

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: (505) 748-1283 Fax: (505) 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

<sup>1</sup> API Number 30-015-45431	<sup>2</sup> Pool Code 96217	<sup>3</sup> Pool Name Willow Lake; Bone Spring
<sup>4</sup> Property Code 322863	<sup>5</sup> Property Name CORRAL CANYON FEDERAL	
<sup>7</sup> OGRID No. 05380	<sup>8</sup> Operator Name XTO ENERGY, INC.	<sup>6</sup> Well Number 24H
		<sup>9</sup> Elevation 3,028'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	10	25 S	29 E		285	NORTH	330	EAST	EDDY

<sup>11</sup> 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
1	3	25 S	29 E		50	NORTH	697	EAST	EDDY

<sup>12</sup> Dedicated Acres 159.65	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
---	-------------------------------	----------------------------------	-------------------------

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

**T24S R29E SEC. 34**

**T25S R29E SEC. 3**

**SEC. 10**

Labels: B.H.L., L.T.P., F.T.P., S.H.L., K.O.P., MD=14,067', MD=9,360', MD=8,205', 185', 50', 697', 696', 330', 410', 357', 285', 444', 626', 330'

**GEODETIC COORDINATES NAD 27 NME**

**SURFACE LOCATION**  
Y= 418,872.1  
X= 614,204.7  
LAT.= 32.151058°N  
LONG.= 103.964319°W

**FIRST TAKE POINT NAD 27 NME**  
Y= 419,565.2  
X= 613,907.4  
LAT.= 32.152966°N  
LONG.= 103.965273°W

**CORNER COORDINATES TABLE NAD 27 NME**

A - Y= 419,159.1 N, X= 614,533.5 E
B - Y= 419,151.6 N, X= 613,208.3 E
C - Y= 421,814.9 N, X= 614,533.4 E
D - Y= 421,806.5 N, X= 613,204.3 E
E - Y= 424,458.2 N, X= 614,532.5 E
F - Y= 424,452.8 N, X= 613,199.9 E

**CORNER COORDINATES TABLE NAD 83 NME**

A - Y= 419,217.6 N, X= 655,717.8 E
B - Y= 419,210.1 N, X= 654,392.5 E
C - Y= 421,873.4 N, X= 655,717.6 E
D - Y= 421,865.0 N, X= 654,388.5 E
E - Y= 424,516.8 N, X= 655,716.6 E
F - Y= 424,511.4 N, X= 654,384.0 E

**LAST TAKE POINT NAD 27 NME**  
Y= 424,270.5  
X= 613,828.2  
LAT.= 32.165902°N  
LONG.= 103.965476°W

**LAST TAKE POINT NAD 83 NME**  
Y= 424,329.1  
X= 655,012.3  
LAT.= 32.166025°N  
LONG.= 103.965938°W

**K.O.P. NAD 27 NME**  
Y= 418,799.8  
X= 614,090.6  
LAT.= 32.150861°N  
LONG.= 103.964689°W

**K.O.P. NAD 83 NME**  
Y= 418,858.3  
X= 655,274.9  
LAT.= 32.150984°N  
LONG.= 103.965176°W

**BOTTOM HOLE LOCATION NAD 27 NME**  
Y= 424,405.2  
X= 613,835.1  
LAT.= 32.166272°N  
LONG.= 103.965453°W

**BOTTOM HOLE LOCATION NAD 83 NME**  
Y= 424,463.8  
X= 655,019.2  
LAT.= 32.166396°N  
LONG.= 103.965940°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.

*Cheryl Rowell* 1/20/20  
Signature Date

Cheryl Rowell  
Printed Name

crowell1227@yahoo.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.

1-20-2020  
Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP 23786  
Certificate Number

JC 2017101688

Intent  As Drilled

API #									
Operator Name:					Property Name:				Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

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



State of New Mexico  
County of Eddy

I, Jeremy Esqueda, certify that: I am employed by WellBenders Directional Services LLC; that I did on the day(s) of December 25, 2018 through January 1, 2019 conduct or supervise the taking of MWD Directional Survey from a depth of 0feet to a depth of 8,143 feet; that the data is true, correct, complete and within the limitations of the tool as set, forth by WellBenders Directional Services LLC; that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO Energy Inc. for the State of New Mexico; Well: Corral Canyon Fed 24H in Eddy County; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by WellBenders Directional Services LLC.

---

*Jeremy Esqueda*  
(Sign Name)

Jeremy Esqueda  
MWD Manager  
Digitally Signed By Jeremy Esqueda



# Survey Report

**Service Company:** Wellbenders

**Location:**

**Well:** Coral Canyon Federal #24H

**Rig:** Frontier 27

**API or UWI:**

**Job Number:** WTXDG 2018-1264

**State:** New Mexico

**Operating Company:** XTO Energy

**County:** Eddy

**Magnetic Declination:** 0

**Country:** USA

**Proposed Azimuth:** 0

**Comment**

**North Reference:** GRID

**Latitude:** 0

**Longitude:** 0

## Tie-In Data

MD	Inclination	Azimuth	TVD	NS	EW
0.00	0.00	0.00	0.00	0.00	0.00

## Survey Data

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
83.00	1.00	188.20	83.00	-0.72	-0.10	188.20	0.72	-0.72	1.20
179.00	0.70	255.20	178.99	-1.70	-0.79	204.97	1.87	-1.70	1.01
269.00	0.70	251.90	268.98	-2.01	-1.84	222.57	2.73	-2.01	0.04
354.00	0.80	300.70	353.97	-1.87	-2.85	236.77	3.40	-1.87	0.74
448.00	1.60	249.80	447.95	-1.98	-4.64	246.87	5.05	-1.98	1.34
535.00	1.30	251.90	534.93	-2.71	-6.72	248.04	7.25	-2.71	0.35
630.00	0.80	279.80	629.91	-2.93	-8.40	250.76	8.90	-2.93	0.74
723.00	1.70	285.00	722.89	-2.46	-10.37	256.64	10.66	-2.46	0.97
818.00	1.60	288.20	817.85	-1.68	-12.99	262.61	13.10	-1.68	0.14
835.00	1.50	287.90	834.84	-1.54	-13.43	263.45	13.52	-1.54	0.59
909.00	1.20	277.70	908.82	-1.14	-15.12	265.68	15.16	-1.14	0.52
1005.00	1.60	278.20	1004.79	-0.82	-17.44	267.32	17.46	-0.82	0.42
1100.00	1.60	266.80	1099.76	-0.70	-20.08	268.00	20.09	-0.70	0.33
1195.00	2.00	262.40	1194.71	-0.99	-23.05	267.53	23.07	-0.99	0.45
1290.00	2.10	256.20	1289.65	-1.63	-26.38	266.47	26.43	-1.63	0.26
1386.00	2.30	258.80	1385.58	-2.42	-29.98	265.38	30.08	-2.42	0.23
1482.00	2.30	268.80	1481.50	-2.84	-33.79	265.20	33.91	-2.84	0.42
1577.00	2.70	262.70	1576.41	-3.16	-37.92	265.24	38.05	-3.16	0.51

1672.00	3.50	269.70	1671.27	-3.46	-43.04	265.40	43.18	-3.46	0.93
1767.00	3.10	271.80	1766.11	-3.39	-48.51	266.00	48.62	-3.39	0.44
1863.00	2.30	270.90	1862.01	-3.28	-53.03	266.46	53.13	-3.28	0.83
1957.00	2.30	261.00	1955.93	-3.55	-56.77	266.42	56.89	-3.55	0.42
2052.00	1.80	246.40	2050.87	-4.44	-60.02	265.77	60.19	-4.44	0.76
2146.00	1.30	242.00	2144.84	-5.53	-62.32	264.92	62.56	-5.53	0.55
2242.00	1.50	242.80	2240.81	-6.62	-64.40	264.13	64.74	-6.62	0.21
2337.00	1.50	239.10	2335.77	-7.83	-66.57	263.29	67.03	-7.83	0.10
2433.00	1.90	270.50	2431.73	-8.46	-69.24	263.03	69.76	-8.46	1.04
2528.00	2.00	214.30	2526.69	-9.81	-71.75	262.21	72.42	-9.81	1.94
2623.00	2.40	215.10	2621.62	-12.81	-73.83	260.16	74.93	-12.81	0.42
2719.00	2.00	208.70	2717.55	-15.93	-75.79	258.13	77.44	-15.93	0.49
2816.00	1.10	249.20	2814.51	-17.74	-77.47	257.10	79.48	-17.74	1.41
2911.00	1.00	243.60	2909.50	-18.43	-79.07	256.88	81.19	-18.43	0.15
3006.00	0.90	216.60	3004.48	-19.40	-80.25	256.41	82.57	-19.40	0.48
3042.00	0.80	219.60	3040.48	-19.82	-80.58	256.18	82.98	-19.82	0.30
3139.00	0.30	190.50	3137.47	-20.59	-81.06	255.75	83.64	-20.59	0.57
3234.00	0.30	199.30	3232.47	-21.07	-81.19	255.45	83.88	-21.07	0.05
3330.00	0.30	185.50	3328.47	-21.56	-81.30	255.15	84.11	-21.56	0.08
3422.00	0.30	188.40	3420.47	-22.04	-81.35	254.84	84.29	-22.04	0.02
3517.00	0.40	175.10	3515.47	-22.61	-81.36	254.47	84.45	-22.61	0.13
3612.00	0.40	173.90	3610.47	-23.27	-81.30	254.02	84.56	-23.27	0.01
3708.00	0.30	150.50	3706.47	-23.83	-81.14	253.64	84.56	-23.83	0.18
3803.00	0.20	149.90	3801.46	-24.19	-80.93	253.36	84.47	-24.19	0.11
3898.00	0.30	96.60	3896.46	-24.36	-80.60	253.19	84.20	-24.36	0.25
3994.00	0.00	283.80	3992.46	-24.39	-80.35	253.12	83.97	-24.39	0.31
4089.00	0.00	110.30	4087.46	-24.39	-80.35	253.12	83.97	-24.39	0.00
4185.00	0.00	273.30	4183.46	-24.39	-80.35	253.12	83.97	-24.39	0.00
4279.00	0.00	33.10	4277.46	-24.39	-80.35	253.12	83.97	-24.39	0.00
4374.00	0.10	257.80	4372.46	-24.40	-80.43	253.12	84.05	-24.40	0.11
4470.00	0.20	274.40	4468.46	-24.41	-80.68	253.17	84.29	-24.41	0.11
4564.00	0.40	295.70	4562.46	-24.25	-81.14	253.36	84.69	-24.25	0.24
4658.00	0.40	319.50	4656.46	-23.86	-81.65	253.71	85.07	-23.86	0.18
4754.00	0.30	342.20	4752.46	-23.37	-81.95	254.08	85.21	-23.37	0.18
4849.00	0.40	324.20	4847.46	-22.86	-82.22	254.46	85.34	-22.86	0.16
4944.00	0.50	305.20	4942.45	-22.35	-82.75	254.88	85.71	-22.35	0.19
5037.00	0.60	304.90	5035.45	-21.84	-83.48	255.34	86.29	-21.84	0.11
5131.00	0.70	300.40	5129.44	-21.27	-84.38	255.85	87.02	-21.27	0.12
5227.00	0.90	288.90	5225.43	-20.73	-85.60	256.39	88.07	-20.73	0.27
5322.00	1.20	272.60	5320.42	-20.44	-87.30	256.82	89.66	-20.44	0.44

5418.00	1.10	261.40	5416.40	-20.53	-89.21	257.04	91.54	-20.53	0.26
5513.00	1.20	258.30	5511.38	-20.87	-91.09	257.09	93.45	-20.87	0.12
5608.00	1.10	252.70	5606.36	-21.35	-92.93	257.06	95.35	-21.35	0.16
5703.00	1.00	248.00	5701.34	-21.93	-94.57	256.95	97.08	-21.93	0.14
5799.00	1.00	242.40	5797.33	-22.63	-96.09	256.75	98.72	-22.63	0.10
5856.00	1.10	235.40	5854.32	-23.17	-96.98	256.56	99.71	-23.17	0.29
5953.00	1.00	231.10	5951.30	-24.23	-98.41	256.17	101.35	-24.23	0.13
6049.00	1.00	229.60	6047.29	-25.30	-99.70	255.76	102.86	-25.30	0.03
6142.00	0.80	233.20	6140.28	-26.21	-100.83	255.43	104.19	-26.21	0.22
6274.00	1.10	228.40	6272.26	-27.61	-102.52	254.93	106.17	-27.61	0.23
6369.00	1.40	214.50	6367.24	-29.17	-103.86	254.31	107.88	-29.17	0.45
6465.00	1.50	217.40	6463.21	-31.13	-105.29	253.53	109.79	-31.13	0.13
6561.00	1.60	217.00	6559.17	-33.20	-106.86	252.74	111.90	-33.20	0.10
6655.00	1.50	215.80	6653.14	-35.25	-108.37	251.98	113.95	-35.25	0.11
6751.00	1.60	213.10	6749.10	-37.39	-109.83	251.20	116.02	-37.39	0.13
6847.00	1.70	215.20	6845.06	-39.68	-111.39	250.39	118.24	-39.68	0.12
6943.00	1.40	210.80	6941.03	-41.85	-112.81	249.65	120.32	-41.85	0.34
7038.00	1.70	169.90	7035.99	-44.23	-113.15	248.65	121.49	-44.23	1.18
7133.00	1.90	155.00	7130.95	-47.05	-112.24	247.26	121.70	-47.05	0.53
7228.00	1.80	132.40	7225.90	-49.48	-110.47	245.87	121.05	-49.48	0.77
7321.00	1.10	149.90	7318.87	-51.24	-108.95	244.81	120.39	-51.24	0.88
7418.00	1.20	167.00	7415.85	-53.03	-108.25	243.90	120.54	-53.03	0.37
7512.00	1.90	162.20	7509.82	-55.48	-107.55	242.72	121.02	-55.48	0.76
7607.00	1.20	164.00	7604.78	-57.93	-106.80	241.52	121.50	-57.93	0.74
7703.00	1.20	194.70	7700.76	-59.87	-106.78	240.72	122.42	-59.87	0.66
7798.00	1.40	203.60	7795.74	-61.90	-107.49	240.07	124.04	-61.90	0.30
7892.00	1.60	211.60	7889.70	-64.07	-108.64	239.47	126.12	-64.07	0.31
7989.00	1.80	220.30	7986.66	-66.38	-110.34	238.97	128.77	-66.38	0.34
8083.00	1.90	201.40	8080.61	-68.96	-111.86	238.35	131.41	-68.96	0.65
8143.00	2.10	201.80	8140.58	-70.90	-112.63	237.81	133.09	-70.90	0.33

**Projected Survey**

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
8200.00	2.10	201.80	8197.54	-72.84	-113.41	237.29	134.79	-72.84	0.00



## **XTO ENERGY, INC.**

**Eddy County, NM  
Sec 10, T25S, R29E  
Corral Canyon Federal #24H  
Wellbore #1**

**Design: Wellbore #1**

## **QES Survey Certification Report**

**08 January, 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-190002	1/15/2019

Lease	Well Name	County & State
SEC 10, T25S, R29E	Corral Canyon Feederal #24H	Eddy County, NM

API No.	Survey Depth Range	Survey Type
30-015-45433	8143 feet to 14202 feet MD	MWD

Sidetrack Information	Directional Supervisor/Surveyor
Sidetrack 1	Bill Kitchens

### 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





<b>Company:</b>	XTO ENERGY, INC.	<b>Local Co-ordinate Reference:</b>	Well Corral Canyon Federal #24H
<b>Project:</b>	Eddy County, NM	<b>TVD Reference:</b>	RKB @ 3055.0usft (Frontier #27)
<b>Site:</b>	Sec 10, T25S, R29E	<b>MD Reference:</b>	RKB @ 3055.0usft (Frontier #27)
<b>Well:</b>	Corral Canyon Federal #24H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db

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

<b>Site</b>	Sec 10, T25S, R29E				
<b>Site Position:</b>		<b>Northing:</b>	418,642.60 usft	<b>Latitude:</b>	32° 9' 1.624 N
<b>From:</b>	Map	<b>Easting:</b>	611,643.50 usft	<b>Longitude:</b>	103° 58' 21.351 W
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16"	<b>Grid Convergence:</b>	0.19 °

<b>Well</b>	Corral Canyon Federal #24H					
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b>	418,872.10 usft	<b>Latitude:</b>	32° 9' 3.809 N
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b>	614,204.70 usft	<b>Longitude:</b>	103° 57' 51.551 W
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>	0.0 usft	<b>Ground Level:</b>	3,028.0 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2015	12/31/2018	6.96	59.91	47,698.02067617

<b>Design</b>	Wellbore #1				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>		<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
		0.0	0.0	0.0	356.56

<b>Survey Program</b>	<b>Date</b>	1/8/2019			
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
83.0	8,143.0	Wellbender Surveys (Wellbore #1)	MWD	OWSG MWD - Standard	
8,219.0	14,202.0	QES MWD Surveys (Wellbore #1)	MWD	OWSG MWD - Standard	

<b>Survey</b>									
<b>MD (usft)</b>	<b>Inc (°)</b>	<b>Azi (azimuth) (°)</b>	<b>TVD (usft)</b>	<b>N/S (usft)</b>	<b>E/W (usft)</b>	<b>Closure Distance (usft)</b>	<b>Closure Azimuth (°)</b>		
8,219.0	1.90	252.20	8,216.5	-72.6	-114.3	135.4	237.59		
8,266.0	7.30	322.30	8,263.4	-70.5	-116.9	136.5	238.93		
8,314.0	13.50	329.90	8,310.6	-63.2	-121.6	137.0	242.54		
8,361.0	17.10	333.40	8,355.9	-52.3	-127.4	137.7	247.70		
8,407.0	22.20	330.40	8,399.2	-38.6	-134.8	140.2	254.00		
8,454.0	27.40	328.40	8,441.9	-21.7	-144.8	146.4	261.48		
8,503.0	31.10	327.90	8,484.6	-1.4	-157.5	157.5	269.50		
8,550.0	33.90	328.40	8,524.2	20.1	-170.8	172.0	276.70		
8,598.0	37.00	340.90	8,563.4	45.2	-182.5	188.1	283.90		
8,645.0	39.50	339.30	8,600.3	72.5	-192.5	205.7	290.65		
8,694.0	43.40	337.10	8,637.0	102.6	-204.5	228.8	296.64		

<b>Company:</b>	XTO ENERGY, INC.	<b>Local Co-ordinate Reference:</b>	Well Corral Canyon Federal #24H
<b>Project:</b>	Eddy County, NM	<b>TVD Reference:</b>	RKB @ 3055.0usft (Frontier #27)
<b>Site:</b>	Sec 10, T25S, R29E	<b>MD Reference:</b>	RKB @ 3055.0usft (Frontier #27)
<b>Well:</b>	Corral Canyon Federal #24H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
8,741.0	48.10	339.30	8,669.8	133.9	-217.0	255.0	301.67	
8,787.0	51.30	341.10	8,699.6	166.9	-228.9	283.2	306.10	
8,834.0	55.60	343.20	8,727.5	202.8	-240.4	314.5	310.15	
8,882.0	59.60	345.00	8,753.3	241.8	-251.5	348.9	313.87	
8,929.0	61.60	346.90	8,776.3	281.5	-261.4	384.2	317.12	
8,975.0	64.50	348.30	8,797.2	321.5	-270.2	420.0	319.96	
9,022.0	69.40	350.60	8,815.6	364.0	-278.1	458.1	322.62	
9,070.0	73.20	353.40	8,831.0	409.1	-284.4	498.2	325.19	
9,117.0	74.90	355.50	8,843.9	454.0	-288.8	538.1	327.54	
9,165.0	77.30	357.30	8,855.4	500.5	-291.7	579.3	329.76	
9,212.0	79.10	358.00	8,865.0	546.5	-293.6	620.4	331.75	
9,260.0	80.50	359.00	8,873.5	593.7	-294.9	662.9	333.59	
9,307.0	84.00	359.00	8,879.9	640.3	-295.7	705.2	335.21	
9,356.0	88.60	357.50	8,883.0	689.1	-297.2	750.5	336.67	
9,449.0	90.10	357.80	8,884.1	782.1	-301.0	838.0	338.95	
9,545.0	89.80	358.90	8,884.2	878.0	-303.7	929.1	340.92	
9,639.0	88.60	358.30	8,885.5	972.0	-306.0	1,019.0	342.52	
9,735.0	89.70	358.00	8,886.9	1,067.9	-309.1	1,111.8	343.86	
9,831.0	90.70	358.20	8,886.6	1,163.9	-312.3	1,205.0	344.98	
9,925.0	89.80	1.00	8,886.2	1,257.8	-313.0	1,296.2	346.03	
10,020.0	88.90	1.80	8,887.2	1,352.8	-310.7	1,388.0	347.07	
10,116.0	90.40	1.80	8,887.8	1,448.8	-307.6	1,481.1	348.01	
10,210.0	92.00	1.50	8,885.9	1,542.7	-304.9	1,572.5	348.82	
10,304.0	91.80	359.90	8,882.7	1,636.6	-303.8	1,664.6	349.48	
10,399.0	90.70	358.50	8,880.7	1,731.6	-305.1	1,758.3	350.01	
10,495.0	88.60	359.00	8,881.3	1,827.6	-307.2	1,853.2	350.46	
10,590.0	90.40	359.70	8,882.1	1,922.5	-308.3	1,947.1	350.89	
10,685.0	88.60	358.50	8,882.9	2,017.5	-309.8	2,041.2	351.27	
10,779.0	90.70	358.20	8,883.5	2,111.5	-312.5	2,134.5	351.58	
10,875.0	88.90	358.20	8,883.8	2,207.4	-315.5	2,229.9	351.87	
10,970.0	89.70	357.80	8,885.0	2,302.4	-318.8	2,324.3	352.12	
11,065.0	91.30	357.80	8,884.2	2,397.3	-322.5	2,418.9	352.34	
11,160.0	89.80	357.60	8,883.2	2,492.2	-326.3	2,513.5	352.54	
11,255.0	88.10	358.30	8,885.0	2,587.1	-329.7	2,608.0	352.74	
11,351.0	89.30	358.30	8,887.2	2,683.1	-332.5	2,703.6	352.94	
11,446.0	90.80	358.30	8,887.1	2,778.0	-335.3	2,798.2	353.12	
11,540.0	89.10	358.70	8,887.2	2,872.0	-337.8	2,891.8	353.29	
11,635.0	90.50	358.50	8,887.5	2,966.9	-340.1	2,986.4	353.46	
11,730.0	91.60	358.30	8,885.7	3,061.9	-342.8	3,081.0	353.61	
11,824.0	90.70	358.20	8,883.9	3,155.8	-345.6	3,174.7	353.75	
11,919.0	90.10	0.60	8,883.2	3,250.8	-346.6	3,269.2	353.91	
12,015.0	89.60	1.80	8,883.4	3,346.8	-344.6	3,364.5	354.12	
12,109.0	89.40	1.30	8,884.3	3,440.7	-342.1	3,457.7	354.32	
12,205.0	88.70	1.00	8,885.9	3,536.7	-340.2	3,553.0	354.51	

<b>Company:</b>	XTO ENERGY, INC.	<b>Local Co-ordinate Reference:</b>	Well Corral Canyon Federal #24H
<b>Project:</b>	Eddy County, NM	<b>TVD Reference:</b>	RKB @ 3055.0usft (Frontier #27)
<b>Site:</b>	Sec 10, T25S, R29E	<b>MD Reference:</b>	RKB @ 3055.0usft (Frontier #27)
<b>Well:</b>	Corral Canyon Federal #24H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 Single User Db

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	
12,300.0	89.70	0.30	8,887.2	3,631.7	-339.1	3,647.5	354.67	
12,395.0	91.30	359.90	8,886.4	3,726.7	-338.9	3,742.1	354.80	
12,491.0	89.40	359.90	8,885.8	3,822.7	-339.1	3,837.7	354.93	
12,587.0	90.40	0.10	8,885.9	3,918.7	-339.1	3,933.3	355.05	
12,682.0	88.50	358.70	8,886.9	4,013.7	-340.1	4,028.0	355.16	
12,777.0	89.80	358.70	8,888.3	4,108.6	-342.2	4,122.9	355.24	
12,872.0	88.80	359.00	8,889.4	4,203.6	-344.1	4,217.7	355.32	
12,968.0	89.90	359.00	8,890.5	4,299.6	-345.8	4,313.5	355.40	
13,064.0	88.20	358.90	8,892.1	4,395.5	-347.6	4,409.3	355.48	
13,159.0	89.50	358.30	8,894.0	4,490.5	-349.9	4,504.1	355.54	
13,255.0	89.30	358.50	8,895.0	4,586.5	-352.6	4,600.0	355.60	
13,351.0	90.50	358.90	8,895.2	4,682.4	-354.7	4,695.8	355.67	
13,447.0	91.60	359.00	8,893.4	4,778.4	-356.5	4,791.7	355.73	
13,542.0	90.60	359.40	8,891.6	4,873.4	-357.8	4,886.5	355.80	
13,638.0	91.30	358.50	8,890.0	4,969.3	-359.6	4,982.3	355.86	
13,733.0	89.40	358.20	8,889.4	5,064.3	-362.3	5,077.2	355.91	
13,828.0	90.30	358.20	8,889.7	5,159.2	-365.3	5,172.2	355.95	
13,922.0	90.30	359.40	8,889.2	5,253.2	-367.3	5,266.0	356.00	
14,017.0	91.00	359.60	8,888.1	5,348.2	-368.1	5,360.9	356.06	
14,112.0	92.10	359.60	8,885.5	5,443.2	-368.8	5,455.6	356.12	
14,156.0	92.20	359.40	8,883.9	5,487.1	-369.2	5,499.5	356.15	
14,202.0	92.20	359.40	8,882.1	5,533.1	-369.6	5,545.4	356.18	
TD @ 14202.0' MD / 8882.1' TVD								

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
8,143.0	8,140.6	-70.9	-112.6	MWD Tie In @ 8143.0' MD / 8140.6' TVD	
14,202.0	8,882.1	5,533.1	-369.6	TD @ 14202.0' MD / 8882.1' TVD	