	
15,648.00	90.02	173.82	11,619.18	-3,888.06	614.77	3,890.39	5.43	1.21	-5.30	
15,689.00	90.15	172.11	11,619.12	-3,928.75	619.79	3,931.10	4.18	0.32	-4.17	
15,718.00	91.16	171.22	11,618.79	-3,957.44	623.99	3,959.81	4.64	3.48	-3.07	
15,748.00	91.65	172.30	11,618.05	-3,987.12	628.29	3,989.51	3.95	1.63	3.60	
15,779.00	91.08	175.13	11,617.31	-4,017.92	631.68	4,020.32	9.31	-1.84	9.13	
15,811.00	89.27	177.96	11,617.22	-4,049.86	633.61	4,052.26	10.50	-5.66	8.84	
15,842.00	88.22	180.90	11,617.89	-4,080.85	633.92	4,083.25	10.07	-3.39	9.48	
15,937.00	87.38	181.35	11,621.54	-4,175.76	632.05	4,178.15	1.00	-0.88	0.47	
16,031.00	87.78	180.47	11,625.51	-4,269.66	630.56	4,272.05	1.03	0.43	-0.94	
16,125.00	88.48	180.29	11,628.58	-4,363.61	629.94	4,366.00	0.77	0.74	-0.19	
16,220.00	90.02	181.12	11,629.82	-4,458.59	628.77	4,460.97	1.84	1.62	0.87	
16,314.00	90.59	180.51	11,629.32	-4,552.58	627.43	4,554.95	0.89	0.61	-0.65	
16,408.00	90.81	181.46	11,628.17	-4,646.56	625.82	4,648.93	1.04	0.23	1.01	
16,503.00	90.37	180.39	11,627.19	-4,741.54	624.28	4,743.90	1.22	-0.46	-1.13	
16,598.00	89.36	179.61	11,627.42	-4,836.54	624.28	4,838.90	1.34	-1.06	-0.82	
16,692.00	91.52	180.10	11,626.70	-4,930.53	624.52	4,932.89	2.36	2.30	0.52	
16,786.00	90.95	180.24	11,624.67	-5,024.50	624.24	5,026.86	0.62	-0.61	0.15	
16,880.00	90.73	180.04	11,623.29	-5,118.49	624.01	5,120.85	0.32	-0.23	-0.21	
16,975.00	86.50	180.05	11,625.59	-5,213.44	623.94	5,215.80	4.45	-4.45	0.01	
17,069.00	87.96	178.99	11,630.13	-5,307.33	624.73	5,309.69	1.92	1.55	-1.13	
17,164.00	90.73	179.14	11,631.22	-5,402.30	626.28	5,404.66	2.92	2.92	0.16	
17,258.00	91.78	180.63	11,629.16	-5,496.27	626.47	5,498.64	1.94	1.12	1.59	
17,353.00	92.04	180.76	11,625.99	-5,591.21	625.31	5,593.57	0.31	0.27	0.14	
17,447.00	91.38	179.29	11,623.19	-5,685.17	625.27	5,687.53	1.71	-0.70	-1.56	
17,541.00	91.78	180.27	11,620.59	-5,779.13	625.63	5,781.49	1.13	0.43	1.04	
17,635.00	92.00	181.36	11,617.49	-5,873.07	624.30	5,875.42	1.18	0.23	1.16	
17,729.00	91.69	180.75	11,614.47	-5,967.00	622.57	5,969.35	0.73	-0.33	-0.65	
17,824.00	91.56	180.32	11,611.77	-6,061.96	621.68	6,064.30	0.47	-0.14	-0.45	
17,919.00	91.38	179.24	11,609.34	-6,156.93	622.05	6,159.27	1.15	-0.19	-1.14	
18,013.00	91.03	179.98	11,607.36	-6,250.90	622.69	6,253.25	0.87	-0.37	0.79	
18,108.00	91.82	180.17	11,605.00	-6,345.87	622.56	6,348.22	0.86	0.83	0.20	
18,202.00	91.21	181.03	11,602.51	-6,439.83	621.58	6,442.17	1.12	-0.65	0.91	
18,296.00	87.25	179.70	11,603.77	-6,533.80	620.98	6,536.14	4.44	-4.21	-1.41	
18,391.00	86.02	178.74	11,609.35	-6,628.63	622.27	6,630.97	1.64	-1.29	-1.01	

Survey Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well 13-108H - Slot PLU 13 DTD 108H SHL
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3476+27 @ 3503.00usft (HP467 ptd)
Site:	PLU 13 Dog Town Draw	MD Reference:	3476+27 @ 3503.00usft (HP467 ptd)
Well:	13-108H	North Reference:	Grid
Wellbore:	108H Lateral	Survey Calculation Method:	Minimum Curvature
Design:	108H Lateral AsDrilled	Database:	XTO_EDM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
18,485.00	87.34	179.80	11,614.80	-6,722.46	623.46	6,724.80	1.80	1.40	1.13	
18,579.00	89.10	179.89	11,617.71	-6,816.41	623.72	6,818.75	1.87	1.87	0.10	
18,674.00	89.45	179.70	11,618.92	-6,911.40	624.06	6,913.74	0.42	0.37	-0.20	
18,768.00	90.55	178.35	11,618.92	-7,005.38	625.66	7,007.73	1.85	1.17	-1.44	
18,863.00	91.16	177.95	11,617.50	-7,100.32	628.72	7,102.68	0.77	0.64	-0.42	
18,957.00	93.98	178.82	11,613.28	-7,194.18	631.37	7,196.55	3.14	3.00	0.93	
19,051.00	91.91	179.71	11,608.46	-7,288.04	632.57	7,290.42	2.40	-2.20	0.95	
19,146.00	91.87	179.25	11,605.32	-7,382.99	633.44	7,385.36	0.49	-0.04	-0.48	
19,240.00	93.93	180.47	11,600.57	-7,476.86	633.67	7,479.24	2.55	2.19	1.30	
19,334.00	94.24	179.93	11,593.87	-7,570.62	633.34	7,572.99	0.66	0.33	-0.57	
19,429.00	94.07	180.86	11,586.99	-7,665.36	632.68	7,667.74	0.99	-0.18	0.98	
19,523.00	94.99	180.67	11,579.56	-7,759.06	631.43	7,761.43	1.00	0.98	-0.20	
19,617.00	94.33	181.42	11,571.93	-7,852.73	629.72	7,855.09	1.06	-0.70	0.80	
19,712.00	94.11	182.04	11,564.94	-7,947.43	626.86	7,949.78	0.69	-0.23	0.65	
19,806.00	88.62	181.74	11,562.70	-8,041.32	623.77	8,043.66	5.85	-5.84	-0.32	
19,900.00	90.42	181.49	11,563.48	-8,135.27	621.12	8,137.60	1.93	1.91	-0.27	
19,994.00	90.59	181.05	11,562.66	-8,229.25	619.03	8,231.56	0.50	0.18	-0.47	
20,089.00	86.29	180.47	11,565.24	-8,324.18	617.77	8,326.49	4.57	-4.53	-0.61	
20,184.00	90.37	181.15	11,568.01	-8,419.11	616.43	8,421.42	4.35	4.29	0.72	
20,278.00	91.91	180.85	11,566.14	-8,513.08	614.79	8,515.37	1.67	1.64	-0.32	
20,372.00	88.44	179.93	11,565.85	-8,607.06	614.15	8,609.35	3.82	-3.69	-0.98	
20,466.00	88.44	179.54	11,568.41	-8,701.02	614.59	8,703.32	0.41	0.00	-0.41	
20,561.00	90.59	179.54	11,569.22	-8,796.01	615.35	8,798.31	2.26	2.26	0.00	
20,655.00	91.47	179.00	11,567.53	-8,889.99	616.55	8,892.29	1.10	0.94	-0.57	
20,750.00	91.87	178.42	11,564.76	-8,984.92	618.68	8,987.23	0.74	0.42	-0.61	
20,844.00	88.79	179.35	11,564.22	-9,078.89	620.51	9,081.20	3.42	-3.28	0.99	
20,939.00	89.93	178.97	11,565.28	-9,173.87	621.91	9,176.19	1.26	1.20	-0.40	
21,033.00	90.29	179.23	11,565.10	-9,267.86	623.38	9,270.18	0.47	0.38	0.28	
21,128.00	90.81	178.88	11,564.18	-9,362.84	624.95	9,365.17	0.66	0.55	-0.37	
21,222.00	89.89	178.35	11,563.61	-9,456.81	627.22	9,459.15	1.13	-0.98	-0.56	
21,317.00	89.05	178.35	11,564.49	-9,551.77	629.96	9,554.11	0.88	-0.88	0.00	
21,411.00	90.81	178.38	11,564.60	-9,645.72	632.64	9,648.08	1.87	1.87	0.03	
21,505.00	91.30	177.82	11,562.87	-9,739.66	635.75	9,742.02	0.79	0.52	-0.60	
21,519.83	90.85	177.74	11,562.59	-9,754.47	636.33	9,756.84	3.09	-3.03	-0.57	
PLU 13 DTD 108H LTPp1_330FSL_330FEL										
21,522.12	90.78	177.72	11,562.56	-9,756.76	636.42	9,759.13	3.09	-3.03	-0.57	
PLU 13 DTD 108H LTPp2_330FSL_330FEL										
21,523.00	90.75	177.72	11,562.55	-9,757.64	636.45	9,760.01	3.09	-3.03	-0.57	
Wellpath Crosses LTP										
21,598.00	88.48	177.29	11,563.05	-9,832.56	639.72	9,834.94	3.09	-3.03	-0.57	
21,650.97	88.48	177.29	11,564.46	-9,885.45	642.22	9,887.85	0.00	0.00	0.00	
PLU 13 DTD 108H PBHL_200FS_330FEL										
21,652.48	88.48	177.29	11,564.50	-9,886.96	642.30	9,889.36	0.00	0.00	0.00	
PLU 13 DTD 108H PBHLp2_200FS_330FEL										

Survey Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well 13-108H - Slot PLU 13 DTD 108H SHL
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3476+27 @ 3503.00usft (HP467 ptd)
Site:	PLU 13 Dog Town Draw	MD Reference:	3476+27 @ 3503.00usft (HP467 ptd)
Well:	13-108H	North Reference:	Grid
Wellbore:	108H Lateral	Survey Calculation Method:	Minimum Curvature
Design:	108H Lateral AsDrilled	Database:	XTO_EDM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
21,655.80	88.48	177.29	11,564.58	-9,890.27	642.45	9,892.67	0.00	0.00	0.00	
PLU 13 DTD 108H PBHLP1_200FS_330FEL										
21,657.00	88.48	177.29	11,564.62	-9,891.47	642.51	9,893.86	0.00	0.00	0.00	
TD @ 195FSL,325FEL - PLU 13 DTD 108H BHL										

Design Targets										
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
PLU 13 DTD 108H SHL - actual wellpath hits target center - Point	0.00	0.00	0.00	0.00	0.00	440,189.10	656,233.80	32.2091878	-103.8281973	
PLU 13 DTD 108H FTP_ - actual wellpath misses target center by 66.25usft at 11616.00usft MD (11480.50 TVD, 120.89 N, 551.17 E) - Point	0.00	0.00	11,518.00	148.50	598.30	440,337.60	656,832.10	32.2095883	-103.8262607	
PLU 13 DTD 108H BHL - actual wellpath hits target center - Point	0.00	0.00	11,564.62	-9,891.47	642.51	430,297.63	656,876.31	32.1819888	-103.8262708	
PLU 13 DTD 108H PBH - actual wellpath misses target center by 11.47usft at 21652.48usft MD (11564.50 TVD, -9886.96 N, 642.30 E) - Rectangle (sides W80.00 H10,035.00 D0.00)	0.00	0.00	11,575.00	-9,886.90	637.70	430,302.20	656,871.50	32.1820015	-103.8262863	
PLU 13 DTD 108H LTP - actual wellpath misses target center by 12.46usft at 21522.12usft MD (11562.56 TVD, -9756.76 N, 636.42 E) - Point	0.00	0.00	11,575.00	-9,756.90	637.20	430,432.20	656,871.00	32.1823588	-103.8262860	

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
11,580.00	11,457.45	148.53	551.95	Wellpath Crosses FTP	
11,804.93	11,559.60	-48.27	558.61	Wellpath is @ 80°	
21,523.00	11,562.55	-9,757.64	636.45	Wellpath Crosses LTP	
21,657.00	11,564.62	-9,891.47	642.51	TD @ 195FSL,325FEL	

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------

District I

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District II

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District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45839		² Pool Code 98220		³ Pool Name PURPLE SAGE; WOLFCAMP	
⁴ Property Code 325310		⁵ Property Name POKER LAKE UNIT 13 DTD			⁶ Well Number 108H
⁷ OGRID No. 260787 373075		⁸ Operator Name XTO PERMIAN OPERATING, LLC			⁹ Elevation 3,476'
¹⁰ Surface Location					
UL or lot no. A	Section 24	Township 24 S	Range 30 E	Lot Idn	Feet from the 476
					North/South line NORTH
					Feet from the 929
					East/West line EAST
					County EDDY
¹¹ Bottom Hole Location If Different From Surface					
UL or lot no. H	Section 36	Township 24 S	Range 30 E	Lot Idn	Feet from the 2,440
					North/South line NORTH
					Feet from the 330
					East/West line EAST
					County EDDY
¹² Dedicated Acres		¹³ Joint or Infill		¹⁴ Consolidation Code	
				¹⁵ Order No. 331	

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.

	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 440,189.1 X= 656,233.8 LAT.= 32.209188°N LONG.= 103.828197°W FIRST TAKE POINT NAD 27 NME Y= 440,337.6 X= 656,832.1 LAT.= 32.209588°N LONG.= 103.826261°W	GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 440,247.9 X= 697,417.8 LAT.= 32.209311°N LONG.= 103.826682°W FIRST TAKE POINT NAD 83 NME Y= 440,396.4 X= 698,016.1 LAT.= 32.209712°N LONG.= 103.826746°W	17 OPERATOR CERTIFICATION <i>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> Kelly Kardos 06/30/18 Signature Date Kelly Kardos Printed Name kelly_kardos@xtoenergy.com E-mail Address
	CORNER COORDINATES TABLE NAD 83 NME A - Y= 440,723.1 N, X= 697,006.5 E B - Y= 440,727.5 N, X= 698,344.8 E C - Y= 438,084.4 N, X= 697,016.3 E D - Y= 438,089.0 N, X= 698,354.9 E E - Y= 435,442.2 N, X= 697,026.2 E F - Y= 435,446.2 N, X= 698,365.4 E G - Y= 432,801.0 N, X= 697,038.3 E H - Y= 432,803.4 N, X= 698,375.8 E I - Y= 430,159.4 N, X= 697,050.5 E J - Y= 430,161.2 N, X= 698,386.6 E K - Y= 427,521.4 N, X= 697,066.8 E L - Y= 427,523.1 N, X= 698,399.6 E		
	CORNER COORDINATES TABLE NAD 27 NME A - Y= 440,664.3 N, X= 655,822.5 E B - Y= 440,668.7 N, X= 657,160.8 E C - Y= 438,025.7 N, X= 655,832.2 E D - Y= 438,030.3 N, X= 657,170.8 E E - Y= 435,383.5 N, X= 655,842.0 E F - Y= 435,387.5 N, X= 657,181.2 E G - Y= 432,742.4 N, X= 655,854.0 E H - Y= 432,744.8 N, X= 657,191.5 E I - Y= 430,100.8 N, X= 655,866.2 E J - Y= 430,102.6 N, X= 657,202.2 E K - Y= 427,462.9 N, X= 655,882.4 E L - Y= 427,464.6 N, X= 657,215.1 E		
	LAST TAKE POINT NAD 27 NME Y= 427,792.3 X= 656,883.6 LAT.= 32.175102°N LONG.= 103.826286°W BOTTOM HOLE LOCATION NAD 27 NME Y= 427,662.3 X= 656,884.2 LAT.= 32.174744°N LONG.= 103.826286°W		
18 SURVEYOR CERTIFICATION <i>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.</i> 06-26-2018 Date of Survey Signature and Seal of Professional Surveyor:			
MARK DILLON HARP Certificate Number JC 2018010158			

Rw 4-11-19

Operator Name: XTO PERMIAN OPERATING LLC**Well Name:** POKER LAKE UNIT 13 DTD**Well Number:** 108H

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
PPP Leg #1	330	FNL	330	FEL	24S	30E	25	Aliquot NENE	32.19566	- 103.8285 6	EDD Y	NEW MEXI CO	NEW MEXI CO	F	NMLC0 061705 B	- 807 5	172 08	115 51
PPP Leg #1	198 0	FSL	330	FEL	24S	30E	25	Aliquot NESE	32.1884	- 103.8286 9	EDD Y	NEW MEXI CO	NEW MEXI CO	F	NMNM 015777 9	- 807 5	198 48	115 51
EXIT Leg #1	231 0	FNL	330	FEL	24S	30E	36	Aliquot SENE	32.17522 5	- 103.8267 69	EDD Y	NEW MEXI CO	NEW MEXI CO	S	STATE	- 807 5	244 73	115 51
BHL Leg #1	244 0	FNL	330	FEL	24S	30E	36	Aliquot SENE	32.17486 8	- 103.8267 69	EDD Y	NEW MEXI CO	NEW MEXI CO	S	STATE	- 767 5	246 03	111 51

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 13 DTD		
								6. Well Number: 108H		
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	24	24S	30E		476	North	929	East	Eddy
BH:	P	25	24S	30E		195	South	325	East	Eddy
13. Date Spudded 2/24/2020	14. Date T.D. Reached 4/4/2020		15. Date Rig Released 4/8/2020		16. Date Completed (Ready to Produce) 6/17/2021			17. Elevations (DF and RKB, RT, GR, etc.) 3476' GL		
18. Total Measured Depth of Well 21,657			19. Plug Back Measured Depth 21,655		20. Was Directional Survey Made? Yes			21. Type Electric and Other Logs Run CBL		
22. Producing Interval(s), of this completion - Top, Bottom, Name 11,886 - 21,485 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		784'		17 1/2"		850		
9 5/8"		40.0		10,346'		12 1/4"		4100		
5 1/2"		23.0		21,657'		8 1/2"		2520		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
					2 7/8"	11,153	11,139			
26. Perforation record (interval, size, and number) 11,886 - 21,485 4spf, 1152 Total Shots 71 stages					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
					11,886 - 21,485		530,404 bbl fluid + 24,960,109 lbs proppant			
28. PRODUCTION										
Date First Production 6/18/21		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in) Producing				
Date of Test 6/19/21	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 1218	Gas - MCF 3678	Water - Bbl. 7416	Gas - Oil Ratio 3018			
Flow Tubing Press. 1022	Casing Pressure 1125	Calculated 24-Hour Rate	Oil - Bbl. 1218	Gas - MCF 3678	Water - Bbl. 7416	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>Cassie Evans</i>			Printed Name Cassie Evans		Title Regulatory Analyst			Date 08/13/2021		
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 929'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 4047'	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 4258'	T. Morrison	
T. Drinkard	T. Bone Springs 8125'	T. Todilto	
T. Abo	T. Rustler 549'	T. Entrada	
T. Wolfcamp 11516'	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

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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 41961

ACKNOWLEDGMENTS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 41961
	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

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

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

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

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

CONDITIONS

Action 41961

CONDITIONS

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

Created By	Condition	Condition Date
ksimmons	None	9/23/2021