

District
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

FonnC-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

O AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address XTO Energy, Inc. 6401 HOLIDAY IDLL ROAD BLDG 5 MIDLAND, TX 79707		² OGRID Number 373075
		³ Reason for Filing Code/ Effective Date NW
⁴ APINumber 30 - 015-46249	⁵ PoolName PURPLE SAGE; WOLFCAMP (GAS)	⁶ Pool Code 98220
⁷ Property Code 326075	⁸ Property Name POKER LAKE UNIT 27 BD	⁹ Well Number 161H

II. Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
E	27	25S	30E		2510	North	603	West	EDDY

n 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
E	10	26S	30E		2440	North	340	West	Eddy
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number I	¹⁶ C-129 Effective Date I	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

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

IV. Well Completion Data

²¹ Spud Date 01/01/2020	²² Ready Date 11/9/22	²³ MFTD 27746 MFTD 12031 TVD	²⁴ JTD 12031 TVD	²⁵ Perforations 12,359 TO 27,592	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casin! & Tubin! Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5	13.375 J55 68#	1,262	1,405		
12.25	9.625 HCL80 40#	11,342	3,390	4970	
8.5	5.5P11023#	27,746	4,580	5690	
	2 7/8 L80 6.5#	11,385			

V. Well Test Data

³¹ Date New Oil 11/10/22	³² Gas Delivery Date 11/11/22	³³ Test Date 11/11/22	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 3212	³⁶ Csg. Pressure 316
³⁷ Choke Size 123	³⁸ on	³⁹ Water 2755	⁴⁰ Gas 3767		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:

Amanda Thames

Printed name:

Amanda Thames

Title:

Reirulatory Analyst

E-mail Address:

amanda.thames@exxonmobil.com

Date:

12/12/2022

Phone:

432.221.7340

OIL CONSERVATION DIVISION

Approved by:

PATRICIA MARTINEZ

Title:

PETROLEUM SPECIALIST

Approval Date:

4/9/2025

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 30-015-46249		² Pool Code 98220		³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)	
⁴ Property Code 326075		⁵ Property Name POKER LAKE UNIT 27 BD			⁶ Well Number 161H
⁷ OGRID No. 373075		⁸ Operator Name XTO PERMIAN OPERATING, LLC.			⁹ Elevation 3,268'

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
E	27	25 S	30 E		2,510	NORTH	603	WEST	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
E	10	26 S	30 E		2,440	NORTH	340	WEST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
960			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division. NOTE: AS-DRILLED BOTTOM HOLE PLOTTED FROM DATA FURNISHED BY XTO ENERGY.

	SHL (NAD83 NME) Y = 400,971.2 X = 683,066.4 LAT. = 32.101522 "N LONG. = 103.875623 "W KOP (NAD83 NME) Y = 401,030.1 X = 682,752.8 LAT. = 32.101688 "N LONG. = 103.876635 "W FTP (NAD83 NME) Y = 400,442.6 X = 682,794.0 LAT. = 32.100072 "N LONG. = 103.876510 "W CORNER COORDINATES (NAD83 NME) A - Y = 400,813.4 N , X = 682,463.6 E B - Y = 400,827.9 N , X = 683,790.5 E C - Y = 398,152.3 N , X = 682,461.9 E D - Y = 398,165.1 N , X = 683,790.3 E E - Y = 395,489.3 N , X = 682,459.2 E F - Y = 395,500.1 N , X = 683,788.4 E G - Y = 392,828.3 N , X = 682,455.8 E H - Y = 392,838.6 N , X = 683,786.1 E I - Y = 390,169.9 N , X = 682,467.5 E J - Y = 390,179.7 N , X = 683,799.1 E K - Y = 387,510.3 N , X = 682,478.3 E L - Y = 387,519.6 N , X = 683,811.6 E M - Y = 384,852.0 N , X = 682,495.3 E N - Y = 384,860.9 N , X = 683,829.3 E SHL (NAD27 NME) Y = 400,913.0 X = 641,881.2 LAT. = 32.101397 "N LONG. = 103.875141 "W KOP (NAD27 NME) Y = 400,971.9 X = 641,567.7 LAT. = 32.101563 "N LONG. = 103.876153 "W FTP (NAD27 NME) Y = 400,384.4 X = 641,608.8 LAT. = 32.099947 "N LONG. = 103.876028 "W CORNER COORDINATES (NAD27 NME) A - Y = 400,755.2 N , X = 641,278.5 E B - Y = 400,769.9 N , X = 642,605.3 E C - Y = 398,094.2 N , X = 641,276.6 E D - Y = 398,107.2 N , X = 642,605.0 E E - Y = 395,431.3 N , X = 641,273.9 E F - Y = 395,442.3 N , X = 642,603.0 E G - Y = 392,770.3 N , X = 641,270.4 E H - Y = 392,780.8 N , X = 642,600.6 E I - Y = 390,112.0 N , X = 641,282.0 E J - Y = 390,121.9 N , X = 642,613.5 E K - Y = 387,452.4 N , X = 641,292.7 E L - Y = 387,461.9 N , X = 642,625.9 E M - Y = 384,794.2 N , X = 641,309.6 E N - Y = 384,803.3 N , X = 642,643.6 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. Amanda Thames 12/12/2022 Signature Date Amanda Thames Printed Name amanda.thames@exxonmobil.com E-mail Address
	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 11-14-2022 Date of Survey Signature and Seal of Professional Surveyor: MARK DILLON HARP 23786 Certificate Number LS 2018010087	

Intent ☐ As Drilled ☒

API # 30-015-46249		
Operator Name: XTO PERMIAN OPERATING, LLC.	Property Name: POKER LAKE UNIT 27 BD	Well Number 161H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
E	27	25S	30E		2,447	FNL	289	FWL	EDDY
Latitude 32.101688					Longitude 103.876635				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
L	27	25S	30E		2,287	FSL	331	FWL	EDDY
Latitude 32.100072					Longitude 103.876510				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
E	10	26S	30E		2,286	FNL	337	FWL	EDDY
Latitude 32.058246					Longitude 103.876600				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

KZ 06/29/2018



Final MWD Survey Certification

County, State: Lea County, New Mexico

Client: XTO Energy Inc.

Well Name: Poker Lake Unit 27 BD #161H

API No: 30-015-46249

Start Date: January 02, 2020

End Date: March 07, 2020

Measure Start Depth: 137.00'

Measured End Depth: 27,746.00'

Vertical Section from SHL to TD: 180.88° Azm

I, Jason Turner, MWD Coordinator, hereby certify that; I am employed by Newsco International Energy Services, Inc. and we conducted or supervised the taking of these open hole MWD surveys at the request of this client. This data is true, correct, complete and within the limitations of the tool as set forth by Newsco International Energy Services, Inc. I am authorized and qualified to make this report and have reviewed this report and find that it conforms to the principals and procedures as set forth by Newsco International Energy Services, Inc.

Date: 03/30/2020

Sign: *Jason Turner*

**12029 Brittmoore Park Drive, Houston, Texas US 77041
O: 832.924.4020 | www.newsco-drilling.com**



XTO ENERGY INC.

EDDY CO., NM (NAD27)

SEC 27-T25S-R30E

PLU 27 BD #161H

Wellbore #1

Survey: Survey #1

Standard Survey Report

30 March, 2020





Survey Report



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 27 BD #161H
Project:	EDDY CO., NM (NAD27)	TVD Reference:	RKB (GL+23') @ 3291.00usft (Nabors M7504)
Site:	SEC 27-T25S-R30E	MD Reference:	RKB (GL+23') @ 3291.00usft (Nabors M7504)
Well:	PLU 27 BD #161H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.15 Single User Db

Project	EDDY CO., NM (NAD27)		
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	SEC 27-T25S-R30E		
Site Position:		Northing:	400,913.20 usft
From:	Map	Easting:	641,881.20 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 6' 5.032 N
		Longitude:	103° 52' 30.509 W
		Grid Convergence:	0.24 °

Well	PLU 27 BD #161H		
Well Position	+N/-S	0.00 usft	Northing: 400,913.20 usft
	+E/-W	0.00 usft	Easting: 641,881.20 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 6' 5.032 N
		Longitude:	103° 52' 30.509 W
		Ground Level:	3,268.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/05/19	6.83	59.87	47,589.78

Design	Surveys				
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	180.88	

Survey Program	Date	03/30/20			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
137.00	27,746.00	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
137.00	1.01	0.38	136.99	1.21	0.01	-1.21	0.74	0.74	0.00	
228.00	1.10	2.22	227.98	2.88	0.05	-2.88	0.11	0.10	2.02	
322.00	1.54	6.53	321.95	5.04	0.23	-5.04	0.48	0.47	4.59	
417.00	1.45	28.59	416.92	7.36	0.95	-7.38	0.61	-0.09	23.22	
425.00	1.27	31.67	424.92	7.53	1.04	-7.54	2.43	-2.25	38.50	
517.00	1.41	50.39	516.89	9.12	2.45	-9.15	0.50	0.15	20.35	
607.00	0.75	35.01	606.88	10.30	3.64	-10.36	0.79	-0.73	-17.09	
705.00	0.70	88.80	704.87	10.84	4.61	-10.91	0.67	-0.05	54.89	
799.00	0.75	104.88	798.86	10.70	5.77	-10.78	0.22	0.05	17.11	



Survey Report



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 27 BD #161H
Project:	EDDY CO., NM (NAD27)	TVD Reference:	RKB (GL+23') @ 3291.00usft (Nabors M7504)
Site:	SEC 27-T25S-R30E	MD Reference:	RKB (GL+23') @ 3291.00usft (Nabors M7504)
Well:	PLU 27 BD #161H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.15 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
894.00	0.79	127.73	893.85	10.14	6.89	-10.24	0.32	0.04	24.05	
988.00	0.66	119.73	987.85	9.47	7.88	-9.59	0.17	-0.14	-8.51	
1,083.00	0.40	138.54	1,082.84	8.95	8.57	-9.08	0.33	-0.27	19.80	
1,178.00	0.97	170.89	1,177.84	7.91	8.92	-8.04	0.70	0.60	34.05	
1,224.00	1.27	175.54	1,223.83	7.02	9.02	-7.15	0.68	0.65	10.11	
1,347.00	1.19	185.55	1,346.80	4.39	9.00	-4.52	0.19	-0.07	8.14	
1,442.00	1.11	207.16	1,441.78	2.59	8.49	-2.72	0.46	-0.08	22.75	
1,536.00	1.19	211.78	1,535.76	0.95	7.56	-1.06	0.13	0.09	4.91	
1,630.00	1.25	226.31	1,629.74	-0.59	6.30	0.50	0.33	0.06	15.46	
1,725.00	1.34	229.26	1,724.72	-2.03	4.71	1.96	0.12	0.09	3.11	
1,819.00	1.40	253.73	1,818.69	-3.07	2.77	3.03	0.62	0.06	26.03	
1,914.00	1.58	264.23	1,913.66	-3.53	0.36	3.52	0.34	0.19	11.05	
2,009.00	1.63	271.43	2,008.62	-3.63	-2.30	3.66	0.22	0.05	7.58	
2,103.00	1.58	268.71	2,102.58	-3.62	-4.93	3.70	0.10	-0.05	-2.89	
2,198.00	2.07	268.97	2,197.54	-3.68	-7.95	3.80	0.52	0.52	0.27	
2,292.00	2.02	273.63	2,291.48	-3.61	-11.30	3.78	0.18	-0.05	4.96	
2,387.00	2.24	285.49	2,386.41	-3.01	-14.76	3.23	0.52	0.23	12.48	
2,482.00	2.86	293.84	2,481.32	-1.55	-18.72	1.84	0.76	0.65	8.79	
2,577.00	2.95	287.25	2,576.19	0.13	-23.22	0.23	0.36	0.09	-6.94	
2,672.00	2.77	280.57	2,671.08	1.28	-27.81	-0.85	0.40	-0.19	-7.03	
2,766.00	3.25	281.19	2,764.95	2.21	-32.66	-1.71	0.51	0.51	0.66	
2,861.00	3.74	286.64	2,859.77	3.62	-38.27	-3.03	0.62	0.52	5.74	
2,955.00	3.69	282.42	2,953.57	5.15	-44.16	-4.47	0.30	-0.05	-4.49	
3,050.00	4.00	277.67	3,048.36	6.25	-50.43	-5.47	0.47	0.33	-5.00	
3,145.00	3.38	274.77	3,143.16	6.92	-56.51	-6.05	0.68	-0.65	-3.05	
3,240.00	2.55	279.17	3,238.03	7.49	-61.38	-6.55	0.91	-0.87	4.63	
3,335.00	2.99	293.40	3,332.92	8.81	-65.74	-7.80	0.86	0.46	14.98	
3,428.00	2.73	281.54	3,425.81	10.22	-70.14	-9.14	0.69	-0.28	-12.75	
3,523.00	3.08	254.03	3,520.69	9.97	-74.81	-8.82	1.50	0.37	-28.96	
3,618.00	2.68	252.80	3,615.57	8.61	-79.39	-7.39	0.43	-0.42	-1.29	
3,713.00	2.37	264.75	3,710.48	7.77	-83.46	-6.49	0.64	-0.33	12.58	
3,806.00	2.73	265.54	3,803.39	7.43	-87.59	-6.08	0.39	0.39	0.85	
3,901.00	3.60	280.57	3,898.24	7.80	-92.77	-6.37	1.26	0.92	15.82	
3,996.00	4.35	288.66	3,993.01	9.50	-99.12	-7.97	0.98	0.79	8.52	
4,090.00	4.40	290.86	4,086.74	11.92	-105.87	-10.29	0.19	0.05	2.34	
4,185.00	4.35	290.68	4,181.46	14.49	-112.64	-12.76	0.05	-0.05	-0.19	
4,278.00	4.35	293.58	4,274.20	17.15	-119.18	-15.32	0.24	0.00	3.12	
4,372.00	4.31	292.79	4,367.93	19.94	-125.70	-18.01	0.08	-0.04	-0.84	
4,466.00	4.09	294.99	4,461.68	22.73	-131.99	-20.70	0.29	-0.23	2.34	
4,561.00	4.31	286.55	4,556.42	25.18	-138.49	-23.05	0.69	0.23	-8.88	
4,655.00	4.92	279.78	4,650.12	26.87	-145.84	-24.62	0.87	0.65	-7.20	
4,749.00	4.97	278.64	4,743.77	28.16	-153.84	-25.80	0.12	0.05	-1.21	
4,844.00	4.62	277.06	4,838.43	29.25	-161.71	-26.76	0.39	-0.37	-1.66	
4,939.00	4.35	276.97	4,933.14	30.16	-169.08	-27.56	0.28	-0.28	-0.09	



Survey Report



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 27 BD #161H
Project:	EDDY CO., NM (NAD27)	TVD Reference:	RKB (GL+23') @ 3291.00usft (Nabors M7504)
Site:	SEC 27-T25S-R30E	MD Reference:	RKB (GL+23') @ 3291.00usft (Nabors M7504)
Well:	PLU 27 BD #161H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,033.00	3.96	276.97	5,026.90	30.98	-175.84	-28.28	0.41	-0.41	0.00
5,128.00	4.04	277.85	5,121.66	31.84	-182.41	-29.03	0.11	0.08	0.93
5,223.00	4.18	276.53	5,216.42	32.69	-189.17	-29.78	0.18	0.15	-1.39
5,316.00	4.04	278.11	5,309.18	33.54	-195.78	-30.53	0.19	-0.15	1.70
5,411.00	3.82	278.11	5,403.96	34.46	-202.22	-31.35	0.23	-0.23	0.00
5,506.00	3.60	275.04	5,498.76	35.17	-208.33	-31.96	0.31	-0.23	-3.23
5,600.00	3.56	276.27	5,592.57	35.74	-214.17	-32.45	0.09	-0.04	1.31
5,694.00	3.65	276.79	5,686.39	36.42	-220.04	-33.03	0.10	0.10	0.55
5,789.00	3.87	279.43	5,781.18	37.30	-226.21	-33.82	0.29	0.23	2.78
5,883.00	4.44	283.12	5,874.94	38.64	-232.88	-35.06	0.67	0.61	3.93
5,977.00	4.35	282.07	5,968.66	40.22	-239.91	-36.53	0.13	-0.10	-1.12
6,072.00	4.09	278.82	6,063.40	41.49	-246.78	-37.69	0.37	-0.27	-3.42
6,166.00	4.09	278.29	6,157.16	42.49	-253.41	-38.59	0.04	0.00	-0.56
6,260.00	4.09	277.58	6,250.92	43.41	-260.05	-39.41	0.05	0.00	-0.76
6,355.00	4.04	276.09	6,345.69	44.21	-266.74	-40.11	0.12	-0.05	-1.57
6,449.00	3.91	276.18	6,439.46	44.91	-273.21	-40.71	0.14	-0.14	0.10
6,544.00	3.12	277.85	6,534.28	45.61	-279.00	-41.32	0.84	-0.83	1.76
6,638.00	2.95	278.20	6,628.15	46.31	-283.92	-41.94	0.18	-0.18	0.37
6,733.00	2.90	275.48	6,723.02	46.88	-288.74	-42.44	0.16	-0.05	-2.86
6,827.00	2.90	276.09	6,816.90	47.36	-293.47	-42.85	0.03	0.00	0.65
6,921.00	2.95	273.37	6,910.78	47.76	-298.25	-43.17	0.16	0.05	-2.89
7,016.00	2.73	279.52	7,005.66	48.28	-302.92	-43.62	0.40	-0.23	6.47
7,110.00	2.46	294.81	7,099.57	49.49	-306.96	-44.77	0.79	-0.29	16.27
7,204.00	2.20	299.73	7,193.49	51.23	-310.36	-46.46	0.35	-0.28	5.23
7,299.00	1.80	308.43	7,288.43	53.07	-313.11	-48.25	0.53	-0.42	9.16
7,393.00	1.05	332.78	7,382.41	54.75	-314.66	-49.91	1.01	-0.80	25.90
7,488.00	0.62	2.93	7,477.40	56.04	-315.03	-51.19	0.63	-0.45	31.74
7,582.00	0.70	356.33	7,571.39	57.12	-315.04	-52.27	0.12	0.09	-7.02
7,677.00	0.53	19.19	7,666.38	58.11	-314.93	-53.27	0.31	-0.18	24.06
7,771.00	0.62	52.15	7,760.38	58.83	-314.39	-54.00	0.36	0.10	35.06
7,866.00	0.57	49.42	7,855.37	59.46	-313.62	-54.63	0.06	-0.05	-2.87
7,960.00	0.44	91.87	7,949.37	59.75	-312.91	-54.94	0.41	-0.14	45.16
8,055.00	0.48	42.30	8,044.37	60.03	-312.28	-55.23	0.41	0.04	-52.18
8,150.00	0.57	31.75	8,139.36	60.73	-311.76	-55.93	0.14	0.09	-11.11
8,244.00	0.57	53.29	8,233.36	61.40	-311.14	-56.62	0.23	0.00	22.91
8,339.00	0.62	62.78	8,328.35	61.92	-310.30	-57.15	0.12	0.05	9.99
8,433.00	0.48	37.47	8,422.35	62.47	-309.61	-57.70	0.29	-0.15	-26.93
8,526.00	0.57	345.35	8,515.35	63.22	-309.49	-58.46	0.50	0.10	-56.04
8,620.00	0.70	320.12	8,609.34	64.12	-309.98	-59.35	0.32	0.14	-26.84
8,714.00	0.75	316.34	8,703.33	65.00	-310.77	-60.22	0.07	0.05	-4.02
8,809.00	0.84	307.03	8,798.32	65.87	-311.76	-61.08	0.17	0.09	-9.80
8,903.00	0.75	292.00	8,892.32	66.52	-312.88	-61.70	0.24	-0.10	-15.99
8,996.00	0.79	258.78	8,985.31	66.62	-314.07	-61.79	0.48	0.04	-35.72



Survey Report



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 27 BD #161H
Project:	EDDY CO., NM (NAD27)	TVD Reference:	RKB (GL+23') @ 3291.00usft (Nabors M7504)
Site:	SEC 27-T25S-R30E	MD Reference:	RKB (GL+23') @ 3291.00usft (Nabors M7504)
Well:	PLU 27 BD #161H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,090.00	0.97	255.17	9,079.30	66.29	-315.47	-61.44	0.20	0.19	-3.84
9,184.00	1.27	250.34	9,173.28	65.74	-317.22	-60.86	0.33	0.32	-5.14
9,278.00	1.49	245.86	9,267.25	64.89	-319.32	-59.97	0.26	0.23	-4.77
9,372.00	1.23	226.26	9,361.23	63.69	-321.16	-58.75	0.56	-0.28	-20.85
9,466.00	0.75	180.20	9,455.21	62.38	-321.90	-57.43	0.95	-0.51	-49.00
9,561.00	0.84	171.24	9,550.20	61.07	-321.79	-56.12	0.16	0.09	-9.43
9,655.00	1.10	156.03	9,644.19	59.56	-321.32	-54.62	0.39	0.28	-16.18
9,750.00	0.97	142.85	9,739.17	58.09	-320.46	-53.16	0.28	-0.14	-13.87
9,844.00	0.97	166.67	9,833.16	56.68	-319.80	-51.76	0.43	0.00	25.34
9,939.00	1.01	163.77	9,928.15	55.09	-319.38	-50.18	0.07	0.04	-3.05
10,034.00	0.79	45.38	10,023.14	54.75	-318.68	-49.85	1.63	-0.23	-124.62
10,127.00	1.19	46.78	10,116.13	55.86	-317.52	-50.98	0.43	0.43	1.51
10,222.00	0.75	59.26	10,211.11	56.85	-316.27	-51.99	0.51	-0.46	13.14
10,316.00	0.53	32.90	10,305.11	57.53	-315.50	-52.68	0.39	-0.23	-28.04
10,411.00	0.48	22.53	10,400.10	58.27	-315.11	-53.42	0.11	-0.05	-10.92
10,505.00	0.66	17.78	10,494.10	59.15	-314.79	-54.31	0.20	0.19	-5.05
10,599.00	0.62	354.23	10,588.09	60.17	-314.68	-55.33	0.28	-0.04	-25.05
10,694.00	0.26	355.72	10,683.09	60.90	-314.75	-56.05	0.38	-0.38	1.57
10,789.00	0.26	356.07	10,778.09	61.33	-314.78	-56.48	0.00	0.00	0.37
10,883.00	0.09	30.35	10,872.09	61.60	-314.76	-56.76	0.20	-0.18	36.47
10,978.00	0.35	101.10	10,967.09	61.61	-314.43	-56.77	0.35	0.27	74.47
11,073.00	0.48	134.41	11,062.09	61.28	-313.86	-56.45	0.28	0.14	35.06
11,168.00	0.35	159.28	11,157.08	60.73	-313.48	-55.91	0.23	-0.14	26.18
11,262.00	0.40	187.15	11,251.08	60.13	-313.42	-55.31	0.20	0.05	29.65
11,373.00	0.26	219.31	11,362.08	59.55	-313.63	-54.73	0.20	-0.13	28.97
11,424.00	1.41	173.15	11,413.07	58.84	-313.62	-54.02	2.44	2.25	-90.51
11,466.00	6.04	172.07	11,454.97	56.14	-313.26	-51.32	11.02	11.02	-2.57
11,513.00	12.61	173.68	11,501.33	48.58	-312.35	-43.78	13.99	13.98	3.43
11,561.00	18.77	174.84	11,547.52	35.67	-311.08	-30.89	12.85	12.83	2.42
11,608.00	20.42	175.25	11,591.79	19.97	-309.72	-15.21	3.52	3.51	0.87
11,655.00	25.84	177.59	11,635.00	1.55	-308.61	3.19	11.69	11.53	4.98
11,750.00	33.93	177.35	11,717.30	-45.70	-306.51	50.40	8.52	8.52	-0.25
11,845.00	38.22	176.00	11,794.07	-101.53	-303.23	106.17	4.59	4.52	-1.42
11,940.00	44.44	172.12	11,865.38	-163.86	-296.61	168.40	7.08	6.55	-4.08
12,033.00	54.46	174.05	11,925.77	-233.93	-288.21	238.32	10.89	10.77	2.08
12,128.00	61.07	176.19	11,976.41	-313.94	-281.43	318.23	7.21	6.96	2.25
12,221.00	66.25	178.22	12,017.67	-397.16	-277.40	401.37	5.90	5.57	2.18
12,315.00	74.26	177.83	12,049.40	-485.51	-274.34	489.66	8.53	8.52	-0.41
12,409.00	86.74	177.17	12,064.88	-577.94	-270.30	582.03	13.29	13.28	-0.70
12,503.00	91.96	178.62	12,065.95	-671.84	-266.85	675.86	5.76	5.55	1.54
12,598.00	88.34	178.92	12,065.70	-766.80	-264.81	770.78	3.82	-3.81	0.32
12,725.00	88.38	178.93	12,069.33	-893.73	-262.43	897.65	0.03	0.03	0.01
12,820.00	88.04	179.82	12,072.30	-988.67	-261.39	992.57	1.00	-0.36	0.94



Survey Report



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 27 BD #161H
Project:	EDDY CO., NM (NAD27)	TVD Reference:	RKB (GL+23') @ 3291.00usft (Nabors M7504)
Site:	SEC 27-T25S-R30E	MD Reference:	RKB (GL+23') @ 3291.00usft (Nabors M7504)
Well:	PLU 27 BD #161H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,914.00	89.44	180.15	12,074.37	-1,082.65	-261.37	1,086.54	1.53	1.49	0.35
13,008.00	88.61	179.38	12,075.97	-1,176.63	-260.98	1,180.50	1.20	-0.88	-0.82
13,103.00	89.72	179.14	12,077.35	-1,271.61	-259.76	1,275.45	1.20	1.17	-0.25
13,196.00	91.30	177.21	12,076.53	-1,364.56	-256.79	1,368.34	2.68	1.70	-2.08
13,290.00	93.74	181.09	12,072.39	-1,458.43	-255.40	1,462.18	4.87	2.60	4.13
13,385.00	92.89	180.10	12,066.90	-1,553.26	-256.38	1,557.02	1.37	-0.89	-1.04
13,479.00	92.19	181.02	12,062.73	-1,647.16	-257.30	1,650.92	1.23	-0.74	0.98
13,574.00	91.54	181.08	12,059.64	-1,742.10	-259.04	1,745.87	0.69	-0.68	0.06
13,669.00	88.49	181.45	12,059.62	-1,837.06	-261.14	1,840.86	3.23	-3.21	0.39
13,763.00	90.50	184.89	12,060.44	-1,930.90	-266.34	1,934.76	4.24	2.14	3.66
13,858.00	88.38	183.34	12,061.37	-2,025.64	-273.15	2,029.60	2.76	-2.23	-1.63
13,952.00	88.70	181.19	12,063.77	-2,119.53	-276.87	2,123.53	2.31	0.34	-2.29
14,046.00	89.58	180.39	12,065.18	-2,213.51	-278.16	2,217.52	1.27	0.94	-0.85
14,141.00	92.30	182.32	12,063.62	-2,308.46	-280.41	2,312.49	3.51	2.86	2.03
14,235.00	90.69	181.59	12,061.17	-2,402.37	-283.61	2,406.44	1.88	-1.71	-0.78
14,329.00	86.90	180.67	12,063.14	-2,496.31	-285.46	2,500.40	4.15	-4.03	-0.98
14,424.00	90.11	181.26	12,065.62	-2,591.25	-287.06	2,595.35	3.44	3.38	0.62
14,518.00	92.03	181.81	12,063.87	-2,685.19	-289.58	2,689.33	2.12	2.04	0.59
14,613.00	90.35	179.55	12,061.89	-2,780.16	-290.71	2,784.29	2.96	-1.77	-2.38
14,708.00	88.94	177.59	12,062.48	-2,875.12	-288.34	2,879.21	2.54	-1.48	-2.06
14,802.00	92.13	179.14	12,061.60	-2,969.06	-285.66	2,973.10	3.77	3.39	1.65
14,898.00	91.15	178.20	12,058.86	-3,064.99	-283.43	3,068.99	1.41	-1.02	-0.98
14,992.00	90.69	178.20	12,057.35	-3,158.94	-280.48	3,162.87	0.49	-0.49	0.00
15,087.00	90.22	178.60	12,056.59	-3,253.90	-277.82	3,257.78	0.65	-0.49	0.42
15,181.00	89.54	180.28	12,056.79	-3,347.89	-276.91	3,351.74	1.93	-0.72	1.79
15,276.00	89.86	182.15	12,057.29	-3,442.86	-278.92	3,446.74	2.00	0.34	1.97
15,370.00	90.74	183.75	12,056.80	-3,536.73	-283.76	3,540.67	1.94	0.94	1.70
15,465.00	88.43	184.17	12,057.48	-3,631.49	-290.32	3,635.52	2.47	-2.43	0.44
15,560.00	90.67	184.20	12,058.23	-3,726.23	-297.25	3,730.36	2.36	2.36	0.03
15,654.00	87.70	182.40	12,059.57	-3,820.05	-302.66	3,824.25	3.69	-3.16	-1.91
15,748.00	86.29	178.08	12,064.50	-3,913.90	-303.05	3,918.09	4.83	-1.50	-4.60
15,842.00	87.21	175.37	12,069.83	-4,007.58	-297.69	4,011.68	3.04	0.98	-2.88
15,937.00	88.22	174.02	12,073.61	-4,102.10	-288.92	4,106.05	1.77	1.06	-1.42
16,048.00	90.74	174.77	12,074.62	-4,212.55	-278.08	4,216.33	2.37	2.27	0.68
16,143.00	88.95	173.17	12,074.88	-4,307.02	-268.10	4,310.63	2.53	-1.88	-1.68
16,235.00	91.21	176.07	12,074.75	-4,398.60	-259.47	4,402.06	4.00	2.46	3.15
16,330.00	91.83	178.51	12,072.23	-4,493.45	-254.98	4,496.84	2.65	0.65	2.57
16,424.00	88.05	175.47	12,072.33	-4,587.29	-250.05	4,590.59	5.16	-4.02	-3.23
16,519.00	92.00	178.71	12,072.29	-4,682.14	-245.23	4,685.35	5.38	4.16	3.41
16,613.00	89.05	182.51	12,071.43	-4,776.10	-246.23	4,779.32	5.12	-3.14	4.04
16,707.00	89.93	184.24	12,072.26	-4,869.93	-251.76	4,873.22	2.06	0.94	1.84
16,802.00	92.66	182.16	12,070.12	-4,964.74	-257.06	4,968.11	3.61	2.87	-2.19
16,896.00	91.81	180.68	12,066.45	-5,058.64	-259.39	5,062.03	1.81	-0.90	-1.57
16,990.00	92.00	180.90	12,063.32	-5,152.58	-260.69	5,155.98	0.31	0.20	0.23



Survey Report



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 27 BD #161H
Project:	EDDY CO., NM (NAD27)	TVD Reference:	RKB (GL+23') @ 3291.00usft (Nabors M7504)
Site:	SEC 27-T25S-R30E	MD Reference:	RKB (GL+23') @ 3291.00usft (Nabors M7504)
Well:	PLU 27 BD #161H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,085.00	92.41	179.99	12,059.67	-5,247.51	-261.42	5,250.90	1.05	0.43	-0.96
17,179.00	89.61	177.00	12,058.01	-5,341.44	-258.95	5,344.79	4.36	-2.98	-3.18
17,272.00	89.85	175.32	12,058.45	-5,434.23	-252.73	5,437.47	1.82	0.26	-1.81
17,361.00	89.10	176.51	12,059.27	-5,522.99	-246.39	5,526.13	1.58	-0.84	1.34
17,456.00	90.25	180.60	12,059.81	-5,617.94	-243.99	5,621.02	4.47	1.21	4.31
17,549.00	89.79	182.56	12,059.77	-5,710.90	-246.56	5,714.01	2.16	-0.49	2.11
17,644.00	90.32	182.15	12,059.68	-5,805.82	-250.46	5,808.98	0.71	0.56	-0.43
17,738.00	90.24	181.29	12,059.22	-5,899.77	-253.28	5,902.97	0.92	-0.09	-0.91
17,833.00	90.43	183.97	12,058.67	-5,994.66	-257.64	5,997.91	2.83	0.20	2.82
17,928.00	90.48	184.18	12,057.91	-6,089.42	-264.39	6,092.76	0.23	0.05	0.22
18,022.00	89.73	181.73	12,057.74	-6,183.29	-269.24	6,186.69	2.73	-0.80	-2.61
18,116.00	90.74	180.91	12,057.35	-6,277.26	-271.40	6,280.69	1.38	1.07	-0.87
18,210.00	91.64	183.38	12,055.40	-6,371.17	-274.92	6,374.64	2.80	0.96	2.63
18,305.00	90.88	182.81	12,053.31	-6,466.00	-280.05	6,469.54	1.00	-0.80	-0.60
18,399.00	91.33	181.47	12,051.50	-6,559.92	-283.56	6,563.50	1.50	0.48	-1.43
18,493.00	89.50	180.48	12,050.82	-6,653.90	-285.15	6,657.49	2.21	-1.95	-1.05
18,587.00	89.12	181.47	12,051.95	-6,747.87	-286.75	6,751.48	1.13	-0.40	1.05
18,682.00	90.74	180.02	12,052.07	-6,842.86	-287.99	6,846.48	2.29	1.71	-1.53
18,776.00	90.22	176.57	12,051.28	-6,936.80	-285.19	6,940.36	3.71	-0.55	-3.67
18,870.00	90.74	173.71	12,050.49	-7,030.45	-277.23	7,033.88	3.09	0.55	-3.04
18,963.00	90.81	171.71	12,049.23	-7,122.69	-265.43	7,125.92	2.15	0.08	-2.15
19,058.00	89.62	173.54	12,048.88	-7,216.89	-253.24	7,219.93	2.30	-1.25	1.93
19,152.00	93.40	176.82	12,046.40	-7,310.50	-245.34	7,313.40	5.32	4.02	3.49
19,247.00	91.25	176.64	12,042.55	-7,405.26	-239.93	7,408.07	2.27	-2.26	-0.19
19,341.00	92.30	177.70	12,039.63	-7,499.10	-235.29	7,501.83	1.59	1.12	1.13
19,436.00	91.81	178.04	12,036.23	-7,593.97	-231.76	7,596.63	0.63	-0.52	0.36
19,530.00	90.90	179.27	12,034.01	-7,687.92	-229.55	7,690.53	1.63	-0.97	1.31
19,624.00	90.84	180.86	12,032.58	-7,781.90	-229.66	7,784.51	1.69	-0.06	1.69
19,718.00	91.19	180.73	12,030.91	-7,875.88	-230.97	7,878.50	0.40	0.37	-0.14
19,812.00	92.44	181.39	12,027.94	-7,969.81	-232.70	7,972.45	1.50	1.33	0.70
19,907.00	91.33	181.64	12,024.81	-8,064.73	-235.21	8,067.39	1.20	-1.17	0.26
20,002.00	90.97	183.01	12,022.90	-8,159.63	-239.07	8,162.34	1.49	-0.38	1.44
20,096.00	90.92	182.45	12,021.35	-8,253.51	-243.54	8,256.27	0.60	-0.05	-0.60
20,189.00	90.71	182.78	12,020.03	-8,346.40	-247.79	8,349.22	0.42	-0.23	0.35
20,283.00	90.36	182.24	12,019.15	-8,440.30	-251.90	8,443.18	0.68	-0.37	-0.57
20,376.00	92.63	182.88	12,016.73	-8,533.17	-256.05	8,536.10	2.54	2.44	0.69
20,470.00	91.44	182.06	12,013.39	-8,627.02	-260.10	8,630.00	1.54	-1.27	-0.87
20,564.00	90.74	181.88	12,011.60	-8,720.95	-263.33	8,723.97	0.77	-0.74	-0.19
20,659.00	88.35	180.85	12,012.36	-8,815.91	-265.60	8,818.95	2.74	-2.52	-1.08
20,754.00	89.96	182.02	12,013.76	-8,910.87	-267.98	8,913.93	2.09	1.69	1.23
20,848.00	90.14	183.44	12,013.67	-9,004.76	-272.45	9,007.88	1.52	0.19	1.51
20,942.00	89.26	184.24	12,014.17	-9,098.55	-278.75	9,101.75	1.27	-0.94	0.85
21,037.00	89.40	184.30	12,015.28	-9,193.28	-285.82	9,196.58	0.16	0.15	0.06



Survey Report



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 27 BD #161H
Project:	EDDY CO., NM (NAD27)	TVD Reference:	RKB (GL+23') @ 3291.00usft (Nabors M7504)
Site:	SEC 27-T25S-R30E	MD Reference:	RKB (GL+23') @ 3291.00usft (Nabors M7504)
Well:	PLU 27 BD #161H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.15 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
21,129.00	89.01	184.01	12,016.55	-9,285.02	-292.49	9,288.42	0.53	-0.42	-0.32	
21,224.00	89.38	184.19	12,017.89	-9,379.77	-299.28	9,383.26	0.43	0.39	0.19	
21,316.00	90.08	184.60	12,018.32	-9,471.50	-306.33	9,475.09	0.88	0.76	0.45	
21,411.00	90.50	182.17	12,017.84	-9,566.33	-311.94	9,569.99	2.60	0.44	-2.56	
21,505.00	87.82	179.43	12,019.22	-9,660.29	-313.25	9,663.96	4.08	-2.85	-2.91	
21,599.00	87.43	179.06	12,023.11	-9,754.20	-312.01	9,757.84	0.57	-0.41	-0.39	
21,693.00	87.09	178.02	12,027.61	-9,848.06	-309.62	9,851.65	1.16	-0.36	-1.11	
21,811.00	90.70	178.98	12,029.88	-9,965.98	-306.53	9,969.51	3.17	3.06	0.81	
21,886.00	90.04	177.60	12,029.40	-10,040.94	-304.29	10,044.43	2.04	-0.88	-1.84	
21,981.00	89.62	174.08	12,029.68	-10,135.67	-297.40	10,139.05	3.73	-0.44	-3.71	
22,074.00	89.62	174.66	12,030.30	-10,228.22	-288.28	10,231.44	0.62	0.00	0.62	
22,169.00	89.87	174.33	12,030.72	-10,322.78	-279.17	10,325.85	0.44	0.26	-0.35	
22,264.00	89.73	176.24	12,031.05	-10,417.46	-271.36	10,420.40	2.02	-0.15	2.01	
22,358.00	90.13	176.35	12,031.17	-10,511.26	-265.28	10,514.09	0.44	0.43	0.12	
22,452.00	89.64	176.46	12,031.36	-10,605.07	-259.39	10,607.81	0.53	-0.52	0.12	
22,547.00	89.52	176.79	12,032.05	-10,699.91	-253.80	10,702.54	0.37	-0.13	0.35	
22,642.00	89.97	177.97	12,032.48	-10,794.80	-249.45	10,797.36	1.33	0.47	1.24	
22,735.00	90.14	178.70	12,032.39	-10,887.76	-246.75	10,890.27	0.81	0.18	0.78	
22,829.00	90.67	178.01	12,031.72	-10,981.72	-244.05	10,984.18	0.93	0.56	-0.73	
22,924.00	90.62	178.70	12,030.65	-11,076.68	-241.33	11,079.08	0.73	-0.05	0.73	
23,019.00	89.82	179.46	12,030.29	-11,171.66	-239.80	11,174.03	1.16	-0.84	0.80	
23,112.00	89.37	180.32	12,030.94	-11,264.66	-239.62	11,267.01	1.04	-0.48	0.92	
23,207.00	88.71	179.68	12,032.54	-11,359.64	-239.62	11,361.99	0.97	-0.69	-0.67	
23,301.00	88.71	178.60	12,034.65	-11,453.61	-238.21	11,455.92	1.15	0.00	-1.15	
23,395.00	88.73	179.49	12,036.75	-11,547.57	-236.65	11,549.84	0.95	0.02	0.95	
23,490.00	88.57	178.90	12,038.99	-11,642.54	-235.31	11,644.78	0.64	-0.17	-0.62	
23,583.00	89.34	178.86	12,040.69	-11,735.50	-233.49	11,737.70	0.83	0.83	-0.04	
23,678.00	89.29	178.69	12,041.82	-11,830.47	-231.46	11,832.63	0.19	-0.05	-0.18	
23,772.00	89.96	180.54	12,042.44	-11,924.46	-230.83	11,926.60	2.09	0.71	1.97	
23,866.00	89.93	181.01	12,042.53	-12,018.46	-232.10	12,020.60	0.50	-0.03	0.50	
23,960.00	89.68	181.43	12,042.85	-12,112.43	-234.11	12,114.60	0.52	-0.27	0.45	
24,054.00	89.82	181.64	12,043.26	-12,206.40	-236.62	12,208.59	0.27	0.15	0.22	
24,149.00	89.87	179.66	12,043.52	-12,301.39	-237.70	12,303.59	2.08	0.05	-2.08	
24,243.00	89.73	179.06	12,043.84	-12,395.38	-236.65	12,397.55	0.66	-0.15	-0.64	
24,338.00	89.80	179.92	12,044.23	-12,490.37	-235.81	12,492.52	0.91	0.07	0.91	
24,432.00	89.72	178.69	12,044.63	-12,584.37	-234.67	12,586.48	1.31	-0.09	-1.31	
24,527.00	89.64	178.46	12,045.16	-12,679.33	-232.30	12,681.41	0.26	-0.08	-0.24	
24,621.00	90.20	180.59	12,045.29	-12,773.33	-231.52	12,775.37	2.34	0.60	2.27	
24,715.00	90.14	180.95	12,045.01	-12,867.32	-232.79	12,869.37	0.39	-0.06	0.38	
24,810.00	90.23	181.00	12,044.70	-12,962.30	-234.40	12,964.37	0.11	0.09	0.05	
24,904.00	90.24	180.97	12,044.32	-13,056.29	-236.02	13,058.37	0.03	0.01	-0.03	
24,999.00	90.15	181.05	12,043.99	-13,151.27	-237.69	13,153.37	0.13	-0.09	0.08	
25,093.00	90.39	179.77	12,043.55	-13,245.27	-238.37	13,247.37	1.39	0.26	-1.36	



Survey Report



Company:	XTO ENERGY INC.	Local Co-ordinate Reference:	Well PLU 27 BD #161H
Project:	EDDY CO., NM (NAD27)	TVD Reference:	RKB (GL+23') @ 3291.00usft (Nabors M7504)
Site:	SEC 27-T25S-R30E	MD Reference:	RKB (GL+23') @ 3291.00usft (Nabors M7504)
Well:	PLU 27 BD #161H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.15 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
25,187.00	90.29	178.34	12,042.99	-13,339.25	-236.82	13,341.31	1.52	-0.11	-1.52
25,282.00	90.83	178.42	12,042.06	-13,434.21	-234.13	13,436.22	0.57	0.57	0.08
25,376.00	90.73	178.33	12,040.79	-13,528.16	-231.47	13,530.12	0.14	-0.11	-0.10
25,470.00	90.39	179.39	12,039.87	-13,622.14	-229.60	13,624.06	1.18	-0.36	1.13
25,565.00	90.42	180.70	12,039.19	-13,717.13	-229.67	13,719.04	1.38	0.03	1.38
25,659.00	90.71	180.66	12,038.27	-13,811.12	-230.79	13,813.04	0.31	0.31	-0.04
25,753.00	90.67	180.68	12,037.14	-13,905.11	-231.88	13,907.03	0.05	-0.04	0.02
25,847.00	90.42	180.76	12,036.24	-13,999.09	-233.07	14,001.02	0.28	-0.27	0.09
25,937.00	90.55	180.29	12,035.48	-14,089.09	-233.89	14,091.02	0.54	0.14	-0.52
26,031.00	90.59	180.73	12,034.54	-14,183.08	-234.73	14,185.01	0.47	0.04	0.47
26,125.00	90.77	180.99	12,033.43	-14,277.06	-236.14	14,279.00	0.34	0.19	0.28
26,220.00	89.41	180.17	12,033.28	-14,372.05	-237.10	14,374.00	1.67	-1.43	-0.86
26,313.00	90.28	178.69	12,033.53	-14,465.05	-236.17	14,466.97	1.85	0.94	-1.59
26,406.00	90.06	178.95	12,033.26	-14,558.02	-234.26	14,559.91	0.37	-0.24	0.28
26,501.00	89.93	179.57	12,033.26	-14,653.02	-233.03	14,654.87	0.67	-0.14	0.65
26,594.00	90.07	179.99	12,033.26	-14,746.02	-232.67	14,747.85	0.48	0.15	0.45
26,688.00	90.07	181.18	12,033.15	-14,840.01	-233.63	14,841.85	1.27	0.00	1.27
26,783.00	89.99	180.95	12,033.10	-14,934.99	-235.40	14,936.85	0.26	-0.08	-0.24
26,877.00	90.17	180.92	12,032.97	-15,028.98	-236.93	15,030.85	0.19	0.19	-0.03
26,970.00	90.08	180.19	12,032.77	-15,121.97	-237.83	15,123.84	0.79	-0.10	-0.78
27,065.00	90.15	179.44	12,032.57	-15,216.97	-237.53	15,218.83	0.79	0.07	-0.79
27,159.00	90.11	179.79	12,032.36	-15,310.97	-236.90	15,312.80	0.37	-0.04	0.37
27,253.00	90.02	181.02	12,032.25	-15,404.97	-237.56	15,406.80	1.31	-0.10	1.31
27,348.00	90.01	180.11	12,032.23	-15,499.96	-238.50	15,501.80	0.96	-0.01	-0.96
27,443.00	90.21	179.71	12,032.05	-15,594.96	-238.35	15,596.78	0.47	0.21	-0.42
27,537.00	90.00	179.20	12,031.88	-15,688.96	-237.45	15,690.75	0.59	-0.22	-0.54
27,632.00	90.08	178.95	12,031.81	-15,783.94	-235.92	15,785.70	0.28	0.08	-0.26
27,710.00	90.08	178.82	12,031.70	-15,861.93	-234.40	15,863.66	0.17	0.00	-0.17
Last Survey - 27710.00' MD, 12031.70' TVD									
27,746.00	90.08	178.09	12,031.65	-15,897.91	-233.43	15,899.62	2.03	0.00	-2.03
PTB									

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
27,710.00	12,031.70	-15,861.93	-234.40	Last Survey - 27710.00' MD, 12031.70' TVD
27,746.00	12,031.65	-15,897.91	-233.43	PTB

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

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-46249
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☐ FEE ☐ Fed X
2. Name of Operator XTO Permian Operating LLC		6. State Oil & Gas Lease No.
3. Address of Operator 6401 Holiday Hill Rd Bldg 5 Midland, Texas 79707		7. Lease Name or Unit Agreement Name Poker Lake Unit 27 BD
4. Well Location Unit Letter <u>E</u> : <u>2510</u> feet from the <u>North</u> line and <u>603</u> feet from the <u>West</u> line Section <u>27</u> Township <u>25S</u> Range <u>30E</u> NMPM County <u>Eddy</u>		8. Well Number <u>161H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3268 GL		9. OGRID Number 373075
		10. Pool name or Wildcat Purple Sage; Wolfcamp (Gas)

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

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

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

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

KOP @ depth 11,427 ft.

PBTD = 27,743 ft. 3/3/22 Run RCB/GR/CCL

5/17/22 Pressure test 5.5 in csg to 8,930 psi for 30min test good, open sleeve.

7/21/22 Perf and frac 76 stages, 3,756 total shots, from 12,359 to 27,592 using 815,133 bbls of fluid and 37,374,870 lbs Proppant. Tag and drill out plugs.

9/12/22 Run 2-7/8 L80 6.5# tubing set at 11,385 ft.

9/12/22 Packer setting depth 11,370 ft.

Ready Date: 11/9/22

First Production: 11/10/22

Spud Date:

1/1/2020

Rig Release Date:

9/12/2022

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

SIGNATURE Amanda Thames TITLE Regulatory Analyst DATE 12/12/2022

Type or print name Amanda Thames E-mail address: amanda.thames@exxonmobil.com PHONE: 432.221.7340

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised April 3, 2017					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								5. Lease Name or Unit Agreement Name POKER LAKE UNIT 27 B D		
								6. Well Number: 161H		
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:	E	27	25S	30E		2510	North	603	West	Eddy
BB:	E	10	26S	30E		2440	North	340	West	Eddy
13. Date Spudded 01/01/2020	14. Date T.D. Reached 3/5/2020		15. Date Rig Released 3/11/2020		16. Date Completed (Ready to Produce) 11/9/2022		Elevations (DF and RKB, RT, GR, etc.) 3268' G L			
18. Total Measured Depth of Well 27,746			19. Plug Back Measured Depth 27,743		20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run CBL			
22. Producing Interval(s), of this completion - Top, Bottom, Name 12,359 TO 27,592 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
U J/ "		0.11		1,161'		17 1/1"		1,405		
9 5/8"		40.0		11,342'		12 1/4"		3,390 4970		
5 1/2"		23.0		27,746'		8 1/2"		4,580 5690		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET	PACKER SET		
						2 7/8"	11,385	11,370		
26. Perforation record (interval, size, and number) 12,359 TO 27,592, 2spf, 3,756 Total Shots 76 stages						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						12,359 TO 27,592		815,133 bbl fluid+ 37,374,870 lbs Proppant		
28. PRODUCTION										
Date First Production 11/10/22		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing				
Date of Test 11/11/22	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil-Bbl 123	Gas-MCF 3767	Water-Bbl. 2755	Gas - Oil Ratio 101:21:1			
Flow Tubing Press. 3212	Casing Pressure 316	Calculated 24-Hour Rate	Oil-Bbl. 123	Gas-MCF 3767	Water-Bbl. 2755	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (if 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 bural was used at the well, report the exact location of the on-site bural:										
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>C. nuuula. Tlam</i>			Printed Name Amanda Thames		Title Regulatory Analyst			Date 12/12/2022		
E-mail Address amanda.thames(a)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. Anhv	T. Canyon	T. OjoAlamo	T. Penn A"
T. Salt 1,350'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 3,640'	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. CliffHouse	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. Ililacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand 3,856'	T. Morrison	
T. Drinkard	T. Bone Springs 7,660'	T. Todilto	
T. Abo	T. Roubidoux 1,000'	T. Entrada	
T. Wolfcamp 10,956	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.....

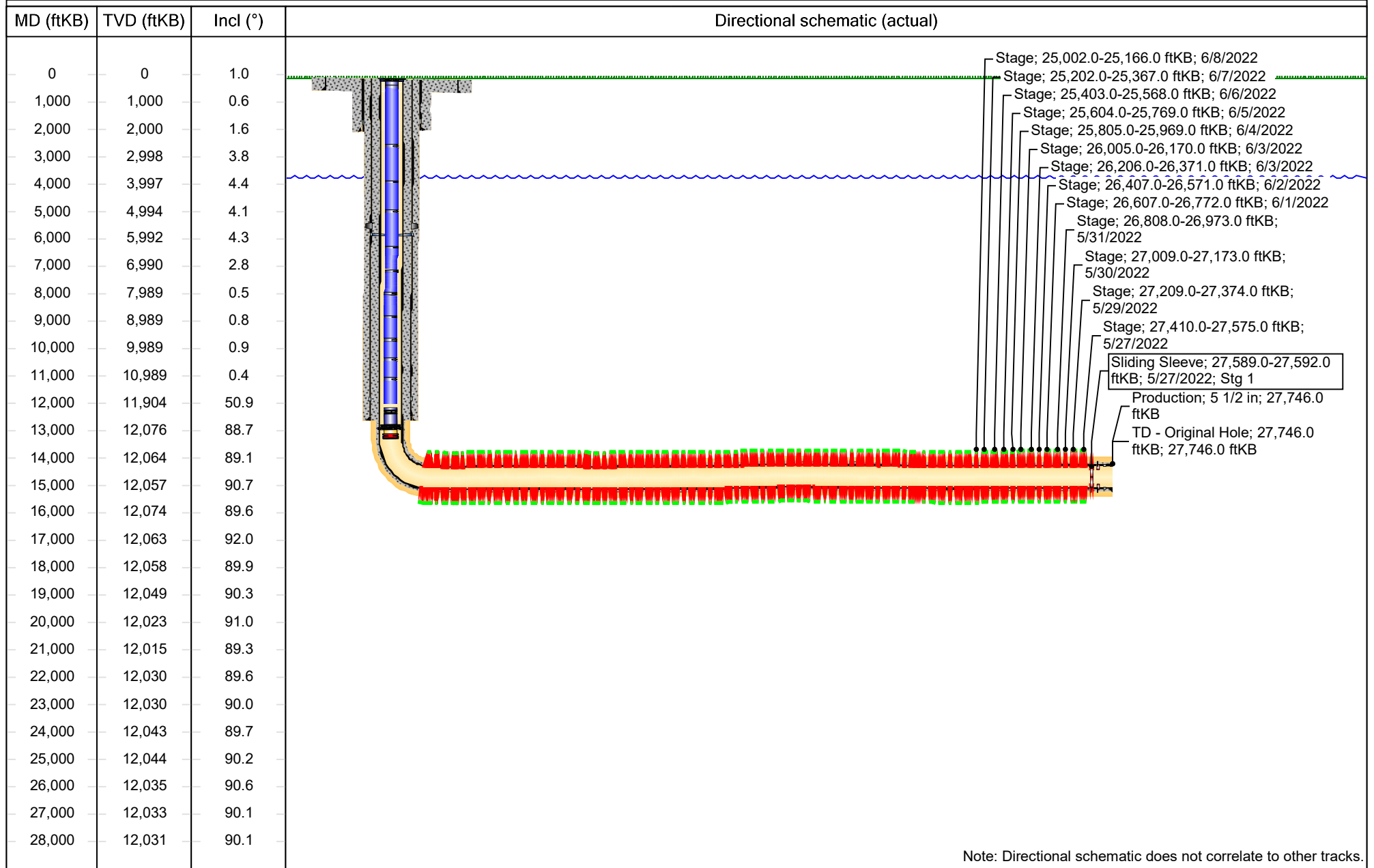
From	To	Thickness In Feet	Lithology



Schematic - Wellbore - Horizontal

Well Name: POKER LAKE UNIT 27 BD 161H

API/UWI 3001546249	SAP Cost Center ID 1666961001	Permit Number BLM	State/Province New Mexico	County Eddy	Spud Date 1/1/2020 06:00	Original KB Elevation (ft) 3,291.00	Ground Elevation (ft) 3,268.00	KB-Ground Distance (ft) 23.00	Surface Casing Flange Elevatio...
Surface Location T25S-R30E-S27									



Note: Directional schematic does not correlate to other tracks.

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

General Information
Phone: (505) 629-6116

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

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

ACKNOWLEDGMENTS

Action 165926

ACKNOWLEDGMENTS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 165926
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

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

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CONDITIONS

Action 165926

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 165926
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-5 Completion Sundry within 10 days of BLM approval.	4/9/2025