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JAN 27 2020

Form C-102

Revised August 1, 2011

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

EMNRD-OCDA ARTESIA

Submit one copy to appropriate

District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT AS-DRILLED PLAT

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

¹⁰ Surface Location

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

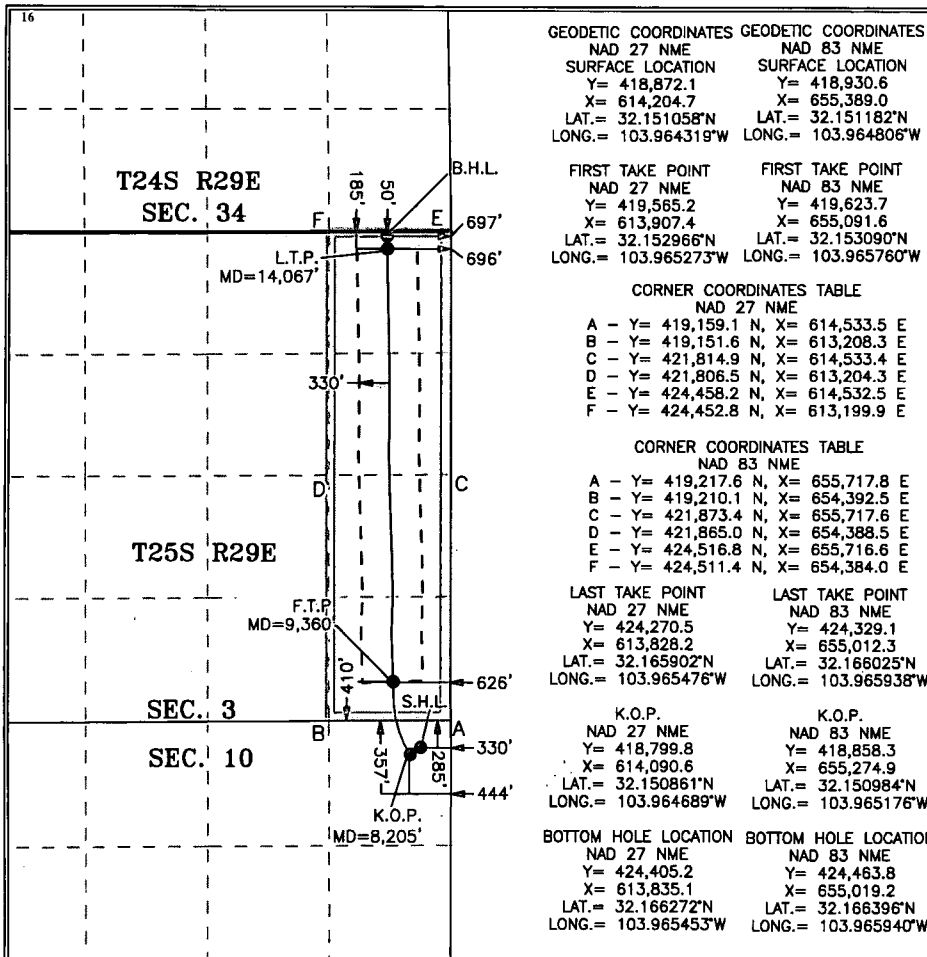
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	3	25 S	29 E		50	NORTH	697	EAST	EDDY

¹² Dedicated Acres 159.65	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

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 # 30-015-42925			
Operator Name: XTO ENERGY INC.		Property Name: CORRAL CANYON FEDERAL COM	Well Number 6H

Kick Off Point (KOP)

UL C	Section 9	Township 25S	Range 29E	Lot	Feet 290	From N/S N	Feet 1926	From E/W W	County Eddy
Latitude 32.151113					Longitude 103.991816			NAD 83	

First Take Point (FTP)

UL C	Section 9	Township 25S	Range 29E	Lot	Feet 987	From N/S N	Feet 1822	From E/W W	County Eddy
Latitude 32.149197					Longitude 103.992156			NAD 83	

Last Take Point (LTP)

UL N	Section 16	Township 25S	Range 29E	Lot	Feet 142	From N/S S	Feet 1843	From E/W W	County Edey
Latitude 32.123116					Longitude 103.992071			NAD 83	

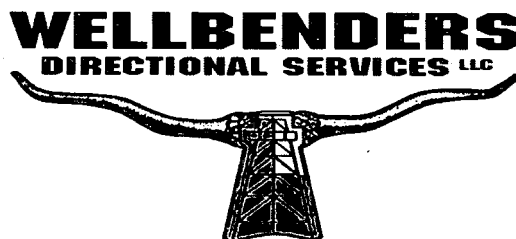
Is this well the defining well for the Horizontal Spacing Unit? ☐ Yes

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



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EMNRD-OCD ARTESIA

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 0 feet 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



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JAN 27 2020

EMNRD-OCD ARTESIA

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

Christopher
er Hughes

Digitally signed by Christopher
Hughes
DN: cn=Christopher Hughes,
o=QES, ou=compliance,
email=chrish@qeslp.com, c=US
Date: 2019.02.27 09:03:22
-06'00'



QES Survey Certification Report



Company:	XTO ENERGY, INC.	Local Co-ordinate Reference:	Well Corral Canyon Federal #24H
Project:	Eddy County, NM	TVD Reference:	RKB @ 3055.0usft (Frontier #27)
Site:	Sec 10, T25S, R29E	MD Reference:	RKB @ 3055.0usft (Frontier #27)
Well:	Corral Canyon Federal #24H	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 10, T25S, R29E		
Site Position:		Northing:	418,642.60 usft
From:	Map	Easting:	611,643.50 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"
		Latitude:	32° 9' 1.624 N
		Longitude:	103° 58' 21.351 W
		Grid Convergence:	0.19 °

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

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

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

Survey Program	Date	1/8/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
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

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
	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



QES Survey Certification Report



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



QES Survey Certification Report



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