OCD – REC'D 9/16/2020

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	[2] Pool Code	[3] Pool Name
30-015-43717	96217	WILLOW LAKE; BONE SPRING, SE

[4] Property Code	[5] Property Name	[6] Well Number
314121	CORRAL CANYON FEDERAL COM	18H

[7] OGRID No.	[8] Operator Name	[9] Elevation
005380	XTO ENERGY, INC.	2,948'

[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
C	9	25 S	29 E		175	NORTH	2,030	WEST	EDDY

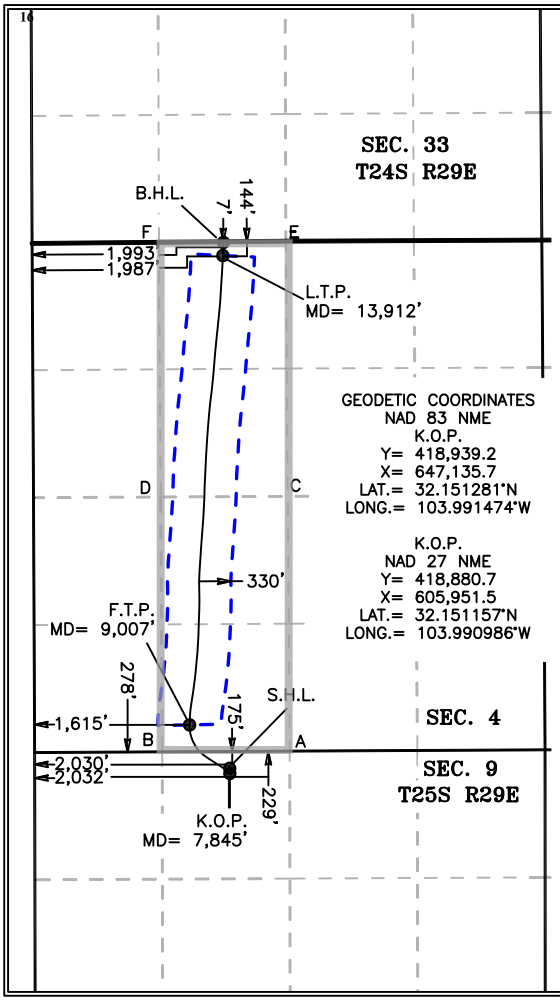
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	4	25 S	29 E		7	NORTH	1,993	WEST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
159.85			

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= 418,935.0
X= 605,949.3
LAT.= 32.151306°N
LONG.= 103.990993°W

GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION
Y= 418,993.5
X= 647,133.5
LAT.= 32.151430°N
LONG.= 103.991481°W

FIRST TAKE POINT NAD 27 NME
Y= 419,386.1
X= 605,532.5
LAT.= 32.152550°N
LONG.= 103.992335°W

FIRST TAKE POINT NAD 83 NME
Y= 419,444.6
X= 646,716.6
LAT.= 32.152674°N
LONG.= 103.992823°W

GEODETIC COORDINATES NAD 83 NME K.O.P.
Y= 418,939.2
X= 647,135.7
LAT.= 32.151281°N
LONG.= 103.991474°W

K.O.P. NAD 27 NME
Y= 418,880.7
X= 605,951.5
LAT.= 32.151157°N
LONG.= 103.990986°W

CORNER COORDINATES TABLE NAD 27 NME
A – Y= 419,113.3 N, X= 606,574.9 E
B – Y= 419,106.1 N, X= 605,247.1 E
C – Y= 421,766.9 N, X= 606,554.9 E
D – Y= 421,759.8 N, X= 605,230.4 E
E – Y= 424,424.6 N, X= 606,534.8 E
F – Y= 424,412.4 N, X= 605,213.3 E

CORNER COORDINATES TABLE NAD 83 NME
A – Y= 419,171.8 N, X= 647,759.1 E
B – Y= 419,164.6 N, X= 646,431.2 E
C – Y= 421,825.5 N, X= 647,739.0 E
D – Y= 421,818.4 N, X= 646,414.5 E
E – Y= 424,483.2 N, X= 647,718.8 E
F – Y= 424,471.0 N, X= 646,397.3 E

LAST TAKE POINT NAD 27 NME
Y= 424,274.5
X= 605,879.1
LAT.= 32.165985°N
LONG.= 103.991165°W

LAST TAKE POINT NAD 83 NME
Y= 424,333.1
X= 647,063.1
LAT.= 32.166108°N
LONG.= 103.991653°W

BOTTOM HOLE LOCATION NAD 27 NME
Y= 424,411.3
X= 605,884.9
LAT.= 32.166361°N
LONG.= 103.991145°W

BOTTOM HOLE LOCATION NAD 83 NME
Y= 424,469.9
X= 647,068.9
LAT.= 32.166485°N
LONG.= 103.991633°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 12/19/19
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.

12-19-2019
Date of Survey

Signatue and Seal of Professional Surveyor:

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

MARK DILLON HARP 23786
Certificate Number JC 2017101682

P:\PROJECTS\2017\2017101682-XTO-CORRAL_CANYON_FED_18H-EDDY\DWG\2017101682-XTO-CORRAL_CANYON_18H_AS-DRILLED.dwg

Intent [ ] As Drilled [X]

API #
30-015-43717

Operator Name:	Property Name:	Well Number
XTO ENERGY INC.	CORRAL CANYON FEDERAL	18H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	9	25S	29E		229	FNL	2032	FWL	EDDY

Latitude	Longitude	NAD
32.151281	103.991474	83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
N	4	25S	29E		1984	FSL	388	FWL	EDDY

Latitude	Longitude	NAD
32.152674	103.992823	83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
3	4	25S	29E		144	FNL	1987	FWL	EDDY

Latitude	Longitude	NAD
32.166108	103.991653	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

WELLBENDERS
DIRECTIONAL SERVICES LLC

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 November 29, 2018 through December 7, 2019 conduct or supervise the taking of MWD Directional Survey from a depth of 0 feet to a depth of 7,785 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 18H 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

WellBenders Directional Services

Survey Report

ADD NEW SURVEY

Customer:	XTO ENERGY	Rig Name & #:	FRONTIER 27	Targ True Vert. Depth:	0
Lease / Well:	CORRAL CANYON FED 18H	Directional Co:	WELLBENDERS	Magnetic Declination:	6.83
Field / Block:	0	Targ Meas Depth:	0	Target Vertical Section:	3.36

Enter your Tie-In information on the coversheet!

v1.3

DATE	NO.	DEPTH	INC	AZM	CL	TVD	VS	+N / -S	+E / -W	DLS	B / D	WALK	SOURCE
	Tie	0	0.00	0.00	0	0	0.00	0.00 N	0.00 E	0.00	0.00	0.00	Tie IN
	1	174	0.20	45.90	174	174.00	0.22	0.21 N	0.22 E	0.11	0.11	26.38	WellBenders
	2	267	0.80	45.90	93	267.00	0.82	0.78 N	0.80 E	0.65	0.65	0.00	WellBenders
	3	353	0.80	35.20	86	352.99	1.77	1.68 N	1.58 E	0.17	0.00	-12.44	WellBenders
	4	418	0.90	19.20	65	417.98	2.65	2.54 N	2.01 E	0.39	0.15	-24.62	WellBenders
	5	474	1.00	14.00	56	473.97	3.55	3.43 N	2.27 E	0.24	0.18	-9.29	WellBenders
	6	534	1.20	27.40	60	533.96	4.64	4.49 N	2.69 E	0.54	0.33	22.33	WellBenders
	7	633	1.20	358.60	99	632.94	6.62	6.45 N	3.14 E	0.60	0.00	29.09	WellBenders
	8	729	1.30	357.60	96	728.92	8.71	8.54 N	3.07 E	0.11	0.10	-1.04	WellBenders
	9	824	1.50	347.90	95	823.89	10.98	10.83 N	2.76 E	0.33	0.21	-10.21	WellBenders
	10	920	1.70	343.80	96	919.85	13.53	13.43 N	2.10 E	0.24	0.21	-4.27	WellBenders
	11	1016	1.60	342.40	96	1015.81	16.12	16.08 N	1.30 E	0.11	-0.10	-1.46	WellBenders
	12	1112	1.80	338.50	96	1111.77	18.74	18.76 N	0.34 E	0.24	0.21	-4.06	WellBenders
	13	1207	0.90	358.70	95	1206.74	20.84	20.89 N	0.22 W	1.06	-0.95	21.26	WellBenders
	14	1302	0.20	0.70	95	1301.74	21.75	21.80 N	0.24 W	0.74	-0.74	-2.11	WellBenders
	15	1397	0.10	277.40	95	1396.74	21.92	21.98 N	0.32 W	0.22	-0.11	87.68	WellBenders
	16	1493	0.20	299.90	96	1492.74	22.00	22.07 N	0.55 W	0.12	0.10	23.44	WellBenders
	17	1589	0.40	305.00	96	1588.74	22.25	22.35 N	0.97 W	0.21	0.21	5.31	WellBenders
	18	1683	0.8	305.4	94	1682.73	22.77	22.92 N	1.77 W	0.43	0.43	0.43	WellBenders
	19	1779	0.9	305.0	96	1778.72	23.52	23.74 N	2.93 W	0.10	0.10	-0.42	WellBenders
	20	1873	1.1	297.0	94	1872.71	24.27	24.57 N	4.34 W	0.26	0.21	-8.51	WellBenders
	21	1968	0.5	245.0	95	1967.70	24.44	24.81 N	5.53 W	0.93	-0.63	-54.74	WellBenders
	22	2062	0.5	204.0	94	2061.69	23.86	24.26 N	6.07 W	0.37	0.00	-43.62	WellBenders
	23	2157	0.9	119.5	95	2156.69	23.15	23.52 N	5.59 W	1.04	0.42	-88.95	WellBenders
	24	2253	1.9	118.8	96	2252.66	22.13	22.38 N	3.54 W	1.04	1.04	-0.73	WellBenders
	25	2347	2.0	142.4	94	2346.61	20.22	20.33 N	1.17 W	0.85	0.11	25.11	WellBenders
	26	2443	2.6	134.7	96	2442.53	17.52	17.47 N	1.40 E	0.70	0.63	-8.02	WellBenders
	27	2538	3.4	127.4	95	2537.40	14.52	14.24 N	5.17 E	0.93	0.84	-7.68	WellBenders
	28	2633	3.4	141.8	95	2632.23	10.84	10.32 N	9.15 E	0.90	0.00	15.16	WellBenders
	29	2729	3.9	141.3	96	2728.04	6.28	5.53 N	12.95 E	0.52	0.52	-0.52	WellBenders
	30	2818	4.0	139.8	89	2816.83	1.78	0.80 N	16.85 E	0.16	0.11	-1.69	WellBenders
	31	2949	3.5	138.5	131	2947.55	-4.36	5.69 S	22.44 E	0.39	-0.38	-0.99	WellBenders
	32	3045	2.4	148.6	96	3043.42	-8.09	9.60 S	25.43 E	1.26	-1.15	10.52	WellBenders
	33	3141	2.4	144.5	96	3139.33	-11.31	12.95 S	27.65 E	0.18	0.00	-4.27	WellBenders
	34	3236	1.5	162.1	95	3234.28	-14.01	15.75 S	29.19 E	1.13	-0.95	18.53	WellBenders
	35	3330	1.4	174.4	94	3328.25	-16.29	18.07 S	29.68 E	0.35	-0.11	13.09	WellBenders
	36	3426	1.4	178.3	96	3424.22	-18.62	20.40 S	29.83 E	0.10	0.00	4.06	WellBenders
	37	3520	1.0	179.4	94	3518.20	-20.58	22.37 S	29.87 E	0.43	-0.43	1.17	WellBenders
	38	3615	0.9	179.4	95	3613.19	-22.15	23.95 S	29.88 E	0.11	-0.11	0.00	WellBenders
	39	3710	1.0	182.3	95	3708.17	-23.73	25.52 S	29.86 E	0.12	0.11	3.05	WellBenders
	40	3805	0.8	175.4	95	3803.16	-25.21	27.01 S	29.88 E	0.24	-0.21	-7.26	WellBenders
	41	3901	0.8	188.0	96	3899.15	-26.55	28.34 S	29.84 E	0.18	0.00	13.13	WellBenders
	42	3997	0.7	170.4	96	3995.14	-27.78	29.58 S	29.84 E	0.26	-0.10	-18.33	WellBenders
	43	4090	0.6	160.0	93	4088.14	-28.79	30.60 S	30.11 E	0.17	-0.11	-11.18	WellBenders
	44	4185	0.9	193.2	95	4183.13	-29.98	31.80 S	30.10 E	0.54	0.32	34.95	WellBenders
	45	4280	0.8	188.3	95	4278.12	-31.37	33.18 S	29.84 E	0.13	-0.11	-5.16	WellBenders
	46	4375	0.6	106.0	95	4373.11	-32.14	33.97 S	30.22 E	0.98	-0.21	-86.63	WellBenders
	47	4468	0.5	171.0	93	4466.11	-32.65	34.51 S	30.75 E	0.64	-0.11	69.89	WellBenders
	48	4563	0.6	184.8	95	4561.11	-33.55	35.41 S	30.78 E	0.17	0.11	14.53	WellBenders
	49	4658	0.5	204.8	95	4656.10	-34.43	36.28 S	30.56 E	0.23	-0.11	21.05	WellBenders
	50	4753	0.5	197.8	95	4751.10	-35.22	37.06 S	30.26 E	0.06	0.00	-7.37	WellBenders
	51	4848	0.5	198.3	95	4846.09	-36.02	37.84 S	30.00 E	0.00	0.00	0.53	WellBenders
	52	4943	0.7	212.0	95	4941.09	-36.93	38.73 S	29.57 E	0.26	0.21	14.42	WellBenders
	53	5038	0.8	208.8	95	5036.08	-38.04	39.80 S	28.94 E	0.11	0.11	-3.37	WellBenders
	54	5133	0.8	214.6	95	5131.07	-39.20	40.93 S	28.24 E	0.09	0.00	6.11	WellBenders
	55	5229	1.1	223.2	96	5227.06	-40.48	42.15 S	27.23 E	0.35	0.31	8.96	WellBenders
	56	5324	1.3	228.7	95	5322.04	-41.94	43.53 S	25.80 E	0.24	0.21	5.79	WellBenders
	57	5419	1.5	228.0	95	5417.01	-43.58	45.07 S	24.06 E	0.21	0.21	-0.74	WellBenders
	58	5515	1.3	224.0	96	5512.98	-45.30	46.70 S	22.37 E	0.23	-0.21	-4.17	WellBenders
	59	5610	1.1	225.9	95	5607.96	-46.79	48.11 S	20.97 E	0.21	-0.21	2.00	WellBenders
	60	5706	1.0	215.2	96	5703.94	-48.18	49.43 S	19.83 E	0.23	-0.10	-11.15	WellBenders
	61	5801	1.2	213.4	95	5798.93	-49.75	50.94 S	18.80 E	0.21	0.21	-1.89	WellBenders
	62	5895	1.3	221.4	94	5892.90	-51.44	52.56 S	17.55 E	0.21	0.11	8.51	WellBenders
	63	5991	1.4	209.2	96	5988.88	-53.36	54.40 S	16.26 E	0.32	0.10	-12.71	WellBenders
	64	6087	1.3	203.8	96	6084.85	-55.43	56.42 S	15.25 E	0.17	-0.10	-5.62	WellBenders

WellBenders Directional Services, LLC - 1-866-835-8832 - info@wellbenders.com

DATE	NO.	DEPTH	INC	AZM	CL	TVD	VS	+N / -S	+E / -W	DLS	B / D	WALK	SOURCE
	65	6181	1.1	204.1	94	6178.83	-57.27	58.22 S	14.45 E	0.21	-0.21	0.32	WellBenders
	66	6276	1.1	193.5	95	6273.81	-59.02	59.94 S	13.86 E	0.21	0.00	-11.16	WellBenders
	67	6370	1.1	192.9	94	6367.80	-60.80	61.70 S	13.45 E	0.01	0.00	-0.64	WellBenders
	68	6466	1.1	187.0	96	6463.78	-62.63	63.51 S	13.13 E	0.12	0.00	-6.15	WellBenders
	69	6561	0.6	181.2	95	6558.77	-64.04	64.91 S	13.01 E	0.53	-0.53	-6.11	WellBenders
	70	6656	0.5	192.1	95	6653.76	-64.94	65.82 S	12.92 E	0.15	-0.11	11.47	WellBenders
	71	6751	0.5	223.0	95	6748.76	-65.67	66.52 S	12.55 E	0.28	0.00	32.53	WellBenders
	72	6846	1.3	266.5	95	6843.75	-66.12	66.89 S	11.19 E	1.05	0.84	45.79	WellBenders
	73	6941	1.9	273.4	95	6938.71	-66.25	66.86 S	8.54 E	0.66	0.63	7.26	WellBenders
	74	7037	2.2	289.0	96	7034.65	-65.75	66.17 S	5.21 E	0.66	0.31	16.25	WellBenders
	75	7133	2.1	326.5	96	7130.59	-63.85	64.10 S	2.50 E	1.44	-0.10	39.06	WellBenders
	76	7229	1.8	334.4	96	7226.53	-61.12	61.28 S	0.87 E	0.42	-0.31	8.23	WellBenders
	77	7324	0.9	335.2	95	7321.50	-59.16	59.25 S	0.08 W	0.95	-0.95	0.84	WellBenders
	78	7420	0.3	313.0	96	7417.50	-58.33	58.40 S	0.58 W	0.66	-0.63	-23.13	WellBenders
	79	7515	0.5	46.6	95	7512.50	-57.87	57.94 S	0.46 W	0.63	0.21	-98.53	WellBenders
	80	7610	1.3	54.3	95	7607.48	-56.89	57.03 S	0.71 E	0.85	0.84	8.11	WellBenders
	81	7703	0.7	59.3	93	7700.47	-55.91	56.12 S	2.06 E	0.65	-0.65	5.38	WellBenders
	82	7785	0.9	18.7	82	7782.46	-55.01	55.26 S	2.69 E	0.71	0.24	-49.51	WellBenders
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DATE	NO.	DEPTH	INC	AZM	CL	TVD	VS	+N / -S	+E / -W	DLS	B / D	WALK	SOURCE
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DATE	NO.	DEPTH	INC	AZM	CL	TVD	VS	+N / -S	+E / -W	DLS	B / D	WALK	SOURCE
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XTO ENERGY, INC.

Eddy County, NM
Sec 9, T25S, R29E
Corral Canyon Federal #18H
Wellbore #1

Design: Wellbore #1

QES Survey Certification Report

16 December, 2018

DIRECTIONAL DRILLING

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-181446	12/17/2018

Lease	Well Name	County & State
SEC 9, T-25S, R29E	Corral Canyon Federal #18H	Eddy County, NM

API No.	Survey Depth Range	Survey Type
30-015-43717	7785 feet to 14049 feet MD	MWD

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

Company:	XTO ENERGY, INC.	**Local Co-ordinate Reference:**	Well Corral Canyon Federal #18H
Project:	Eddy County, NM	**TVD Reference:**	RKB @ 2975.0usft (Frontier #27)
Site:	Sec 9, T25S, R29E	**MD Reference:**	RKB @ 2975.0usft (Frontier #27)
Well:	Corral Canyon Federal #18H	**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 9, T25S, R29E

Site Position:		**Northing:**	418,934.60 usft	**Latitude:**	32° 9' 4.699 N
From:	Map	**Easting:**	605,899.30 usft	**Longitude:**	103° 59' 28.157 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16"	**Grid Convergence:**	0.18 °

Well Corral Canyon Federal #18H

Well Position	**+N/-S**	0.0 usft	**Northing:**	418,934.98 usft	**Latitude:**	32° 9' 4.702 N
	+E/-W	0.0 usft	**Easting:**	605,949.32 usft	**Longitude:**	103° 59' 27.575 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	2,948.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/7/2018	6.98	59.91	47,702.62247874

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	359.18

Survey Program **Date** 12/16/2018

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
174.0	7,785.0	WellBenders MWD (Wellbore #1)	MWD	OWSG MWD - Standard
7,835.0	14,049.0	QES MWD Survey (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 (°)
7,785.0	0.90	18.70	7,782.5	-55.3	2.7	55.3	177.21
MWD Tie In @ 7785.0' MD / 7782.5' TVD							
7,835.0	1.10	326.90	7,832.5	-54.5	2.6	54.5	177.31
7,882.0	3.40	303.20	7,879.4	-53.3	1.1	53.4	178.77
7,930.0	5.90	301.60	7,927.3	-51.3	-2.1	51.3	182.40
7,977.0	8.40	304.90	7,973.9	-48.0	-7.0	48.6	188.32
8,025.0	10.30	310.00	8,021.2	-43.3	-13.2	45.2	196.94
8,072.0	10.60	318.50	8,067.5	-37.3	-19.3	42.0	207.30
8,120.0	11.00	317.20	8,114.6	-30.7	-25.3	39.8	219.52
8,168.0	13.10	310.60	8,161.6	-23.8	-32.5	40.3	233.86
8,216.0	20.00	304.40	8,207.5	-15.6	-43.5	46.2	250.28

Company:	XTO ENERGY, INC.	**Local Co-ordinate Reference:**	Well Corral Canyon Federal #18H
Project:	Eddy County, NM	**TVD Reference:**	RKB @ 2975.0usft (Frontier #27)
Site:	Sec 9, T25S, R29E	**MD Reference:**	RKB @ 2975.0usft (Frontier #27)
Well:	Corral Canyon Federal #18H	**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 (°)
8,263.0	27.70	303.00	8,250.5	-5.1	-59.3	59.5	265.11
8,312.0	34.50	303.90	8,292.4	8.9	-80.4	80.9	276.31
8,359.0	39.60	306.20	8,329.9	25.2	-103.5	106.5	283.66
8,408.0	44.50	304.90	8,366.3	44.2	-130.2	137.5	288.76
8,455.0	49.90	303.20	8,398.2	63.5	-158.8	171.0	291.80
8,502.0	53.90	302.30	8,427.2	83.5	-189.9	207.5	293.74
8,549.0	57.70	302.30	8,453.6	104.3	-222.8	246.0	295.08
8,597.0	60.90	304.00	8,478.1	126.8	-257.3	286.9	296.24
8,644.0	59.00	310.70	8,501.7	151.5	-289.6	326.9	297.61
8,692.0	59.10	318.50	8,526.4	180.4	-318.9	366.4	299.49
8,739.0	63.00	325.30	8,549.2	212.7	-344.2	404.6	301.72
8,787.0	66.00	330.80	8,569.9	249.5	-367.1	443.8	304.20
8,834.0	67.40	338.00	8,588.5	288.4	-385.7	481.6	306.78
8,882.0	70.50	343.40	8,605.7	330.6	-400.5	519.3	309.54
8,929.0	76.10	350.10	8,619.2	374.4	-410.8	555.8	312.35
8,977.0	82.70	356.40	8,628.1	421.2	-416.3	592.2	315.34
9,024.0	89.00	1.20	8,631.5	468.0	-417.3	627.0	318.28
9,072.0	90.10	3.60	8,631.8	516.0	-415.3	662.3	321.17
9,167.0	90.00	5.90	8,631.8	610.7	-407.4	734.1	326.29
9,261.0	89.70	9.30	8,632.0	703.8	-395.0	807.1	330.70
9,357.0	91.20	8.20	8,631.3	798.7	-380.4	884.6	334.54
9,451.0	93.30	7.70	8,627.6	891.7	-367.4	964.4	337.61
9,546.0	92.40	5.90	8,622.8	985.9	-356.1	1,048.3	340.14
9,641.0	90.40	5.40	8,620.5	1,080.4	-346.8	1,134.7	342.21
9,735.0	91.50	4.50	8,619.0	1,174.1	-338.7	1,221.9	343.91
9,829.0	90.90	3.50	8,617.0	1,267.8	-332.1	1,310.6	345.32
9,933.0	88.10	2.20	8,617.9	1,371.7	-326.9	1,410.1	346.59
10,027.0	88.70	2.10	8,620.5	1,465.6	-323.4	1,500.8	347.56
10,122.0	90.90	2.60	8,620.9	1,560.5	-319.5	1,592.9	348.43
10,217.0	91.10	1.70	8,619.2	1,655.4	-316.0	1,685.3	349.19
10,312.0	88.00	359.20	8,619.9	1,750.4	-315.2	1,778.5	349.79
10,408.0	88.90	358.90	8,622.5	1,846.3	-316.8	1,873.3	350.26
10,502.0	89.80	0.50	8,623.6	1,940.3	-317.3	1,966.1	350.71
10,597.0	91.10	2.40	8,622.9	2,035.3	-314.9	2,059.5	351.21
10,689.0	90.00	4.20	8,622.0	2,127.1	-309.6	2,149.5	351.72
10,784.0	91.80	4.90	8,620.5	2,221.8	-302.1	2,242.2	352.26
10,878.0	90.00	3.10	8,619.0	2,315.6	-295.5	2,334.3	352.73
10,973.0	89.70	4.30	8,619.3	2,410.4	-289.4	2,427.7	353.15
11,066.0	91.20	4.70	8,618.5	2,503.1	-282.1	2,518.9	353.57
11,162.0	90.40	3.80	8,617.2	2,598.8	-275.0	2,613.3	353.96
11,257.0	90.10	3.10	8,616.8	2,693.6	-269.2	2,707.0	354.29
11,352.0	90.70	2.90	8,616.1	2,788.5	-264.3	2,801.0	354.59
11,447.0	89.90	1.90	8,615.6	2,883.4	-260.3	2,895.1	354.84
11,543.0	88.80	0.50	8,616.7	2,979.4	-258.3	2,990.5	355.05

Company:	XTO ENERGY, INC.	**Local Co-ordinate Reference:**	Well Corral Canyon Federal #18H
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Site:	Sec 9, T25S, R29E	**MD Reference:**	RKB @ 2975.0usft (Frontier #27)
Well:	Corral Canyon Federal #18H	**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 (°)
11,636.0	89.10	1.70	8,618.4	3,072.3	-256.5	3,083.0	355.23
11,731.0	90.10	4.90	8,619.1	3,167.2	-251.0	3,177.1	355.47
11,827.0	90.50	4.00	8,618.6	3,262.9	-243.6	3,271.9	355.73
11,921.0	90.30	2.20	8,617.9	3,356.7	-238.5	3,365.2	355.94
12,014.0	89.80	4.00	8,617.8	3,449.6	-233.5	3,457.5	356.13
12,111.0	88.30	4.70	8,619.4	3,546.3	-226.1	3,553.5	356.35
12,206.0	88.20	4.90	8,622.3	3,640.9	-218.2	3,647.4	356.57
12,302.0	88.60	5.60	8,625.0	3,736.5	-209.4	3,742.3	356.79
12,398.0	90.70	6.80	8,625.6	3,831.9	-199.0	3,837.1	357.03
12,493.0	91.50	6.40	8,623.8	3,926.2	-188.1	3,930.7	357.26
12,587.0	93.20	6.30	8,619.9	4,019.6	-177.7	4,023.5	357.47
12,682.0	93.60	5.00	8,614.3	4,114.0	-168.4	4,117.4	357.66
12,779.0	92.50	4.50	8,609.1	4,210.5	-160.4	4,213.5	357.82
12,874.0	90.00	4.70	8,607.1	4,305.1	-152.7	4,307.9	357.97
12,970.0	88.10	5.90	8,608.7	4,400.7	-143.9	4,403.1	358.13
13,065.0	89.50	5.70	8,610.6	4,495.2	-134.3	4,497.2	358.29
13,160.0	88.50	6.40	8,612.3	4,589.7	-124.3	4,591.3	358.45
13,256.0	89.80	5.70	8,613.7	4,685.1	-114.2	4,686.5	358.60
13,352.0	89.00	5.20	8,614.7	4,780.7	-105.0	4,781.8	358.74
13,448.0	90.70	4.00	8,615.0	4,876.4	-97.3	4,877.3	358.86
13,541.0	91.00	3.80	8,613.6	4,969.1	-91.0	4,970.0	358.95
13,636.0	88.70	3.60	8,613.8	5,063.9	-84.9	5,064.6	359.04
13,732.0	90.20	3.30	8,614.8	5,159.7	-79.1	5,160.4	359.12
13,828.0	92.10	2.60	8,612.8	5,255.6	-74.2	5,256.1	359.19
13,924.0	90.30	2.80	8,610.8	5,351.5	-69.6	5,351.9	359.25
13,999.0	91.40	2.20	8,609.7	5,426.4	-66.4	5,426.8	359.30
14,049.0	91.40	2.20	8,608.5	5,476.3	-64.5	5,476.7	359.33
TD @ 14049.0' MD / 8608.5' TVD							

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
7,785.0	7,782.5	-55.3	2.7	MWD Tie In @ 7785.0' MD / 7782.5' TVD
14,049.0	8,608.5	5,476.3	-64.5	TD @ 14049.0' MD / 8608.5' TVD

Checked By: _____ Approved By: _____ Date: _____