

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

NMOCD-REC'D: 9/18/2020 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 30-015-45474	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP
⁴ Property Code 325596	⁵ Property Name POKER LAKE UNIT 20 BD	⁶ Well Number 901H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,160'

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
M	20	25 S	30 E		330	SOUTH	480	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
M	32	25 S	30 E		275	SOUTH	371	WEST	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 GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 403,645.0 X= 631,065.3 LAT.= 32.109029°N LONG.= 103.910035°W K.O.P. NAD 27 NME Y= 403,520.6 X= 631,029.1 LAT.= 32.108687°N LONG.= 103.910153°W FIRST TAKE POINT NAD 27 NME Y= 402,971.0 X= 630,932.2 LAT.= 32.107178°N LONG.= 103.910473°W CORNER COORDINATES TABLE NAD 27 NME A - Y= 403,309.4 N, X= 630,586.8 E B - Y= 403,325.1 N, X= 631,923.1 E C - Y= 400,654.5 N, X= 630,604.6 E D - Y= 400,669.1 N, X= 631,940.0 E E - Y= 397,997.0 N, X= 630,622.4 E F - Y= 398,011.2 N, X= 631,958.0 E G - Y= 395,341.8 N, X= 630,625.3 E H - Y= 395,354.2 N, X= 631,958.0 E I - Y= 392,687.0 N, X= 630,628.7 E J - Y= 392,697.7 N, X= 631,958.4 E CORNER COORDINATES TABLE NAD 83 NME A - Y= 403,367.5 N, X= 671,771.7 E B - Y= 403,383.2 N, X= 673,108.1 E C - Y= 400,712.5 N, X= 671,789.6 E D - Y= 400,727.1 N, X= 673,125.0 E E - Y= 398,055.0 N, X= 671,807.5 E F - Y= 398,069.2 N, X= 673,143.1 E G - Y= 395,399.7 N, X= 671,810.5 E H - Y= 395,412.1 N, X= 673,143.2 E I - Y= 392,744.9 N, X= 671,814.0 E J - Y= 392,755.6 N, X= 673,143.7 E LAST TAKE POINT NAD 27 NME Y= 393,075.0 X= 630,993.6 LAT.= 32.079973°N LONG.= 103.910400°W BOTTOM HOLE LOCATION NAD 27 NME Y= 392,965.4 X= 630,999.7 LAT.= 32.079672°N LONG.= 103.910382°W GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 403,703.1 X= 672,250.2 LAT.= 32.109153°N LONG.= 103.910518°W K.O.P. NAD 83 NME Y= 403,578.7 X= 672,214.0 LAT.= 32.108812°N LONG.= 103.910637°W FIRST TAKE POINT NAD 83 NME Y= 403,029.1 X= 672,117.2 LAT.= 32.107302°N LONG.= 103.910956°W Diagram S.H.L. K.O.P. MD=10,463' SEC. 20 SEC. 29 SEC. 32 T25S R30E F.T.P. MD=11,378' 343' 480' 330' 365' 371' 275' B.H.L. L.T.P. MD=21,280'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Cheryl Rowell</i> 8/20/20 Signature Date CHERYL ROWELL Printed Name cheryl_rowell@xtoenergy.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. 6-22-2020 Date of Survey Signature and Seal of Professional Surveyor: MARK DILLON HARP 23786 Certificate Number RR 2017071047
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Accepted - KMS NMOCD

Intent ☐ As Drilled ☒

API # 30-015-45474								
Operator Name: XTO PERMIAN OPERATING, LLC			Property Name: POKER LAKE UNIT 20 BD			Well Number 901H		

Kick Off Point (KOP)

UL M	Section 20	Township 25S	Range 30E	Lot	Feet 206	From N/S S	Feet 443	From E/W W	County EDDY
Latitude 32.108812					Longitude 103.910637				NAD 83

First Take Point (FTP)

UL D	Section 29	Township 25S	Range 30E	Lot	Feet 342	From N/S N	Feet 343	From E/W W	County EDDY
Latitude 32.107302					Longitude 103.910956				NAD 83

Last Take Point (LTP)

UL M	Section 32	Township 25S	Range 30E	Lot	Feet 385	From N/S S	Feet 365	From E/W W	County EDDY
Latitude 32.080098					Longitude 103.910882				NAD 83

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

Is this well an infill well? ☐

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

API # 30-015-45492								
Operator Name: XTO Permian Operating LLC			Property Name: Poker Lake Unit 20 BD			Well Number 701H		

KZ 06/29/2018



Invictus Tools LLC
501 Winscott Rd
Benbrook, TX 76126

September 17, 2020

State of New Mexico
Eddy County

I, Robert "BJ" Weber, certify that: I represent Invictus Tools, LLC; that I did on the day(s) of 29 July 2019 through 29 July 2019 conduct or supervise the taking of MWD surveys from a depth of 165.3 feet measured depth to a depth of 645 feet measured depth that the data is true, correct, complete, and within the limitations of the tool as set forth by Invictus Tools LLC; that I am authorized and qualified to make this report; that the survey was conducted at the request of XTO Energy Inc. for the Poker Lake Unit 20 Brushy Draw 901H (161) (A.P. I. No.: 30-015-45474), Nabor F-34 rig in Eddy County, New Mexico, and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Invictus Tools, LLC.

A handwritten signature in black ink, appearing to read "BJ Weber". The signature is written in a cursive, flowing style. Below the signature is a solid horizontal line.

Robert "BJ" Weber
Vice President
Invictus Tools, LLC



I Joseph Proske, certify that I am employed by Scout Downhole Inc. (SDI). That I did on the day(s) of 08/03/19 thru 08/31/19 conduct or supervise the taking of a MWD Survey from a depth of 720' to a depth of 10213'; that the data is true, correct, complete and within the limitations of the tool as set forth by Scout Downhole Inc. (SDI).; that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO Energy for the PLU 20 Brushy Draw 901H API No. 30-015-45474 in Eddy County, New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Scout Downhole Inc. (SDI).

Joseph Proske

Joseph
Proske

Digitally signed by: Joseph
Proske

DN: CN = Joseph Proske
email =

jproske@scoutdrilltech.

com C = US O = SDI OU =
SDI

Date: 2020.01.22 09:40:51
-06'00'

1125 Beach Airport Rd, Conroe, Texas
77301
PH 936-756-3255 FAX 936-756-3229

Survey Certification



December 18, 2019

MWD Operator 1

Michael Turner

MWD Operator 2

Robert Steglich

XTO Energy

Poker Lake Unit 20BD 901H
Eddy, NM

Lead Directional

Danny Reiger

Second Directional

William Lee

I, Matt Simpson, certify: that I am employed by Premier Directional Drilling, LLC; that on the day(s) of December 4, 2019 – December 14, 2019 I conducted and/or supervised the taking of MWD surveys for the Poker Lake Unit 20BD 901H (API# 30-015-45474) from a depth of 10,289.00 feet to a depth of 21,445.00 feet; that the data is true, correct, complete, and within the limitations of the tool as set forth by Premier Directional Drilling, LLC; that I am authorized and qualified to make this report; that this survey was conducted accordingly at the request of XTO Energy; that I reviewed this report and find it conforms to the principles and procedures as set forth by Premier Directional Drilling, LLC.

Matt Simpson

Matt Simpson
MWD Coordinator
Premier Directional Drilling, LLC

SURVEY INSTRUMENT TYPE

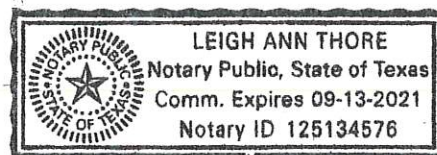
MagVar MSA Corrected

Subscribed and Sworn to before me this 18 day of December (month) 2019

My Commission expires: 09-13-2021

Leigh-Ann Thore
Notary Public

Harris County, Tx
County, State



XTO ENERGY, INC.

**Eddy County, NM
Poker Lake Unit 20 BD
901H**

Lateral

Design: Lateral

Standard Survey Report

18 September, 2020

Survey Report

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well 901H
Project:	Eddy County, NM	TVD Reference:	3160+32.5 @ 3192.50usft (NaborsX32)
Site:	Poker Lake Unit 20 BD	MD Reference:	3160+32.5 @ 3192.50usft (NaborsX32)
Well:	901H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral	Database:	EDM 5000.15 Multi User

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

Site	Poker Lake Unit 20 BD, centered on 901H				
Site Position:		Northing:	403,644.99 usft	Latitude:	32.109029
From:	Map	Easting:	631,065.30 usft	Longitude:	-103.910035
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.23 °

Well	901H					
Well Position	+N/-S	0.00 usft	Northing:	403,644.99 usft	Latitude:	32.109029
	+E/-W	0.00 usft	Easting:	631,065.30 usft	Longitude:	-103.910035
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,160.00 usft

Wellbore	Lateral				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	11/22/19	6.73	59.72	47,785
	User Defined	11/27/19	6.82	59.75	47,760

Design	Lateral				
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	195.76	

Survey Program		Date	09/18/20		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
292.50	10,214.50	Survey #1 (Lateral)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	
10,289.00	21,357.00	Survey #2 (Lateral)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	
21,390.00	21,445.00	Survey #3 (Lateral)	Projection	Projection to Bit	

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
292.50	1.10	309.00	292.48	1.77	-2.18	-1.11	0.38	0.38	0.00
353.50	0.90	290.00	353.47	2.30	-3.09	-1.37	0.63	-0.33	-31.15
445.50	1.00	214.00	445.46	1.88	-4.22	-0.66	1.27	0.11	-82.61
499.50	1.10	205.00	499.45	1.02	-4.70	0.29	0.36	0.19	-16.67
674.50	1.40	0.88	674.44	1.64	-5.37	-0.11	1.40	0.17	89.07
721.50	0.97	138.59	721.43	1.91	-5.10	-0.45	4.71	-0.91	293.00
784.50	1.10	112.31	784.42	1.28	-4.19	-0.10	0.77	0.21	-41.71

Survey Report

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well 901H
Project:	Eddy County, NM	TVD Reference:	3160+32.5 @ 3192.50usft (NaborsX32)
Site:	Poker Lake Unit 20 BD	MD Reference:	3160+32.5 @ 3192.50usft (NaborsX32)
Well:	901H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral	Database:	EDM 5000.15 Multi User

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)
878.50	1.98	62.39	878.39	1.69	-1.92	-1.11	1.62	0.94	-53.11
972.50	3.21	36.46	972.30	4.56	1.09	-4.69	1.78	1.31	-27.59
1,066.50	1.58	25.12	1,066.21	7.85	3.20	-8.43	1.80	-1.73	-12.06
1,161.50	2.68	9.48	1,161.15	11.23	4.12	-11.93	1.30	1.16	-16.46
1,255.50	4.22	4.47	1,254.97	16.84	4.75	-17.50	1.67	1.64	-5.33
1,350.50	4.44	3.86	1,349.70	24.00	5.27	-24.53	0.24	0.23	-0.64
1,445.50	4.35	4.91	1,444.42	31.26	5.83	-31.66	0.13	-0.09	1.11
1,540.50	4.62	4.91	1,539.13	38.66	6.47	-38.96	0.28	0.28	0.00
1,634.50	4.35	5.61	1,632.84	45.98	7.14	-46.19	0.29	-0.29	0.74
1,729.50	4.26	0.95	1,727.58	53.09	7.55	-53.15	0.38	-0.09	-4.91
1,823.50	4.00	357.88	1,821.33	59.86	7.49	-59.64	0.36	-0.28	-3.27
1,917.50	3.43	355.68	1,915.13	65.94	7.15	-65.40	0.62	-0.61	-2.34
2,011.50	1.27	338.89	2,009.05	69.71	6.57	-68.88	2.39	-2.30	-17.86
2,106.50	0.84	282.29	2,104.04	70.85	5.51	-69.68	1.13	-0.45	-59.58
2,200.50	1.10	285.98	2,198.02	71.24	3.97	-69.64	0.28	0.28	3.93
2,295.50	0.88	278.78	2,293.01	71.60	2.37	-69.55	0.27	-0.23	-7.58
2,389.50	0.97	272.19	2,387.00	71.74	0.86	-69.28	0.15	0.10	-7.01
2,483.50	0.66	217.34	2,480.99	71.34	-0.26	-68.59	0.85	-0.33	-58.35
2,576.50	0.97	271.13	2,573.98	70.93	-1.38	-67.89	0.85	0.33	57.84
2,671.50	0.92	270.52	2,668.97	70.96	-2.94	-67.49	0.05	-0.05	-0.64
2,764.50	1.10	260.76	2,761.95	70.82	-4.57	-66.91	0.27	0.19	-10.49
2,858.50	0.92	270.08	2,855.94	70.68	-6.22	-66.33	0.26	-0.19	9.91
2,953.50	0.62	227.62	2,950.93	70.33	-7.36	-65.69	0.66	-0.32	-44.69
3,047.50	0.75	207.76	3,044.92	69.44	-8.02	-64.65	0.29	0.14	-21.13
3,141.50	0.84	196.07	3,138.91	68.24	-8.50	-63.36	0.20	0.10	-12.44
3,235.50	1.19	173.31	3,232.90	66.60	-8.57	-61.77	0.56	0.37	-24.21
3,329.50	1.89	156.26	3,326.87	64.22	-7.84	-59.67	0.88	0.74	-18.14
3,423.50	2.15	148.87	3,420.81	61.29	-6.30	-57.27	0.39	0.28	-7.86
3,510.50	2.07	151.07	3,507.75	58.52	-4.70	-55.04	0.13	-0.09	2.53
3,622.50	2.33	174.58	3,619.67	54.48	-3.50	-51.48	0.83	0.23	20.99
3,717.50	2.59	151.38	3,714.58	50.67	-2.29	-48.14	1.08	0.27	-24.42
3,811.50	2.42	150.32	3,808.49	47.08	-0.29	-45.23	0.19	-0.18	-1.13
3,906.50	2.24	151.64	3,903.41	43.71	1.58	-42.49	0.20	-0.19	1.39
4,001.50	2.77	157.62	3,998.32	39.95	3.34	-39.36	0.62	0.56	6.29
4,096.50	3.43	165.17	4,093.18	35.08	4.94	-35.10	0.82	0.69	7.95
4,190.50	3.30	181.17	4,187.02	29.66	5.60	-30.06	1.01	-0.14	17.02
4,283.50	3.12	191.63	4,279.88	24.50	5.04	-24.95	0.66	-0.19	11.25
4,376.50	3.25	188.64	4,372.74	19.42	4.13	-19.81	0.23	0.14	-3.22
4,471.50	3.21	191.72	4,467.59	14.15	3.19	-14.48	0.19	-0.04	3.24
4,565.50	3.08	189.52	4,561.44	9.08	2.24	-9.35	0.19	-0.14	-2.34
4,659.50	2.90	186.97	4,655.32	4.23	1.53	-4.49	0.24	-0.19	-2.71
4,754.50	3.56	204.55	4,750.17	-0.84	0.01	0.80	1.25	0.69	18.51
4,849.50	4.00	211.14	4,844.96	-6.35	-2.93	6.91	0.65	0.46	6.94

Survey Report

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well 901H
Project:	Eddy County, NM	TVD Reference:	3160+32.5 @ 3192.50usft (NaborsX32)
Site:	Poker Lake Unit 20 BD	MD Reference:	3160+32.5 @ 3192.50usft (NaborsX32)
Well:	901H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral	Database:	EDM 5000.15 Multi User

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)	
4,943.50	3.03	212.72	4,938.78	-11.25	-5.97	12.45	1.04	-1.03	1.68	
5,038.50	1.71	196.29	5,033.70	-14.72	-7.72	16.27	1.55	-1.39	-17.29	
5,132.50	2.86	184.51	5,127.62	-18.41	-8.30	19.97	1.32	1.22	-12.53	
5,226.50	2.68	188.73	5,221.51	-22.92	-8.82	24.45	0.29	-0.19	4.49	
5,321.50	2.77	189.17	5,316.41	-27.38	-9.52	28.94	0.10	0.09	0.46	
5,415.50	2.81	190.40	5,410.30	-31.89	-10.30	33.49	0.08	0.04	1.31	
5,510.50	2.77	187.41	5,505.18	-36.46	-11.01	38.08	0.16	-0.04	-3.15	
5,605.50	2.95	187.41	5,600.06	-41.16	-11.62	42.77	0.19	0.19	0.00	
5,699.50	2.90	188.64	5,693.94	-45.91	-12.29	47.52	0.09	-0.05	1.31	
5,793.50	2.81	189.43	5,787.83	-50.53	-13.03	52.17	0.10	-0.10	0.84	
5,888.50	3.03	186.53	5,882.70	-55.32	-13.70	56.96	0.28	0.23	-3.05	
5,982.50	2.90	186.97	5,976.58	-60.15	-14.27	61.76	0.14	-0.14	0.47	
6,077.50	2.99	189.17	6,071.45	-64.98	-14.95	66.60	0.15	0.09	2.32	
6,171.50	3.03	191.28	6,165.32	-69.84	-15.83	71.51	0.13	0.04	2.24	
6,266.50	2.90	191.19	6,260.19	-74.66	-16.79	76.41	0.14	-0.14	-0.09	
6,361.50	2.90	193.39	6,355.07	-79.35	-17.81	81.21	0.12	0.00	2.32	
6,455.50	2.77	193.74	6,448.96	-83.87	-18.90	85.85	0.14	-0.14	0.37	
6,550.50	2.81	193.21	6,543.84	-88.37	-19.98	90.47	0.05	0.04	-0.56	
6,644.50	2.86	192.86	6,637.73	-92.90	-21.03	95.12	0.06	0.05	-0.37	
6,738.50	1.85	206.04	6,731.65	-96.55	-22.21	98.95	1.21	-1.07	14.02	
6,832.50	0.79	222.83	6,825.62	-98.39	-23.32	101.02	1.19	-1.13	17.86	
6,926.50	0.53	213.78	6,919.62	-99.22	-24.00	102.01	0.30	-0.28	-9.63	
7,022.50	0.66	198.66	7,015.61	-100.12	-24.43	102.99	0.21	0.14	-15.75	
7,117.50	0.84	193.56	7,110.60	-101.31	-24.77	104.23	0.20	0.19	-5.37	
7,212.50	0.97	190.40	7,205.59	-102.78	-25.07	105.73	0.15	0.14	-3.33	
7,306.50	0.97	194.35	7,299.58	-104.33	-25.41	107.31	0.07	0.00	4.20	
7,400.50	1.05	185.30	7,393.56	-105.96	-25.69	108.96	0.19	0.09	-9.63	
7,494.50	1.23	165.61	7,487.55	-107.80	-25.52	110.68	0.46	0.19	-20.95	
7,589.50	0.09	121.67	7,582.54	-108.82	-25.20	111.58	1.23	-1.20	-46.25	
7,684.50	0.44	262.47	7,677.54	-108.91	-25.50	111.74	0.54	0.37	148.21	
7,779.50	1.10	252.27	7,772.53	-109.24	-26.73	112.39	0.71	0.69	-10.74	
7,874.50	0.62	296.04	7,867.52	-109.29	-28.06	112.80	0.82	-0.51	46.07	
7,969.50	1.01	283.83	7,962.51	-108.86	-29.34	112.74	0.45	0.41	-12.85	
8,063.50	0.97	283.30	8,056.49	-108.48	-30.92	112.80	0.04	-0.04	-0.56	
8,157.50	0.88	293.06	8,150.48	-108.01	-32.35	112.74	0.19	-0.10	10.38	
8,251.50	1.23	285.50	8,244.47	-107.46	-33.99	112.66	0.40	0.37	-8.04	
8,345.50	0.88	294.02	8,338.45	-106.90	-35.62	112.56	0.41	-0.37	9.06	
8,440.50	0.66	288.22	8,433.44	-106.43	-36.81	112.43	0.25	-0.23	-6.11	
8,534.50	0.79	264.05	8,527.43	-106.33	-37.97	112.64	0.35	0.14	-25.71	
8,629.50	0.13	162.27	8,622.43	-106.50	-38.59	112.98	0.87	-0.69	-107.14	
8,724.50	0.48	99.34	8,717.43	-106.67	-38.16	113.02	0.46	0.37	-66.24	
8,820.50	0.26	165.88	8,813.43	-106.94	-37.71	113.17	0.46	-0.23	69.31	
8,915.50	0.57	200.16	8,908.43	-107.60	-37.82	113.82	0.40	0.33	36.08	
9,009.50	0.79	210.17	9,002.42	-108.60	-38.31	114.92	0.27	0.23	10.65	

Survey Report

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well 901H
Project:	Eddy County, NM	TVD Reference:	3160+32.5 @ 3192.50usft (NaborsX32)
Site:	Poker Lake Unit 20 BD	MD Reference:	3160+32.5 @ 3192.50usft (NaborsX32)
Well:	901H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral	Database:	EDM 5000.15 Multi User

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)
9,105.50	0.88	85.81	9,098.41	-109.11	-37.90	115.31	1.54	0.09	-129.54
9,200.50	0.75	76.76	9,193.40	-108.92	-36.57	114.76	0.19	-0.14	-9.53
9,295.50	0.62	93.98	9,288.40	-108.81	-35.45	114.35	0.25	-0.14	18.13
9,389.50	0.48	97.76	9,382.39	-108.90	-34.56	114.19	0.15	-0.15	4.02
9,482.50	0.48	108.40	9,475.39	-109.07	-33.80	114.16	0.10	0.00	11.44
9,576.50	0.97	118.59	9,569.38	-109.58	-32.73	114.35	0.54	0.52	10.84
9,671.50	1.36	155.24	9,664.36	-110.99	-31.55	115.39	0.86	0.41	38.58
9,766.50	0.79	211.41	9,759.35	-112.57	-31.42	116.87	1.19	-0.60	59.13
9,861.50	0.84	196.29	9,854.34	-113.80	-31.96	118.20	0.23	0.05	-15.92
9,956.50	0.97	192.42	9,949.33	-115.25	-32.32	119.70	0.15	0.14	-4.07
10,050.50	0.92	199.98	10,043.32	-116.74	-32.75	121.25	0.14	-0.05	8.04
10,144.50	0.88	207.80	10,137.30	-118.09	-33.35	122.70	0.14	-0.04	8.32
10,214.50	0.92	206.83	10,207.29	-119.06	-33.85	123.78	0.06	0.06	-1.39
10,289.00	1.13	203.77	10,281.78	-120.27	-34.42	125.10	0.29	0.28	-4.11
10,383.00	1.21	206.46	10,375.76	-122.01	-35.23	126.99	0.10	0.09	2.86
10,478.00	2.55	200.84	10,470.71	-124.88	-36.43	130.08	1.42	1.41	-5.92
10,523.00	10.18	205.03	10,515.40	-129.42	-38.47	135.01	16.98	16.96	9.31
10,574.00	15.86	209.33	10,565.07	-139.59	-43.80	146.24	11.29	11.14	8.43
10,619.00	20.17	200.25	10,607.86	-152.24	-49.50	159.96	11.40	9.58	-20.18
10,669.00	23.05	196.96	10,654.34	-169.69	-55.34	178.35	6.25	5.76	-6.58
10,764.00	23.09	198.10	10,741.75	-205.19	-66.55	215.55	0.47	0.04	1.20
10,859.00	34.97	195.26	10,824.67	-249.32	-79.55	261.56	12.59	12.51	-2.99
10,953.00	41.48	194.11	10,898.47	-305.56	-94.25	319.68	6.97	6.93	-1.22
11,047.00	50.76	192.48	10,963.56	-371.44	-109.74	387.29	9.95	9.87	-1.73
11,142.00	61.52	185.74	11,016.46	-449.19	-121.91	465.42	12.76	11.33	-7.09
11,234.00	71.89	182.51	11,052.80	-533.35	-127.89	548.04	11.72	11.27	-3.51
11,329.00	79.55	182.44	11,076.21	-625.26	-131.86	637.57	8.06	8.06	-0.07
11,424.00	90.61	180.49	11,084.35	-719.73	-134.26	729.14	11.82	11.64	-2.05
11,520.00	91.15	180.11	11,082.87	-815.72	-134.76	821.65	0.69	0.56	-0.40
11,614.00	91.40	179.20	11,080.78	-909.69	-134.20	911.94	1.00	0.27	-0.97
11,709.00	91.09	178.55	11,078.72	-1,004.65	-132.33	1,002.82	0.76	-0.33	-0.68
11,804.00	91.01	177.54	11,076.98	-1,099.58	-129.09	1,093.29	1.07	-0.08	-1.06
11,899.00	89.78	179.15	11,076.32	-1,194.53	-126.35	1,183.93	2.13	-1.29	1.69
11,994.00	90.06	179.14	11,076.45	-1,289.52	-124.93	1,274.96	0.29	0.29	-0.01
12,088.00	91.29	180.75	11,075.35	-1,383.51	-124.84	1,365.39	2.16	1.31	1.71
12,183.00	90.98	180.06	11,073.47	-1,478.49	-125.51	1,456.98	0.80	-0.33	-0.73
12,277.00	88.52	180.67	11,073.88	-1,572.48	-126.11	1,547.60	2.70	-2.62	0.65
12,372.00	87.11	180.21	11,077.50	-1,667.40	-126.84	1,639.15	1.56	-1.48	-0.48
12,467.00	88.88	180.52	11,080.82	-1,762.34	-127.45	1,730.68	1.89	1.86	0.33
12,562.00	89.27	180.24	11,082.35	-1,857.32	-128.07	1,822.27	0.51	0.41	-0.29
12,657.00	89.05	179.91	11,083.75	-1,952.31	-128.20	1,913.72	0.42	-0.23	-0.35
12,751.00	90.56	182.44	11,084.07	-2,046.28	-130.13	2,004.67	3.13	1.61	2.69
12,846.00	90.14	181.70	11,083.49	-2,141.22	-133.56	2,096.97	0.90	-0.44	-0.78

Survey Report

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well 901H
Project:	Eddy County, NM	TVD Reference:	3160+32.5 @ 3192.50usft (NaborsX32)
Site:	Poker Lake Unit 20 BD	MD Reference:	3160+32.5 @ 3192.50usft (NaborsX32)
Well:	901H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral	Database:	EDM 5000.15 Multi User

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)	
12,941.00	90.11	181.89	11,083.28	-2,236.17	-136.53	2,189.16	0.20	-0.03	0.20	
13,036.00	87.84	179.73	11,084.98	-2,331.13	-137.88	2,280.92	3.30	-2.39	-2.27	
13,131.00	87.31	179.97	11,089.00	-2,426.05	-137.63	2,372.20	0.61	-0.56	0.25	
13,226.00	86.41	179.32	11,094.20	-2,520.90	-137.04	2,463.32	1.17	-0.95	-0.68	
13,320.00	89.27	179.25	11,097.75	-2,614.82	-135.87	2,553.39	3.04	3.04	-0.07	
13,415.00	89.55	178.14	11,098.72	-2,709.79	-133.71	2,644.20	1.20	0.29	-1.17	
13,510.00	88.96	177.13	11,099.96	-2,804.70	-129.79	2,734.47	1.23	-0.62	-1.06	
13,605.00	90.36	178.43	11,100.52	-2,899.62	-126.11	2,824.83	2.01	1.47	1.37	
13,700.00	91.23	180.44	11,099.20	-2,994.60	-125.17	2,915.98	2.31	0.92	2.12	
13,793.00	91.46	179.36	11,097.02	-3,087.57	-125.01	3,005.41	1.19	0.25	-1.16	
13,887.00	91.74	181.36	11,094.40	-3,181.53	-125.60	3,096.00	2.15	0.30	2.13	
13,982.00	91.93	180.40	11,091.35	-3,276.47	-127.06	3,187.76	1.03	0.20	-1.01	
14,077.00	93.14	180.81	11,087.15	-3,371.37	-128.06	3,279.36	1.34	1.27	0.43	
14,172.00	90.42	181.24	11,084.20	-3,466.30	-129.76	3,371.18	2.90	-2.86	0.45	
14,265.00	91.74	181.20	11,082.45	-3,559.26	-131.74	3,461.19	1.42	1.42	-0.04	
14,360.00	88.21	180.67	11,082.49	-3,654.23	-133.29	3,553.01	3.76	-3.72	-0.56	
14,454.00	87.96	180.50	11,085.63	-3,748.17	-134.25	3,643.68	0.32	-0.27	-0.18	
14,548.00	89.80	179.81	11,087.47	-3,842.15	-134.50	3,734.19	2.09	1.96	-0.73	
14,644.00	89.24	179.85	11,088.27	-3,938.15	-134.21	3,826.50	0.58	-0.58	0.04	
14,738.00	89.38	179.56	11,089.40	-4,032.14	-133.73	3,916.82	0.34	0.15	-0.31	
14,833.00	89.58	179.03	11,090.27	-4,127.13	-132.56	4,007.92	0.60	0.21	-0.56	
14,928.00	89.24	178.60	11,091.25	-4,222.10	-130.60	4,098.79	0.58	-0.36	-0.45	
15,023.00	90.78	179.96	11,091.23	-4,317.09	-129.40	4,189.88	2.16	1.62	1.43	
15,118.00	90.64	178.96	11,090.05	-4,412.08	-128.51	4,281.05	1.06	-0.15	-1.05	
15,213.00	91.40	178.69	11,088.36	-4,507.04	-126.56	4,371.92	0.85	0.80	-0.28	
15,308.00	91.88	178.93	11,085.64	-4,601.98	-124.59	4,462.75	0.56	0.51	0.25	
15,403.00	92.41	178.32	11,082.09	-4,696.89	-122.31	4,553.47	0.85	0.56	-0.64	
15,497.00	92.63	181.09	11,077.95	-4,790.78	-121.83	4,643.70	2.95	0.23	2.95	
15,592.00	90.53	182.08	11,075.33	-4,885.70	-124.45	4,735.77	2.44	-2.21	1.04	
15,687.00	88.60	181.19	11,076.05	-4,980.66	-127.16	4,827.89	2.24	-2.03	-0.94	
15,781.00	88.82	180.59	11,078.17	-5,074.62	-128.62	4,918.71	0.68	0.23	-0.64	
15,876.00	88.35	180.37	11,080.52	-5,169.59	-129.42	5,010.32	0.55	-0.49	-0.23	
15,969.00	90.36	180.56	11,081.56	-5,262.58	-130.17	5,100.02	2.17	2.16	0.20	
16,064.00	91.06	180.84	11,080.39	-5,357.56	-131.33	5,191.75	0.79	0.74	0.29	
16,159.00	91.37	179.96	11,078.37	-5,452.54	-132.00	5,283.33	0.98	0.33	-0.93	
16,252.00	89.10	180.03	11,077.99	-5,545.53	-131.99	5,372.82	2.44	-2.44	0.08	
16,346.00	89.33	179.59	11,079.28	-5,639.52	-131.68	5,463.19	0.53	0.24	-0.47	
16,440.00	89.41	179.41	11,080.31	-5,733.51	-130.86	5,553.43	0.21	0.09	-0.19	
16,534.00	88.26	178.80	11,082.22	-5,827.48	-129.39	5,643.46	1.38	-1.22	-0.65	
16,629.00	90.56	180.88	11,083.20	-5,922.46	-129.12	5,734.80	3.26	2.42	2.19	
16,724.00	90.70	180.56	11,082.16	-6,017.45	-130.32	5,826.54	0.37	0.15	-0.34	
16,818.00	92.33	180.66	11,079.67	-6,111.41	-131.32	5,917.24	1.74	1.73	0.11	
16,913.00	93.05	180.72	11,075.21	-6,206.29	-132.46	6,008.87	0.76	0.76	0.06	

Survey Report

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well 901H
Project:	Eddy County, NM	TVD Reference:	3160+32.5 @ 3192.50usft (NaborsX32)
Site:	Poker Lake Unit 20 BD	MD Reference:	3160+32.5 @ 3192.50usft (NaborsX32)
Well:	901H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral	Database:	EDM 5000.15 Multi User

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)	
17,008.00	90.90	179.90	11,071.94	-6,301.23	-132.97	6,100.37	2.42	-2.26	-0.86	
17,102.00	90.73	179.64	11,070.60	-6,395.22	-132.60	6,190.72	0.33	-0.18	-0.28	
17,197.00	88.21	179.03	11,071.48	-6,490.20	-131.50	6,281.83	2.73	-2.65	-0.64	
17,292.00	93.70	180.11	11,069.90	-6,585.15	-130.78	6,373.01	5.89	5.78	1.14	
17,386.00	90.45	179.58	11,066.49	-6,679.07	-130.53	6,463.34	3.50	-3.46	-0.56	
17,480.00	88.52	180.86	11,067.34	-6,773.06	-130.89	6,553.89	2.46	-2.05	1.36	
17,575.00	91.15	182.71	11,067.61	-6,868.00	-133.85	6,646.06	3.38	2.77	1.95	
17,669.00	87.51	181.22	11,068.71	-6,961.92	-137.07	6,737.33	4.18	-3.87	-1.59	
17,764.00	88.01	179.84	11,072.43	-7,056.84	-137.95	6,828.92	1.54	0.53	-1.45	
17,858.00	87.00	177.84	11,076.52	-7,150.73	-136.05	6,918.75	2.38	-1.07	-2.13	
17,954.00	86.05	177.50	11,082.34	-7,246.47	-132.15	7,009.84	1.05	-0.99	-0.35	
18,048.00	88.82	178.15	11,086.54	-7,340.30	-128.59	7,099.17	3.03	2.95	0.69	
18,143.00	87.34	176.89	11,089.73	-7,435.15	-124.48	7,189.34	2.05	-1.56	-1.33	
18,238.00	89.69	179.01	11,092.19	-7,530.05	-121.09	7,279.74	3.33	2.47	2.23	
18,333.00	89.58	178.44	11,092.79	-7,625.02	-118.97	7,370.57	0.61	-0.12	-0.60	
18,427.00	88.49	177.13	11,094.38	-7,718.94	-115.34	7,459.97	1.81	-1.16	-1.39	
18,522.00	90.22	178.58	11,095.45	-7,813.86	-111.78	7,550.35	2.38	1.82	1.53	
18,617.00	91.26	180.55	11,094.22	-7,908.84	-111.06	7,641.57	2.34	1.09	2.07	
18,711.00	90.70	180.09	11,092.61	-8,002.82	-111.59	7,732.16	0.77	-0.60	-0.49	
18,806.00	90.92	180.75	11,091.27	-8,097.81	-112.28	7,823.76	0.73	0.23	0.69	
18,901.00	90.36	181.02	11,090.21	-8,192.79	-113.75	7,915.57	0.65	-0.59	0.28	
18,996.00	89.72	180.88	11,090.14	-8,287.78	-115.33	8,007.41	0.69	-0.67	-0.15	
19,091.00	89.02	180.61	11,091.18	-8,382.77	-116.56	8,099.16	0.79	-0.74	-0.28	
19,186.00	91.65	181.52	11,090.63	-8,477.74	-118.33	8,191.04	2.93	2.77	0.96	
19,281.00	92.02	182.05	11,087.59	-8,572.64	-121.28	8,283.18	0.68	0.39	0.56	
19,376.00	92.02	182.27	11,084.24	-8,667.52	-124.86	8,375.46	0.23	0.00	0.23	
19,470.00	89.27	180.35	11,083.18	-8,761.47	-127.01	8,466.47	3.57	-2.93	-2.04	
19,564.00	88.12	181.07	11,085.32	-8,855.44	-128.18	8,557.21	1.44	-1.22	0.77	
19,658.00	88.37	179.02	11,088.20	-8,949.39	-128.25	8,647.65	2.20	0.27	-2.18	
19,752.00	87.76	178.87	11,091.37	-9,043.32	-126.52	8,737.58	0.67	-0.65	-0.16	
19,846.00	90.84	178.49	11,092.52	-9,137.28	-124.35	8,827.41	3.30	3.28	-0.40	
19,941.00	90.59	178.47	11,091.34	-9,232.24	-121.83	8,918.12	0.26	-0.26	-0.02	
20,036.00	89.97	178.31	11,090.87	-9,327.20	-119.17	9,008.78	0.67	-0.65	-0.17	
20,130.00	89.16	178.47	11,091.59	-9,421.16	-116.52	9,098.49	0.88	-0.86	0.17	
20,225.00	89.24	178.85	11,092.91	-9,516.12	-114.30	9,189.28	0.41	0.08	0.40	
20,319.00	88.99	178.55	11,094.37	-9,610.08	-112.17	9,279.13	0.42	-0.27	-0.32	
20,413.00	91.60	178.45	11,093.88	-9,704.04	-109.71	9,368.89	2.78	2.78	-0.11	
20,507.00	91.32	178.36	11,091.49	-9,797.98	-107.09	9,458.58	0.31	-0.30	-0.10	
20,601.00	91.09	178.14	11,089.51	-9,891.91	-104.22	9,548.20	0.34	-0.24	-0.23	
20,696.00	90.48	178.06	11,088.21	-9,986.85	-101.08	9,638.71	0.65	-0.64	-0.08	
20,791.00	90.17	177.52	11,087.67	-10,081.78	-97.41	9,729.07	0.66	-0.33	-0.57	
20,885.00	89.10	176.99	11,088.27	-10,175.67	-92.91	9,818.21	1.27	-1.14	-0.56	
20,980.00	88.96	177.20	11,089.88	-10,270.53	-88.10	9,908.20	0.27	-0.15	0.22	
21,073.00	88.43	176.88	11,091.99	-10,363.38	-83.30	9,996.25	0.67	-0.57	-0.34	

Survey Report

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well 901H
Project:	Eddy County, NM	TVD Reference:	3160+32.5 @ 3192.50usft (NaborsX32)
Site:	Poker Lake Unit 20 BD	MD Reference:	3160+32.5 @ 3192.50usft (NaborsX32)
Well:	901H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Lateral	Database:	EDM 5000.15 Multi User

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)
21,168.00	88.54	176.76	11,094.51	-10,458.20	-78.03	10,086.07	0.17	0.12	-0.13
21,262.00	87.26	176.70	11,097.95	-10,551.98	-72.67	10,174.87	1.36	-1.36	-0.06
21,357.00	86.36	176.92	11,103.24	-10,646.69	-67.39	10,264.58	0.98	-0.95	0.23
21,390.00	86.10	177.08	11,105.41	-10,679.57	-65.67	10,295.76	0.92	-0.79	0.48
21,445.00	86.10	177.08	11,109.15	-10,734.37	-62.87	10,347.74	0.00	0.00	0.00

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 20 BD 901H SL - actual wellpath misses target center by 0.34usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E) - Point	0.00	0.00	0.00	0.09	-0.33	403,645.08	631,064.98	32.109029	-103.910036
PLU 20 BD 901H 330' H - actual wellpath misses target center by 0.02usft at 11365.73usft MD (11081.52 TVD, -661.58 N, -133.16 E) - Point	0.00	0.00	11,081.52	-661.60	-133.16	402,983.39	630,932.14	32.107212	-103.910474
PLU 20 BD 901H 330' H - actual wellpath hits target center - Point	0.00	0.00	11,101.89	-10,625.00	-68.57	393,019.99	630,996.74	32.079822	-103.910391
PLU 20 BD BHL - actual wellpath hits target center - Point	0.00	0.00	11,109.15	-10,734.37	-62.87	392,910.62	631,002.43	32.079521	-103.910374

Checked By: _____ Approved By: _____ Date: _____