

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 30-015-44899	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP
⁴ Property Code 260737	⁵ Property Name POKER LAKE UNIT 18 BD	⁶ Well Number 101H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC	⁹ Elevation 3,164'

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
L2	18	25 S	30 E		2,310	NORTH	570	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
L4	19	25 S	30 E		186	SOUTH	549	WEST	EDDY

¹² Dedicated Acres 482.62	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

	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 411,606.9 X= 625,756.9 LAT.= 32.130972°N LONG.= 103.927082°W FIRST TAKE POINT NAD 27 NME Y= 410,908.3 X= 625,708.5 LAT.= 32.129052°N LONG.= 103.927247°W	GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 411,665.2 X= 666,941.5 LAT.= 32.131096°N LONG.= 103.927567°W FIRST TAKE POINT NAD 83 NME Y= 410,966.6 X= 666,893.1 LAT.= 32.129176°N LONG.= 103.927731°W	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature Date 7/27/20 Cheryl Rowell Printed Name cheryl_rowell@xtoenergy.com E-mail Address
	CORNER COORDINATES TABLE NAD 27 NME A - Y= 411,254.3 N, X= 625,189.0 E B - Y= 411,260.5 N, X= 626,533.3 E C - Y= 408,594.2 N, X= 625,204.2 E D - Y= 408,601.2 N, X= 626,548.3 E E - Y= 405,935.1 N, X= 625,221.5 E F - Y= 405,943.0 N, X= 626,563.0 E G - Y= 403,277.4 N, X= 625,238.2 E H - Y= 403,285.0 N, X= 626,577.4 E		
	CORNER COORDINATES TABLE NAD 83 NME A - Y= 411,312.6 N, X= 666,373.6 E B - Y= 411,318.8 N, X= 667,717.9 E C - Y= 408,652.4 N, X= 666,388.9 E D - Y= 408,659.4 N, X= 667,733.0 E E - Y= 405,993.3 N, X= 666,406.3 E F - Y= 406,001.2 N, X= 667,747.8 E G - Y= 403,335.5 N, X= 666,423.1 E H - Y= 403,343.1 N, X= 667,762.3 E		
	LAST TAKE POINT NAD 27 NME Y= 403,612.5 X= 625,770.4 LAT.= 32.108996°N LONG.= 103.927136°W BOTTOM HOLE LOCATION NAD 27 NME Y= 403,466.4 X= 625,786.3 LAT.= 32.108594°N LONG.= 103.927086°W		

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.

7-27-2020

Date of Survey

Signature and Seal of
Professional Surveyor:

 MARK DILLON HARP 23786
 Certificate Number


JC

2017050635

Intent ☐ As Drilled ☒

API #
30-015-44899

Operator Name:
XTO PERMIAN OPERATING, LLC

Property Name:
POKER LAKE UNIT 18 BD

Well Number
101H

Kick Off Point (KOP)

UL L2	Section 18	Township 25S	Range 30E	Lot	Feet 2407	From N/S N	Feet 562	From E/W W	County EDDY
Latitude 32.130829					Longitude 103.927592			NAD 83	

First Take Point (FTP)

UL L3	Section 18	Township 25S	Range 30E	Lot	Feet 2312	From N/S S	Feet 518	From E/W W	County EDDY
Latitude 32.129176					Longitude 103.927731			NAD 83	

Last Take Point (LTP)

UL L4	Section 19	Township 25S	Range 30E	Lot	Feet 331	From N/S S	Feet 534	From E/W W	County EDDY
Latitude 32.109120					Longitude 103.927619			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 #
30-015-44891

Operator Name:
XTO PERMIAN OPERATING, LLC

Property Name:
POKER LAKE UNIT 18 BD

Well Number
103H

KZ 06/29/2018



VIA E DOCS COMMENT:

"10/2/2020 2:21:28 PM : Refile - Original C-104NW Denied XTO is actively pursuing certification for the survey from surface to 3400'. The company that shot the survey has gone out of business due to the current economic environment. Completion Pkg C-104 NW C-102 w/ attachments 3160-4 (crowell as Submitter) "

XTO ENERGY, INC.

Eddy County, NM

Sec 18, T25S, R30E (Grid North)

Poker Lake Unit 18 Brushy Draw #101H

Wellbore #1

Design: Wellbore #1

QES Survey Certification Report

10 March, 2019



Quintana Energy Services

11390 FM 830
Willis, TX 77318
Phone: (936) 856-4332
Fax: (936) 856-8678



Survey Certification Sheet

Company	Job Number	Date
XTO Energy, Inc.	WT-190234	3/12/2019

Lease	Well Name	County & State
SEC 218 T25S, R30E	Poker Lake Unit 18 Brushy Draw #101H	Eddy County, WY

API No.	Survey Depth Range	Survey Type
30-015-44899	3426 feet to 18386 feet MD	MWD

Sidetrack Information	Directional Supervisor/Surveyor
Click here to enter text.	Scott Rupley

Certification Statement

The data and calculations for this survey have been checked by me and conform to the standards and procedures set forth by Quintana Energy Services (QES). This report represents a true and correct directional survey of this well based on the original data obtained at the well site. Wellbore coordinates are calculated using minimum curvature.

Christopher Hughes
MWD Compliance Manager

Quintana Energy Services

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well Poker Lake Unit 18 Brushy Draw #101H
Project:	Eddy County, NM	TVD Reference:	RKB @ 3186.0usft (Akita #22)
Site:	Sec 18, T25S, R30E (Grid North)	MD Reference:	RKB @ 3186.0usft (Akita #22)
Well:	Poker Lake Unit 18 Brushy Draw #101H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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	Sec 18, T25S, R30E (Grid North)		
Site Position:		Northing:	411,610.00 usft
From:	Map	Easting:	626,551.90 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 7' 51.500 N
		Longitude:	103° 55' 28.249 W
		Grid Convergence:	0.22 °

Well	Poker Lake Unit 18 Brushy Draw #101H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 7' 51.499 N
		Longitude:	103° 55' 37.495 W
		Ground Level:	3,164.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/12/2019	6.93	59.90	47,677.09287470

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	179.79	

Survey Program	Date	3/10/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
198.0	3,426.0	Surface Surveys - Unknown MWD (Wellbo	MWD	OWSG MWD - Standard	
3,523.0	18,386.0	QES MWD Surveys (Wellbore #1)	MWD	OWSG 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)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
198.0	1.20	280.00	198.0	0.4	-2.0	-0.4	0.61	0.61	0.00	
296.0	0.70	316.40	296.0	1.0	-3.5	-1.0	0.78	-0.51	37.14	
388.0	0.40	54.10	388.0	1.6	-3.6	-1.6	0.93	-0.33	106.20	
479.0	0.70	85.70	479.0	1.8	-2.8	-1.8	0.46	0.33	34.73	
568.0	0.90	92.10	568.0	1.8	-1.5	-1.8	0.25	0.22	7.19	
657.0	1.10	122.50	656.9	1.3	-0.1	-1.3	0.63	0.22	34.16	
753.0	1.10	76.90	752.9	1.0	1.6	-1.0	0.89	0.00	-47.50	
770.0	1.20	70.20	769.9	1.1	1.9	-1.1	0.98	0.59	-39.41	
835.0	1.20	70.20	834.9	1.6	3.2	-1.6	0.00	0.00	0.00	

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well Poker Lake Unit 18 Brushy Draw #101H
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Site:	Sec 18, T25S, R30E (Grid North)	MD Reference:	RKB @ 3186.0usft (Akita #22)
Well:	Poker Lake Unit 18 Brushy Draw #101H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 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)
945.0	1.50	66.00	944.9	2.6	5.6	-2.6	0.29	0.27	-3.82
1,040.0	1.50	64.10	1,039.8	3.6	7.8	-3.6	0.05	0.00	-2.00
1,126.0	1.50	82.80	1,125.8	4.3	9.9	-4.2	0.57	0.00	21.74
1,221.0	1.50	90.60	1,220.8	4.4	12.4	-4.4	0.21	0.00	8.21
1,316.0	2.00	73.80	1,315.7	4.8	15.3	-4.8	0.75	0.53	-17.68
1,412.0	2.20	62.00	1,411.7	6.2	18.5	-6.1	0.50	0.21	-12.29
1,507.0	2.40	53.60	1,506.6	8.2	21.7	-8.1	0.41	0.21	-8.84
1,601.0	2.40	48.90	1,600.5	10.7	24.8	-10.6	0.21	0.00	-5.00
1,696.0	2.50	37.90	1,695.4	13.6	27.5	-13.5	0.51	0.11	-11.58
1,790.0	1.80	42.40	1,789.4	16.3	29.8	-16.2	0.77	-0.74	4.79
1,884.0	1.00	332.70	1,883.3	18.1	30.4	-18.0	1.84	-0.85	-74.15
1,978.0	0.70	308.00	1,977.3	19.2	29.6	-19.1	0.50	-0.32	-26.28
2,072.0	0.80	296.30	2,071.3	19.9	28.5	-19.8	0.19	0.11	-12.45
2,167.0	0.50	285.70	2,166.3	20.3	27.6	-20.2	0.34	-0.32	-11.16
2,261.0	0.60	278.30	2,260.3	20.5	26.7	-20.4	0.13	0.11	-7.87
2,355.0	0.40	289.90	2,354.3	20.6	25.9	-20.6	0.24	-0.21	12.34
2,449.0	0.60	333.80	2,448.3	21.2	25.3	-21.1	0.44	0.21	46.70
2,544.0	0.60	310.50	2,543.3	22.0	24.8	-21.9	0.26	0.00	-24.53
2,637.0	0.30	293.40	2,636.3	22.4	24.2	-22.3	0.35	-0.32	-18.39
2,736.0	0.50	311.10	2,735.3	22.8	23.6	-22.7	0.24	0.20	17.88
2,829.0	0.40	170.70	2,828.3	22.7	23.3	-22.6	0.91	-0.11	-150.97
2,924.0	0.30	104.50	2,923.3	22.3	23.6	-22.2	0.41	-0.11	-69.68
3,019.0	0.80	96.70	3,018.3	22.2	24.5	-22.1	0.53	0.53	-8.21
3,112.0	1.50	128.40	3,111.3	21.4	26.1	-21.3	0.99	0.75	34.09
3,207.0	2.50	121.50	3,206.2	19.5	28.9	-19.4	1.08	1.05	-7.26
3,302.0	2.20	107.50	3,301.1	17.9	32.4	-17.7	0.68	-0.32	-14.74
3,396.0	1.20	100.00	3,395.1	17.2	35.1	-17.0	1.09	-1.06	-7.98
MWD Tie-in @ 3426.0' MD / 3425.1' TVD									
3,426.0	0.80	108.00	3,425.1	17.0	35.6	-16.9	1.41	-1.33	26.67
3,523.0	0.50	90.00	3,522.1	16.8	36.6	-16.7	0.37	-0.31	-18.56
3,617.0	1.40	203.80	3,616.1	15.8	36.6	-15.6	1.77	0.96	121.06
3,711.0	4.30	216.30	3,709.9	11.9	34.0	-11.8	3.14	3.09	13.30
3,805.0	4.80	222.70	3,803.6	6.2	29.3	-6.0	0.76	0.53	6.81
3,898.0	4.40	225.50	3,896.3	0.8	24.1	-0.7	0.49	-0.43	3.01
3,993.0	5.60	205.40	3,991.0	-5.9	19.5	6.0	2.22	1.26	-21.16
4,087.0	6.20	195.90	4,084.5	-15.0	16.2	15.0	1.22	0.64	-10.11
4,181.0	6.50	190.90	4,177.9	-25.1	13.8	25.1	0.67	0.32	-5.32
4,274.0	6.50	193.80	4,270.3	-35.4	11.5	35.4	0.35	0.00	3.12
4,368.0	6.00	192.90	4,363.8	-45.3	9.1	45.4	0.54	-0.53	-0.96
4,461.0	5.70	193.80	4,456.3	-54.5	7.0	54.6	0.34	-0.32	0.97
4,555.0	5.40	190.20	4,549.8	-63.4	5.1	63.4	0.49	-0.32	-3.83
4,649.0	5.50	190.40	4,643.4	-72.2	3.5	72.2	0.11	0.11	0.21
4,744.0	3.40	188.70	4,738.1	-79.5	2.2	79.5	2.21	-2.21	-1.79

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Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 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)
4,837.0	1.70	169.50	4,831.0	-83.6	2.1	83.6	2.02	-1.83	-20.65
4,931.0	1.50	175.00	4,925.0	-86.2	2.4	86.2	0.27	-0.21	5.85
5,025.0	0.60	169.10	5,019.0	-87.9	2.6	87.9	0.96	-0.96	-6.28
5,118.0	0.20	187.10	5,112.0	-88.5	2.7	88.5	0.45	-0.43	19.35
5,212.0	0.20	168.60	5,206.0	-88.8	2.7	88.8	0.07	0.00	-19.68
5,306.0	0.20	162.80	5,300.0	-89.1	2.8	89.2	0.02	0.00	-6.17
5,400.0	0.50	176.80	5,394.0	-89.7	2.9	89.7	0.33	0.32	14.89
5,493.0	0.50	167.10	5,487.0	-90.5	3.0	90.5	0.09	0.00	-10.43
5,587.0	0.60	202.20	5,581.0	-91.4	2.9	91.4	0.37	0.11	37.34
5,681.0	0.70	194.40	5,675.0	-92.4	2.5	92.4	0.14	0.11	-8.30
5,775.0	1.00	218.10	5,768.9	-93.6	1.9	93.6	0.49	0.32	25.21
5,870.0	1.00	200.60	5,863.9	-95.0	1.1	95.0	0.32	0.00	-18.42
5,963.0	1.10	212.20	5,956.9	-96.5	0.3	96.5	0.25	0.11	12.47
6,057.0	0.50	210.40	6,050.9	-97.6	-0.4	97.6	0.64	-0.64	-1.91
6,151.0	0.50	230.60	6,144.9	-98.3	-0.9	98.3	0.19	0.00	21.49
6,245.0	0.60	216.90	6,238.9	-98.9	-1.5	98.9	0.18	0.11	-14.57
6,338.0	0.30	352.80	6,331.9	-99.1	-1.8	99.0	0.91	-0.32	146.13
6,433.0	0.00	192.30	6,426.9	-98.8	-1.9	98.8	0.32	-0.32	0.00
6,526.0	0.20	277.30	6,519.9	-98.8	-2.0	98.8	0.22	0.22	0.00
6,619.0	0.20	189.00	6,612.9	-98.9	-2.2	98.9	0.30	0.00	-94.95
6,713.0	0.10	277.50	6,706.9	-99.1	-2.3	99.1	0.24	-0.11	94.15
6,807.0	0.10	243.10	6,800.9	-99.1	-2.5	99.1	0.06	0.00	-36.60
6,901.0	0.50	240.80	6,894.9	-99.3	-2.9	99.3	0.43	0.43	-2.45
6,995.0	0.80	241.10	6,988.9	-99.9	-3.8	99.8	0.32	0.32	0.32
7,088.0	1.00	241.60	7,081.9	-100.6	-5.1	100.5	0.22	0.22	0.54
7,183.0	1.40	241.40	7,176.9	-101.5	-6.9	101.5	0.42	0.42	-0.21
7,276.0	0.70	331.90	7,269.8	-101.6	-8.1	101.5	1.69	-0.75	97.31
7,370.0	0.60	331.50	7,363.8	-100.6	-8.6	100.6	0.11	-0.11	-0.43
7,465.0	0.70	302.90	7,458.8	-99.9	-9.4	99.8	0.35	0.11	-30.11
7,558.0	1.10	283.00	7,551.8	-99.4	-10.7	99.3	0.54	0.43	-21.40
7,653.0	0.50	316.00	7,646.8	-98.8	-11.9	98.8	0.77	-0.63	34.74
7,747.0	1.50	310.10	7,740.8	-97.8	-13.1	97.7	1.07	1.06	-6.28
7,842.0	2.30	332.50	7,835.7	-95.3	-14.9	95.2	1.13	0.84	23.58
7,935.0	1.00	356.20	7,928.7	-92.8	-15.8	92.7	1.55	-1.40	25.48
8,031.0	0.70	344.10	8,024.7	-91.4	-16.1	91.3	0.36	-0.31	-12.60
8,125.0	1.10	314.70	8,118.7	-90.2	-16.9	90.2	0.64	0.43	-31.28
8,219.0	0.60	57.10	8,212.7	-89.3	-17.1	89.3	1.45	-0.53	108.94
8,314.0	0.70	93.70	8,307.7	-89.1	-16.1	89.0	0.44	0.11	38.53
8,410.0	0.20	92.90	8,403.7	-89.1	-15.3	89.1	0.52	-0.52	-0.83
8,504.0	0.30	330.20	8,497.7	-88.9	-15.3	88.9	0.47	0.11	-130.53
8,600.0	1.00	336.20	8,593.7	-87.9	-15.8	87.9	0.73	0.73	6.25
8,694.0	0.70	13.00	8,687.7	-86.6	-16.0	86.6	0.65	-0.32	39.15
8,788.0	1.00	150.90	8,781.6	-86.8	-15.4	86.7	1.69	0.32	146.70

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well Poker Lake Unit 18 Brushy Draw #101H
Project:	Eddy County, NM	TVD Reference:	RKB @ 3186.0usft (Akita #22)
Site:	Sec 18, T25S, R30E (Grid North)	MD Reference:	RKB @ 3186.0usft (Akita #22)
Well:	Poker Lake Unit 18 Brushy Draw #101H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 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)
8,883.0	1.70	178.50	8,876.6	-88.9	-15.0	88.9	0.99	0.74	29.05
8,978.0	2.20	167.30	8,971.6	-92.1	-14.6	92.1	0.66	0.53	-11.79
9,073.0	0.70	96.80	9,066.5	-94.0	-13.6	93.9	2.18	-1.58	-74.21
9,168.0	0.10	121.90	9,161.5	-94.1	-12.9	94.0	0.64	-0.63	26.42
9,262.0	0.50	162.60	9,255.5	-94.5	-12.7	94.5	0.46	0.43	43.30
9,357.0	0.00	159.00	9,350.5	-94.9	-12.6	94.9	0.53	-0.53	0.00
9,452.0	0.90	127.80	9,445.5	-95.4	-12.0	95.3	0.95	0.95	0.00
9,546.0	1.50	143.90	9,539.5	-96.8	-10.7	96.8	0.73	0.64	17.13
9,640.0	0.60	56.60	9,633.5	-97.5	-9.6	97.5	1.69	-0.96	-92.87
9,734.0	0.60	70.60	9,727.5	-97.1	-8.7	97.1	0.16	0.00	14.89
9,830.0	0.30	92.10	9,823.5	-96.9	-8.0	96.9	0.35	-0.31	22.40
9,938.0	0.20	109.20	9,931.5	-97.0	-7.5	97.0	0.11	-0.09	15.83
9,985.0	2.00	185.90	9,978.5	-97.8	-7.5	97.8	4.18	3.83	163.19
10,030.0	5.40	179.80	10,023.4	-100.7	-7.6	100.7	7.60	7.56	-13.56
10,076.0	9.80	175.90	10,069.0	-106.8	-7.3	106.8	9.63	9.57	-8.48
10,123.0	13.80	175.10	10,115.0	-116.4	-6.6	116.4	8.52	8.51	-1.70
10,170.0	18.50	177.00	10,160.1	-129.4	-5.7	129.4	10.06	10.00	4.04
10,217.0	22.30	179.00	10,204.1	-145.8	-5.1	145.8	8.22	8.09	4.26
10,264.0	26.10	182.10	10,247.0	-165.1	-5.4	165.0	8.52	8.09	6.60
10,311.0	30.50	181.90	10,288.4	-187.3	-6.1	187.3	9.36	9.36	-0.43
10,358.0	35.30	180.60	10,327.8	-212.8	-6.7	212.8	10.32	10.21	-2.77
10,405.0	40.20	179.00	10,365.0	-241.6	-6.5	241.6	10.63	10.43	-3.40
10,452.0	45.40	178.60	10,399.4	-273.5	-5.9	273.5	11.08	11.06	-0.85
10,499.0	48.70	178.70	10,431.5	-307.9	-5.1	307.9	7.02	7.02	0.21
10,546.0	52.10	181.90	10,461.4	-344.1	-5.3	344.1	8.93	7.23	6.81
Cross LL@ 10553.4' MD / 10465.9' TVD									
10,553.4	52.82	182.31	10,465.9	-350.0	-5.5	349.9	10.70	9.74	5.59
10,593.0	56.70	184.40	10,488.8	-382.2	-7.4	382.2	10.70	9.80	5.27
10,640.0	60.10	188.20	10,513.4	-422.0	-11.8	422.0	9.99	7.23	8.09
10,687.0	62.90	190.60	10,535.8	-462.8	-18.6	462.7	7.46	5.96	5.11
10,734.0	65.60	189.10	10,556.3	-504.5	-25.8	504.4	6.42	5.74	-3.19
10,780.0	70.20	188.60	10,573.6	-546.6	-32.4	546.4	10.05	10.00	-1.09
10,828.0	75.00	188.20	10,587.9	-591.9	-39.0	591.7	10.03	10.00	-0.83
10,875.0	79.20	186.10	10,598.4	-637.3	-44.7	637.1	9.94	8.94	-4.47
10,922.0	83.10	182.00	10,605.6	-683.6	-48.0	683.4	11.96	8.30	-8.72
Cross 350' FNL@ 10938.7' MD / 10607.4' TVD									
10,938.7	84.62	181.35	10,607.4	-700.2	-48.5	700.0	9.93	9.13	-3.92
10,945.0	85.20	181.10	10,608.0	-706.5	-48.6	706.3	9.93	9.13	-3.90
10,988.0	86.50	179.20	10,611.1	-749.4	-48.7	749.2	5.34	3.02	-4.42
11,083.0	90.10	178.70	10,613.9	-844.3	-47.0	844.1	3.83	3.79	-0.53
11,177.0	88.90	177.50	10,614.7	-938.2	-43.9	938.1	1.81	-1.28	-1.28
11,271.0	89.50	177.90	10,616.0	-1,032.1	-40.1	1,032.0	0.77	0.64	0.43
11,365.0	90.00	178.80	10,616.4	-1,126.1	-37.4	1,126.0	1.10	0.53	0.96
11,459.0	90.30	179.90	10,616.2	-1,220.1	-36.3	1,220.0	1.21	0.32	1.17

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well Poker Lake Unit 18 Brushy Draw #101H
Project:	Eddy County, NM	TVD Reference:	RKB @ 3186.0usft (Akita #22)
Site:	Sec 18, T25S, R30E (Grid North)	MD Reference:	RKB @ 3186.0usft (Akita #22)
Well:	Poker Lake Unit 18 Brushy Draw #101H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 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)
11,553.0	90.40	180.20	10,615.6	-1,314.1	-36.4	1,314.0	0.34	0.11	0.32
11,647.0	90.30	180.80	10,615.1	-1,408.1	-37.2	1,407.9	0.65	-0.11	0.64
11,741.0	93.00	179.40	10,612.3	-1,502.0	-37.4	1,501.9	3.24	2.87	-1.49
11,835.0	90.60	179.20	10,609.4	-1,596.0	-36.3	1,595.8	2.56	-2.55	-0.21
11,929.0	89.40	178.80	10,609.4	-1,690.0	-34.6	1,689.8	1.35	-1.28	-0.43
12,023.0	89.10	178.70	10,610.6	-1,783.9	-32.6	1,783.8	0.34	-0.32	-0.11
12,118.0	88.90	178.60	10,612.3	-1,878.9	-30.3	1,878.8	0.24	-0.21	-0.11
12,211.0	88.50	178.10	10,614.4	-1,971.8	-27.7	1,971.7	0.69	-0.43	-0.54
12,305.0	89.20	177.80	10,616.3	-2,065.8	-24.3	2,065.6	0.81	0.74	-0.32
12,399.0	89.10	177.40	10,617.7	-2,159.7	-20.4	2,159.6	0.44	-0.11	-0.43
12,493.0	89.70	177.80	10,618.7	-2,253.6	-16.4	2,253.5	0.77	0.64	0.43
12,587.0	89.20	177.80	10,619.6	-2,347.5	-12.8	2,347.4	0.53	-0.53	0.00
12,682.0	91.80	177.70	10,618.7	-2,442.4	-9.1	2,442.4	2.74	2.74	-0.11
12,776.0	89.80	177.30	10,617.4	-2,536.3	-5.0	2,536.3	2.17	-2.13	-0.43
12,870.0	88.70	177.30	10,618.6	-2,630.2	-0.6	2,630.2	1.17	-1.17	0.00
12,964.0	90.30	179.20	10,619.5	-2,724.1	2.3	2,724.1	2.64	1.70	2.02
13,057.0	88.40	178.10	10,620.5	-2,817.1	4.5	2,817.1	2.36	-2.04	-1.18
13,152.0	92.30	180.00	10,619.9	-2,912.1	6.1	2,912.1	4.57	4.11	2.00
13,246.0	91.70	179.70	10,616.7	-3,006.0	6.3	3,006.0	0.71	-0.64	-0.32
13,340.0	91.50	179.20	10,614.0	-3,100.0	7.2	3,100.0	0.57	-0.21	-0.53
13,435.0	91.10	179.10	10,611.9	-3,194.9	8.6	3,194.9	0.43	-0.42	-0.11
13,530.0	90.30	178.40	10,610.7	-3,289.9	10.7	3,289.9	1.12	-0.84	-0.74
13,624.0	89.20	177.90	10,611.1	-3,383.8	13.7	3,383.9	1.29	-1.17	-0.53
13,718.0	91.30	177.50	10,610.7	-3,477.8	17.5	3,477.8	2.27	2.23	-0.43
13,812.0	90.40	177.00	10,609.3	-3,571.6	22.0	3,571.7	1.10	-0.96	-0.53
13,907.0	92.40	177.80	10,607.0	-3,666.5	26.3	3,666.6	2.27	2.11	0.84
14,001.0	92.50	177.70	10,603.0	-3,760.4	30.0	3,760.4	0.15	0.11	-0.11
14,095.0	93.30	180.20	10,598.2	-3,854.2	31.7	3,854.3	2.79	0.85	2.66
14,189.0	93.90	180.60	10,592.3	-3,948.0	31.1	3,948.1	0.77	0.64	0.43
14,283.0	93.40	180.00	10,586.3	-4,041.8	30.6	4,041.9	0.83	-0.53	-0.64
14,377.0	92.60	179.80	10,581.4	-4,135.7	30.8	4,135.8	0.88	-0.85	-0.21
14,471.0	91.60	180.50	10,578.0	-4,229.6	30.5	4,229.7	1.30	-1.06	0.74
14,566.0	90.30	179.60	10,576.4	-4,324.6	30.4	4,324.7	1.66	-1.37	-0.95
14,660.0	90.00	179.60	10,576.2	-4,418.6	31.1	4,418.7	0.32	-0.32	0.00
14,754.0	88.10	176.70	10,577.7	-4,512.5	34.1	4,512.6	3.69	-2.02	-3.09
14,848.0	90.50	181.00	10,578.9	-4,606.5	36.0	4,606.6	5.24	2.55	4.57
14,942.0	88.50	180.00	10,579.7	-4,700.5	35.2	4,700.6	2.38	-2.13	-1.06
15,036.0	90.70	181.40	10,580.3	-4,794.5	34.0	4,794.5	2.77	2.34	1.49
15,131.0	89.60	182.40	10,580.1	-4,889.4	30.9	4,889.5	1.56	-1.16	1.05
15,225.0	90.10	184.40	10,580.3	-4,983.2	25.3	4,983.3	2.19	0.53	2.13
15,319.0	88.80	185.40	10,581.2	-5,076.9	17.3	5,076.9	1.74	-1.38	1.06
15,413.0	87.90	182.90	10,584.0	-5,170.6	10.5	5,170.6	2.83	-0.96	-2.66
15,507.0	88.30	183.90	10,587.1	-5,264.4	4.9	5,264.3	1.15	0.43	1.06

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well Poker Lake Unit 18 Brushy Draw #101H
Project:	Eddy County, NM	TVD Reference:	RKB @ 3186.0usft (Akita #22)
Site:	Sec 18, T25S, R30E (Grid North)	MD Reference:	RKB @ 3186.0usft (Akita #22)
Well:	Poker Lake Unit 18 Brushy Draw #101H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 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)	
15,602.0	87.40	181.70	10,590.6	-5,359.2	0.3	5,359.1	2.50	-0.95	-2.32	
15,696.0	87.60	182.50	10,594.7	-5,453.0	-3.2	5,453.0	0.88	0.21	0.85	
15,790.0	88.00	179.90	10,598.3	-5,546.9	-5.1	5,546.9	2.80	0.43	-2.77	
15,884.0	87.40	182.70	10,602.1	-5,640.8	-7.3	5,640.8	3.04	-0.64	2.98	
15,978.0	89.60	177.20	10,604.6	-5,734.7	-7.2	5,734.7	6.30	2.34	-5.85	
16,088.0	90.10	177.30	10,604.9	-5,844.6	-1.9	5,844.6	0.46	0.45	0.09	
16,167.0	89.90	177.40	10,604.9	-5,923.5	1.8	5,923.5	0.28	-0.25	0.13	
16,261.0	88.00	176.30	10,606.6	-6,017.4	6.9	6,017.4	2.34	-2.02	-1.17	
16,355.0	89.60	178.40	10,608.6	-6,111.2	11.3	6,111.2	2.81	1.70	2.23	
16,449.0	89.80	178.60	10,609.1	-6,205.2	13.7	6,205.2	0.30	0.21	0.21	
16,544.0	91.10	180.10	10,608.3	-6,300.2	14.8	6,300.2	2.09	1.37	1.58	
16,637.0	90.00	179.90	10,607.4	-6,393.2	14.8	6,393.2	1.20	-1.18	-0.22	
16,732.0	88.10	178.60	10,609.0	-6,488.2	16.0	6,488.2	2.42	-2.00	-1.37	
16,826.0	91.20	180.00	10,609.6	-6,582.1	17.2	6,582.2	3.62	3.30	1.49	
16,920.0	92.70	179.20	10,606.4	-6,676.1	17.8	6,676.1	1.81	1.60	-0.85	
17,014.0	90.20	181.30	10,604.0	-6,770.0	17.4	6,770.0	3.47	-2.66	2.23	
17,108.0	89.50	180.50	10,604.2	-6,864.0	16.0	6,864.0	1.13	-0.74	-0.85	
17,202.0	89.30	180.20	10,605.2	-6,958.0	15.4	6,958.0	0.38	-0.21	-0.32	
17,296.0	91.10	182.00	10,604.9	-7,052.0	13.6	7,052.0	2.71	1.91	1.91	
17,391.0	90.30	181.20	10,603.7	-7,146.9	10.9	7,146.9	1.19	-0.84	-0.84	
17,485.0	91.30	182.10	10,602.4	-7,240.9	8.2	7,240.9	1.43	1.06	0.96	
17,579.0	90.40	181.80	10,601.0	-7,334.8	5.0	7,334.8	1.01	-0.96	-0.32	
17,674.0	89.50	181.30	10,601.1	-7,429.8	2.5	7,429.7	1.08	-0.95	-0.53	
17,768.0	90.40	179.80	10,601.2	-7,523.8	1.6	7,523.7	1.86	0.96	-1.60	
17,862.0	89.80	179.60	10,601.0	-7,617.8	2.0	7,617.7	0.67	-0.64	-0.21	
17,957.0	90.50	180.00	10,600.8	-7,712.8	2.4	7,712.7	0.85	0.74	0.42	
18,051.0	91.00	178.70	10,599.5	-7,806.8	3.4	7,806.7	1.48	0.53	-1.38	
18,145.0	91.00	177.40	10,597.9	-7,900.7	6.6	7,900.7	1.38	0.00	-1.38	
18,239.0	89.10	174.20	10,597.8	-7,994.4	13.5	7,994.4	3.96	-2.02	-3.40	
Cross 330' FSL@ 18241.6' MD / 10597.9' TVD										
18,241.6	89.09	174.18	10,597.9	-7,997.0	13.8	7,997.0	0.84	-0.54	-0.65	
18,332.0	88.60	173.60	10,599.7	-8,086.9	23.4	8,086.9	0.84	-0.54	-0.65	
TD @ 18386.0' MD / 10601.0' TVD										
18,386.0	88.60	173.60	10,601.0	-8,140.5	29.4	8,140.6	0.00	0.00	0.00	

Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well Poker Lake Unit 18 Brushy Draw #101H
Project:	Eddy County, NM	TVD Reference:	RKB @ 3186.0usft (Akita #22)
Site:	Sec 18, T25S, R30E (Grid North)	MD Reference:	RKB @ 3186.0usft (Akita #22)
Well:	Poker Lake Unit 18 Brushy Draw #101H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
3,426.0	3,425.1	17.0	35.6	MWD Tie-in @ 3426.0' MD / 3425.1' TVD	
10,553.4	10,465.9	-350.0	-5.5	Cross LL@ 10553.4' MD / 10465.9' TVD	
10,938.7	10,607.4	-700.2	-48.5	Cross 350' FNL@ 10938.7' MD / 10607.4' TVD	
18,241.6	10,597.9	-7,997.0	13.8	Cross 330' FSL@ 18241.6' MD / 10597.9' TVD	
18,386.0	10,601.0	-8,140.5	29.4	TD @ 18386.0' MD / 10601.0' TVD	