

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
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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: 09/03/2020 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 -45427	² Pool Code 96217	³ Pool Name Willow Lake; Bone Spring
⁴ Property Code 314121	⁵ Property Name CORRAL CANYON FEDERAL	⁶ Well Number 212H
⁷ OGRID No. 005380	⁸ Operator Name XTO ENERGY, INC.	⁹ Elevation 2,988'

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
B	16	25 S	29 E		555	NORTH	2,480	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
2	4	25 S	29 E		38	NORTH	1,711	EAST	EDDY

¹² Dedicated Acres 320	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= 413,252.4 X= 606,760.4 LAT.= 32.135678°N LONG.= 103.988431°W FIRST TAKE POINT NAD 27 NME Y= 414,267.4 X= 577,272.7 LAT.= 32.138692°N LONG.= 104.083686°W CORNER COORDINATES TABLE NAD 27 NME A - Y= 413,806.7 N, X= 606,583.0 E B - Y= 413,812.2 N, X= 607,909.9 E C - Y= 416,458.8 N, X= 606,579.0 E D - Y= 416,464.1 N, X= 607,907.0 E E - Y= 419,113.3 N, X= 606,574.9 E F - Y= 419,120.2 N, X= 607,904.7 E G - Y= 421,766.9 N, X= 606,554.9 E H - Y= 421,774.1 N, X= 607,886.5 E I - Y= 424,424.6 N, X= 606,534.8 E J - Y= 424,430.3 N, X= 607,868.0 E CORNER COORDINATES TABLE NAD 83 NME A - Y= 413,865.1 N, X= 647,767.3 E B - Y= 413,870.6 N, X= 649,094.2 E C - Y= 416,517.3 N, X= 647,763.2 E D - Y= 416,522.6 N, X= 649,091.3 E E - Y= 419,171.8 N, X= 647,759.1 E F - Y= 419,178.7 N, X= 649,088.9 E G - Y= 421,825.5 N, X= 647,739.0 E H - Y= 421,832.7 N, X= 649,070.6 E I - Y= 424,483.2 N, X= 647,718.8 E J - Y= 424,488.9 N, X= 649,052.0 E LAST TAKE POINT NAD 27 NME Y= 424,221.5 X= 607,494.9 LAT.= 32.165825°N LONG.= 103.985944°W BOTTOM HOLE LOCATION NAD 27 NME Y= 424,391.0 X= 607,490.4 LAT.= 32.166291°N LONG.= 103.985957°W	GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 413,310.8 X= 647,944.7 LAT.= 32.135802°N LONG.= 103.988918°W FIRST TAKE POINT NAD 83 NME Y= 414,325.5 X= 648,456.4 LAT.= 32.138586°N LONG.= 103.987255°W CORNER COORDINATES TABLE NAD 83 NME A - Y= 413,865.1 N, X= 647,767.3 E B - Y= 413,870.6 N, X= 649,094.2 E C - Y= 416,517.3 N, X= 647,763.2 E D - Y= 416,522.6 N, X= 649,091.3 E E - Y= 419,171.8 N, X= 647,759.1 E F - Y= 419,178.7 N, X= 649,088.9 E G - Y= 421,825.5 N, X= 647,739.0 E H - Y= 421,832.7 N, X= 649,070.6 E I - Y= 424,483.2 N, X= 647,718.8 E J - Y= 424,488.9 N, X= 649,052.0 E LAST TAKE POINT NAD 83 NME Y= 424,280.1 X= 648,678.9 LAT.= 32.165949°N LONG.= 103.986432°W BOTTOM HOLE LOCATION NAD 83 NME Y= 424,449.6 X= 648,674.4 LAT.= 32.166414°N LONG.= 103.986445°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: <i>Tracie J. Cherry</i> Date: 11/15/19 Tracie J. Cherry, Regulatory Coordinator Printed Name tracie_cherry@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. 11-15-2019 Date of Survey Signature and Seal of Professional Surveyor: <i>Mark Dillon Harp</i> MARK DILLON HARP 23786 Certificate Number LM 2017122139		

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



I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **09/10/19** thru **10/17/19** conduct or supervise the taking of a **MWD Survey** from a depth of **143'** to a depth of **19,670'**; that the data is true, correct, complete and within the limitations of the tool as set forth by **Wellbenders Directional Services**; that I am authorized and qualified to make this report; that this survey was conducted at the request of **XTO Energy Inc** for the **Corral Canyon Fed 212H API No. 30-015-45427** 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 **Wellbenders Directional Services**.

Larry Wright

Larry
Wright

Digitally signed
by Larry Wright
Date:
2019.12.11
13:39:14 -06'00'



Wellbenders End Of Well Report



Company:	XTO Energy	Local Co-ordinate Reference:	Well #212H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB=26.4' @ 3014.40usft (Felderhoff 26)
Site:	Corral Canyon Federal	MD Reference:	RKB=26.4' @ 3014.40usft (Felderhoff 26)
Well:	#212H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	WBDS_SQL_2

Project	Eddy County, NM (Nad-27 / East Zone)		
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	Corral Canyon Federal		
Site Position:		Northing:	419,304.30 usft
From:	Map	Easting:	603,207.70 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	32.152345
		Longitude:	-103.999848
		Grid Convergence:	0.177 °

Well		#212H				
Well Position	+N/-S	0.00 usft	Northing:	413,252.40 usft	Latitude:	32.135678
	+E/-W	0.00 usft	Easting:	606,760.40 usft	Longitude:	-103.988431
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	2,988.00 usft

Wellbore	ST02				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/8/2019	6.963	59.894	47,675.69523287

Design	ST02			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 9,878.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	13.33



Wellbenders End Of Well Report



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Well:	#212H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	WBDS_SQL_2

Survey Program		Date	3/1/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
143.00	5,379.00	Survey #1 (OH)	MWD+HDGM	OWSG MWD + HDGM	
5,449.00	9,878.00	Survey #1 (ST01)	MWD+HDGM	OWSG MWD + HDGM	
9,972.00	19,670.00	Survey #1 (ST02)	WBDS_IGRF	OWSG MWD + IGRF or WMM	

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CC 212: SHL(555' FNL & 2480' FEL)									
143.00	0.79	177.12	143.00	-0.98	0.05	-0.95	143.00	177.12	0.55
206.00	1.10	122.52	205.99	-1.74	0.58	-1.56	63.00	144.98	1.44
265.00	2.51	67.06	264.96	-1.54	2.25	-0.98	59.00	83.19	3.55
298.00	2.99	60.56	297.92	-0.84	3.66	0.03	33.00	63.53	1.73
383.41	3.12	49.13	383.21	1.78	7.36	3.43	85.41	54.72	0.73
475.78	2.51	40.43	475.47	4.96	10.57	7.26	92.37	45.25	0.80
557.17	2.51	36.21	556.78	7.76	12.78	10.49	81.39	38.32	0.23
624.00	2.99	31.11	623.54	10.43	14.55	13.50	66.83	33.44	0.81
750.00	3.21	35.51	749.35	16.11	18.29	19.90	126.00	33.39	0.26
841.13	2.29	43.68	840.38	19.51	21.03	23.83	91.13	38.91	1.09
934.74	2.51	61.52	933.90	21.84	24.13	26.81	93.61	53.01	0.83
1,030.70	1.58	91.49	1,029.81	22.80	27.30	28.48	95.96	73.02	1.45
1,124.00	1.58	97.47	1,123.07	22.60	29.86	28.88	93.30	94.48	0.18
1,220.00	1.80	106.44	1,219.03	22.01	32.62	28.93	96.00	102.25	0.36
1,314.71	1.89	100.72	1,313.69	21.29	35.58	28.92	94.71	103.51	0.22
1,409.01	2.02	102.83	1,407.93	20.64	38.73	29.01	94.30	101.81	0.16
1,503.07	1.89	97.91	1,501.94	20.05	41.88	29.17	94.06	100.45	0.23
1,598.05	2.02	95.27	1,596.86	19.68	45.10	29.55	94.98	96.55	0.17
1,690.26	2.11	92.99	1,689.01	19.45	48.41	30.08	92.21	94.11	0.13



Wellbenders End Of Well Report



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Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB=26.4' @ 3014.40usft (Felderhoff 26)
Site:	Corral Canyon Federal	MD Reference:	RKB=26.4' @ 3014.40usft (Felderhoff 26)
Well:	#212H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
1,784.81	2.29	91.32	1,783.49	19.31	52.04	30.79	94.55	92.12	0.20	
1,878.64	2.51	95.71	1,877.24	19.07	55.96	31.45	93.83	93.62	0.31	
1,973.17	2.51	90.70	1,971.68	18.83	60.09	32.18	94.53	93.20	0.23	
2,068.09	2.59	90.53	2,066.51	18.79	64.31	33.11	94.92	90.61	0.08	
2,162.35	2.68	89.74	2,160.67	18.78	68.64	34.09	94.26	90.13	0.10	
2,257.50	2.99	94.83	2,255.70	18.58	73.34	34.98	95.15	92.42	0.42	
2,351.40	2.51	98.17	2,349.49	18.08	77.81	35.53	93.90	96.35	0.54	
2,446.66	2.59	103.97	2,444.66	17.27	81.97	35.69	95.26	101.12	0.28	
2,541.24	2.42	99.23	2,539.15	16.43	86.01	35.81	94.58	101.68	0.28	
2,636.56	3.21	103.89	2,634.35	15.47	90.59	35.93	95.32	101.89	0.86	
2,731.63	2.68	109.07	2,729.30	14.10	95.27	35.68	95.07	106.25	0.62	
2,814.00	3.12	109.51	2,811.56	12.72	99.21	35.25	82.37	109.31	0.53	
2,924.00	2.68	117.53	2,921.42	10.53	104.31	34.29	110.00	113.22	0.54	
3,019.00	2.59	94.86	3,016.32	9.33	108.42	34.07	95.00	106.39	1.09	
3,113.00	2.42	89.58	3,110.23	9.16	112.52	34.85	94.00	92.31	0.30	
3,208.00	2.51	72.09	3,205.15	9.82	116.50	36.40	95.00	80.67	0.79	
3,302.00	2.20	69.02	3,299.07	11.09	120.15	38.49	94.00	70.66	0.36	
3,397.00	2.11	62.78	3,394.00	12.55	123.40	40.65	95.00	65.97	0.26	
3,491.00	2.02	64.09	3,487.94	14.06	126.43	42.83	94.00	63.42	0.11	
3,586.00	1.80	61.02	3,582.89	15.52	129.24	44.89	95.00	62.64	0.26	
3,681.00	1.58	55.92	3,677.85	16.97	131.63	46.86	95.00	58.64	0.28	
3,775.00	1.41	52.76	3,771.81	18.40	133.63	48.71	94.00	54.43	0.20	
3,869.00	1.19	52.76	3,865.79	19.69	135.33	50.35	94.00	52.76	0.23	
3,964.00	1.10	38.25	3,960.77	21.00	136.68	51.94	95.00	45.79	0.32	
4,058.00	1.01	40.72	4,054.75	22.34	137.78	53.50	94.00	39.43	0.11	
4,153.00	0.31	307.99	4,149.75	23.13	138.12	54.35	95.00	23.44	1.13	
4,248.00	0.48	9.78	4,244.75	23.68	137.98	54.85	95.00	346.22	0.45	



Wellbenders End Of Well Report



Company:	XTO Energy	Local Co-ordinate Reference:	Well #212H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB=26.4' @ 3014.40usft (Felderhoff 26)
Site:	Corral Canyon Federal	MD Reference:	RKB=26.4' @ 3014.40usft (Felderhoff 26)
Well:	#212H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
4,342.00	1.32	61.28	4,338.74	24.59	139.00	55.97	94.00	48.21	1.16	
4,437.00	1.49	48.19	4,433.71	25.94	140.88	57.71	95.00	54.34	0.38	
4,532.00	1.49	68.67	4,528.68	27.21	142.95	59.43	95.00	58.43	0.56	
4,626.00	1.49	97.23	4,622.65	27.50	145.30	60.26	94.00	82.95	0.78	
4,720.00	2.20	98.28	4,716.60	27.09	148.30	60.54	94.00	97.86	0.76	
4,814.00	2.02	96.97	4,810.53	26.63	151.73	60.89	94.00	97.65	0.20	
4,908.00	2.68	99.08	4,904.45	26.08	155.54	61.23	94.00	98.17	0.71	
5,002.00	2.99	91.43	4,998.34	25.67	160.17	61.90	94.00	95.05	0.52	
5,097.00	2.68	90.29	5,093.22	25.60	164.86	62.91	95.00	90.89	0.33	
5,191.00	2.02	88.97	5,187.14	25.62	168.72	63.82	94.00	89.72	0.70	
5,285.00	2.29	93.71	5,281.08	25.53	172.25	64.54	94.00	91.49	0.34	
5,379.00	2.29	100.39	5,375.00	25.07	175.97	64.95	94.00	97.05	0.28	
5,449.00	1.35	160.61	5,444.97	24.04	177.62	64.33	70.00	121.99	2.86	
5,496.00	3.93	250.84	5,491.93	22.99	176.28	63.00	47.00	231.85	8.85	
5,590.00	6.13	254.43	5,585.56	20.58	168.40	58.84	94.00	253.03	2.36	
5,684.00	5.73	253.35	5,679.06	17.89	159.07	54.07	94.00	253.91	0.44	
5,779.00	5.51	272.22	5,773.61	16.71	149.97	50.82	95.00	262.60	1.95	
5,874.00	5.76	282.20	5,868.15	17.89	140.75	49.85	95.00	277.32	1.06	
5,969.00	5.64	267.25	5,962.69	18.67	131.43	48.47	95.00	274.80	1.56	
6,064.00	5.30	257.46	6,057.26	17.50	122.48	45.26	95.00	262.51	1.04	
6,159.00	5.01	257.14	6,151.87	15.62	114.16	41.51	95.00	257.30	0.31	
6,253.00	5.00	256.87	6,245.51	13.78	106.17	37.88	94.00	257.01	0.03	
6,348.00	4.69	258.38	6,340.18	12.06	98.33	34.40	95.00	257.60	0.35	
6,442.00	4.35	259.87	6,433.88	10.65	91.06	31.36	94.00	259.10	0.38	
6,537.00	3.72	254.30	6,528.65	9.19	84.54	28.43	95.00	257.30	0.78	
6,632.00	3.52	254.88	6,623.46	7.59	78.76	25.54	95.00	254.58	0.21	
6,727.00	4.22	261.10	6,718.24	6.29	72.49	22.83	95.00	258.27	0.86	



Wellbenders End Of Well Report



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Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB=26.4' @ 3014.40usft (Felderhoff 26)
Site:	Corral Canyon Federal	MD Reference:	RKB=26.4' @ 3014.40usft (Felderhoff 26)
Well:	#212H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
6,821.00	3.81	272.75	6,812.01	5.91	65.96	20.95	94.00	266.63	0.97	
6,916.00	1.55	263.07	6,906.90	5.90	61.53	19.92	95.00	269.95	2.42	
7,011.00	1.05	272.69	7,001.88	5.79	59.38	19.32	95.00	266.95	0.57	
7,105.00	0.71	254.85	7,095.87	5.68	57.96	18.88	94.00	265.51	0.46	
7,200.00	1.09	284.24	7,190.85	5.74	56.52	18.62	95.00	272.71	0.62	
7,294.00	2.11	306.53	7,284.82	6.99	54.26	19.31	94.00	298.98	1.25	
7,389.00	1.98	299.17	7,379.76	8.83	51.42	20.45	95.00	302.97	0.31	
7,484.00	1.85	313.93	7,474.71	10.70	48.88	21.68	95.00	306.30	0.54	
7,578.00	1.23	16.32	7,568.68	12.72	48.07	23.46	94.00	338.18	1.79	
7,673.00	0.65	100.15	7,663.67	13.60	48.89	24.51	95.00	42.76	1.40	
7,767.00	0.59	166.91	7,757.66	13.04	49.52	24.10	94.00	131.70	0.73	
7,832.00	0.22	156.00	7,822.66	12.60	49.65	23.70	65.00	163.95	0.58	
7,854.00	0.18	262.28	7,844.66	12.55	49.63	23.66	22.00	201.54	1.46	
7,886.00	0.65	67.23	7,876.66	12.62	49.75	23.75	32.00	61.62	2.58	
7,918.00	4.22	69.45	7,908.63	13.10	51.02	24.51	32.00	69.15	11.16	
7,950.00	8.85	77.80	7,940.41	14.04	54.53	26.23	32.00	75.10	14.73	
7,981.00	13.14	79.94	7,970.83	15.16	60.33	28.66	31.00	79.08	13.90	
8,013.00	16.87	81.93	8,001.74	16.44	68.52	31.79	32.00	81.06	11.77	
8,045.00	20.30	84.04	8,032.06	17.67	78.64	35.32	32.00	83.08	10.92	
8,076.00	23.14	87.00	8,060.86	18.55	90.07	38.81	31.00	85.61	9.82	
8,108.00	26.89	88.96	8,089.86	19.01	103.59	42.38	32.00	88.05	12.00	
8,139.00	30.23	88.79	8,117.08	19.30	118.41	46.08	31.00	88.87	10.78	
8,171.00	34.16	88.33	8,144.15	19.73	135.45	50.42	32.00	88.55	12.31	
8,202.00	37.09	86.15	8,169.35	20.62	153.48	55.44	31.00	87.20	10.30	
8,234.00	41.04	83.86	8,194.19	22.39	173.56	61.79	32.00	84.96	13.14	
8,265.00	43.98	80.83	8,217.04	25.19	194.31	69.30	31.00	82.30	11.55	
8,297.00	46.93	77.36	8,239.49	29.52	216.69	78.68	32.00	79.05	12.03	



Wellbenders End Of Well Report



Company:	XTO Energy	Local Co-ordinate Reference:	Well #212H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB=26.4' @ 3014.40usft (Felderhoff 26)
Site:	Corral Canyon Federal	MD Reference:	RKB=26.4' @ 3014.40usft (Felderhoff 26)
Well:	#212H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
8,329.00	48.95	73.32	8,260.93	35.55	239.66	89.83	32.00	75.31	11.30	
8,360.00	49.94	69.17	8,281.09	43.12	261.96	102.34	31.00	71.23	10.66	
8,392.00	51.50	63.47	8,301.36	53.07	284.62	117.25	32.00	66.29	14.62	
8,423.00	52.08	57.14	8,320.55	65.14	305.75	133.86	31.00	60.29	16.15	
8,455.00	52.59	51.02	8,340.11	79.99	326.25	153.03	32.00	54.07	15.22	
8,487.00	52.28	45.04	8,359.63	96.93	345.09	173.87	32.00	48.04	14.84	
8,518.00	51.63	40.20	8,378.75	114.89	361.62	195.15	31.00	42.63	12.47	
8,550.00	50.71	35.15	8,398.82	134.60	376.85	217.84	32.00	37.69	12.62	
8,582.00	48.04	29.63	8,419.66	155.08	389.87	240.77	32.00	32.45	15.52	
8,613.00	46.66	25.27	8,440.67	175.30	400.39	262.87	31.00	27.47	11.26	
8,645.00	47.85	23.14	8,462.39	196.73	410.02	285.94	32.00	24.19	6.14	
8,676.00	50.12	21.41	8,482.73	218.38	418.88	309.05	31.00	22.26	8.45	
8,707.00	52.12	20.19	8,502.19	240.94	427.44	332.97	31.00	20.79	7.14	
8,739.00	53.96	18.53	8,521.43	265.06	435.91	358.40	32.00	19.35	7.09	
8,771.00	56.06	16.48	8,539.78	290.06	443.79	384.54	32.00	17.49	8.40	
8,803.00	57.82	14.17	8,557.24	315.92	450.87	411.34	32.00	15.31	8.18	
8,835.00	60.41	12.55	8,573.66	342.64	457.21	438.80	32.00	13.35	9.19	
8,866.00	62.23	10.04	8,588.54	369.31	462.53	465.98	31.00	11.28	9.22	
8,897.00	64.69	8.28	8,602.39	396.68	466.94	493.63	31.00	9.15	9.42	
8,929.00	66.81	7.12	8,615.54	425.60	470.85	522.67	32.00	7.70	7.40	
8,960.00	68.99	6.17	8,627.20	454.12	474.17	551.19	31.00	6.64	7.58	
8,992.00	71.45	5.99	8,638.03	484.06	477.36	581.06	32.00	6.08	7.71	
9,024.00	73.38	5.75	8,647.70	514.41	480.48	611.30	32.00	5.87	6.07	
9,056.00	75.41	5.56	8,656.30	545.07	483.52	641.85	32.00	5.65	6.37	
9,087.00	76.51	5.38	8,663.82	575.01	486.38	671.64	31.00	5.47	3.59	
9,119.00	77.31	5.49	8,671.07	606.04	489.33	702.51	32.00	5.44	2.52	
9,151.00	78.22	5.23	8,677.85	637.18	492.26	733.48	32.00	5.36	2.95	



Wellbenders End Of Well Report



Company:	XTO Energy	Local Co-ordinate Reference:	Well #212H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB=26.4' @ 3014.40usft (Felderhoff 26)
Site:	Corral Canyon Federal	MD Reference:	RKB=26.4' @ 3014.40usft (Felderhoff 26)
Well:	#212H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
9,175.16	78.95	5.14	8,682.63	660.76	494.40	756.93	24.16	5.18	3.05	
CC 212: FTP										
9,183.00	79.19	5.11	8,684.12	668.43	495.08	764.55	7.84	5.12	3.05	
9,214.00	79.89	4.88	8,689.75	698.80	497.74	794.71	31.00	4.99	2.37	
9,246.00	79.79	3.26	8,695.39	730.21	499.97	825.79	32.00	4.07	4.99	
9,277.00	80.17	2.73	8,700.79	760.70	501.57	855.83	31.00	2.99	2.08	
9,309.00	80.62	2.60	8,706.13	792.22	503.04	886.83	32.00	2.66	1.46	
9,340.00	81.30	2.62	8,711.00	822.80	504.43	916.91	31.00	2.61	2.19	
9,372.00	82.39	2.59	8,715.54	854.44	505.87	948.04	32.00	2.60	3.41	
9,404.00	83.64	2.43	8,719.43	886.17	507.26	979.23	32.00	2.51	3.94	
9,436.00	84.26	2.37	8,722.80	917.97	508.59	1,010.48	32.00	2.40	1.95	
9,467.00	85.28	2.25	8,725.63	948.81	509.84	1,040.78	31.00	2.31	3.31	
9,499.00	86.85	1.64	8,727.82	980.72	510.92	1,072.08	32.00	1.94	5.26	
9,593.00	89.85	0.88	8,730.53	1,074.65	512.99	1,163.95	94.00	1.26	3.29	
9,688.00	90.49	0.15	8,730.25	1,169.64	513.84	1,256.58	95.00	0.52	1.02	
9,783.00	89.23	359.07	8,730.48	1,264.63	513.19	1,348.87	95.00	359.61	1.75	
9,878.00	89.94	358.38	8,731.17	1,359.61	511.08	1,440.80	95.00	358.72	1.04	
9,972.00	89.19	358.78	8,731.88	1,453.57	508.75	1,531.70	94.00	358.58	0.90	
9,986.00	88.48	358.87	8,732.16	1,467.57	508.46	1,545.25	14.00	358.82	5.11	
10,001.00	88.00	359.40	8,732.63	1,482.56	508.24	1,559.79	15.00	359.13	4.77	
10,016.00	87.69	0.19	8,733.19	1,497.55	508.18	1,574.36	15.00	359.79	5.65	
10,041.00	88.09	0.80	8,734.11	1,522.53	508.40	1,598.72	25.00	0.50	2.92	
10,066.00	88.66	1.15	8,734.82	1,547.52	508.82	1,623.13	25.00	0.98	2.68	
10,161.00	91.34	1.42	8,734.82	1,642.48	510.95	1,716.03	95.00	1.28	2.84	
10,255.00	90.81	2.82	8,733.06	1,736.40	514.43	1,808.22	94.00	2.12	1.59	
10,350.00	92.84	2.82	8,730.03	1,831.23	519.10	1,901.57	95.00	2.82	2.14	
10,444.00	92.13	5.28	8,725.95	1,924.90	525.73	1,994.25	94.00	4.05	2.72	



Wellbenders End Of Well Report



Company:	XTO Energy	Local Co-ordinate Reference:	Well #212H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB=26.4' @ 3014.40usft (Felderhoff 26)
Site:	Corral Canyon Federal	MD Reference:	RKB=26.4' @ 3014.40usft (Felderhoff 26)
Well:	#212H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
10,538.00	94.24	5.81	8,720.73	2,018.31	534.80	2,087.24	94.00	5.54	2.31	
10,633.00	93.14	7.13	8,714.62	2,112.51	545.49	2,181.36	95.00	6.47	1.81	
10,727.00	92.57	6.78	8,709.93	2,205.70	556.85	2,274.66	94.00	6.95	0.71	
10,821.00	91.16	5.99	8,706.88	2,299.06	567.30	2,367.92	94.00	6.38	1.72	
10,916.00	90.24	6.78	8,705.72	2,393.47	577.86	2,462.21	95.00	6.39	1.28	
11,011.00	92.57	7.04	8,703.39	2,487.74	589.29	2,556.58	95.00	6.91	2.47	
11,105.00	91.60	4.67	8,699.97	2,581.18	598.87	2,649.72	94.00	5.85	2.72	
11,200.00	91.25	5.11	8,697.60	2,675.81	606.97	2,743.66	95.00	4.89	0.59	
11,294.00	91.38	4.76	8,695.45	2,769.43	615.05	2,836.63	94.00	4.94	0.40	
11,388.00	91.08	3.09	8,693.43	2,863.19	621.48	2,929.34	94.00	3.92	1.80	
11,483.00	89.80	3.00	8,692.70	2,958.05	626.53	3,022.81	95.00	3.04	1.35	
11,578.00	89.76	2.38	8,693.06	3,052.94	630.99	3,116.18	95.00	2.69	0.65	
11,673.00	88.57	2.21	8,694.45	3,147.85	634.79	3,209.41	95.00	2.30	1.27	
11,768.00	90.42	4.58	8,695.29	3,242.67	640.42	3,302.97	95.00	3.40	3.16	
11,863.00	89.93	4.85	8,694.99	3,337.35	648.23	3,396.90	95.00	4.72	0.59	
11,958.00	91.52	4.67	8,693.79	3,432.01	656.11	3,490.83	95.00	4.76	1.68	
12,052.00	90.68	4.49	8,691.99	3,525.69	663.61	3,583.72	94.00	4.58	0.91	
12,147.00	89.85	4.76	8,691.55	3,620.38	671.27	3,677.62	95.00	4.63	0.92	
12,242.00	91.38	4.41	8,690.53	3,715.07	678.87	3,771.51	95.00	4.59	1.65	
12,337.00	90.46	3.53	8,689.00	3,809.83	685.44	3,865.23	95.00	3.97	1.34	
12,432.00	90.46	3.61	8,688.24	3,904.64	691.36	3,958.86	95.00	3.57	0.08	
12,526.00	89.36	3.79	8,688.39	3,998.44	697.42	4,051.53	94.00	3.70	1.19	
12,621.00	90.95	4.14	8,688.13	4,093.21	703.99	4,145.26	95.00	3.96	1.71	
12,715.00	90.90	4.58	8,686.61	4,186.93	711.14	4,238.10	94.00	4.36	0.47	
12,810.00	89.80	4.58	8,686.03	4,281.62	718.72	4,331.99	95.00	4.58	1.16	
12,904.00	89.67	4.49	8,686.47	4,375.33	726.16	4,424.89	94.00	4.54	0.17	
12,999.00	89.19	3.44	8,687.41	4,470.09	732.72	4,518.62	95.00	3.97	1.22	



Wellbenders End Of Well Report



Company:	XTO Energy	Local Co-ordinate Reference:	Well #212H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB=26.4' @ 3014.40usft (Felderhoff 26)
Site:	Corral Canyon Federal	MD Reference:	RKB=26.4' @ 3014.40usft (Felderhoff 26)
Well:	#212H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
13,094.00	89.05	1.68	8,688.87	4,564.98	736.97	4,611.93	95.00	2.56	1.86	
13,188.00	91.47	1.24	8,688.45	4,658.94	739.36	4,703.91	94.00	1.46	2.62	
13,282.00	91.60	359.92	8,685.93	4,752.90	740.31	4,795.56	94.00	0.58	1.41	
13,378.00	90.24	359.84	8,684.39	4,848.89	740.11	4,888.92	96.00	359.88	1.42	
13,472.00	91.03	359.31	8,683.35	4,942.88	739.42	4,980.21	94.00	359.58	1.01	
13,567.00	93.76	358.43	8,679.38	5,037.77	737.54	5,072.12	95.00	358.87	3.02	
13,662.00	92.62	358.34	8,674.09	5,132.58	734.87	5,163.76	95.00	358.38	1.20	
13,757.00	92.22	359.57	8,670.08	5,227.48	733.14	5,255.70	95.00	358.96	1.36	
13,851.00	90.46	0.71	8,667.88	5,321.45	733.37	5,347.20	94.00	0.14	2.23	
13,946.00	89.14	1.77	8,668.21	5,416.42	735.43	5,440.09	95.00	1.24	1.78	
14,041.00	88.04	1.77	8,670.55	5,511.35	738.36	5,533.13	95.00	1.77	1.16	
14,135.00	90.46	1.86	8,671.78	5,605.28	741.34	5,625.22	94.00	1.82	2.58	
14,230.00	90.51	0.89	8,670.97	5,700.25	743.62	5,718.16	95.00	1.38	1.02	
14,324.00	90.73	359.40	8,669.96	5,794.24	743.85	5,809.68	94.00	0.15	1.60	
14,419.00	89.23	359.40	8,669.99	5,889.23	742.86	5,901.88	95.00	359.40	1.58	
14,513.00	91.30	0.80	8,669.56	5,983.23	743.02	5,993.38	94.00	0.10	2.66	
14,608.00	90.73	0.28	8,667.87	6,078.21	743.92	6,086.01	95.00	0.54	0.81	
14,703.00	89.14	0.19	8,667.98	6,173.20	744.31	6,178.54	95.00	0.24	1.68	
14,735.00	89.67	0.28	8,668.31	6,205.20	744.44	6,209.70	32.00	0.24	1.68	
14,830.00	91.91	359.57	8,667.00	6,300.18	744.31	6,302.10	95.00	359.93	2.47	
14,924.00	90.02	358.96	8,665.42	6,394.16	743.11	6,393.27	94.00	359.26	2.11	
15,019.00	90.24	358.96	8,665.20	6,489.14	741.38	6,485.30	95.00	358.96	0.23	
15,113.00	88.84	359.57	8,665.96	6,583.13	740.18	6,576.47	94.00	359.26	1.62	
15,208.00	90.73	359.31	8,666.32	6,678.12	739.25	6,668.69	95.00	359.44	2.01	
15,302.00	89.49	359.31	8,666.14	6,772.11	738.12	6,759.89	94.00	359.31	1.32	
15,397.00	90.59	359.22	8,666.07	6,867.10	736.90	6,852.04	95.00	359.27	1.16	
15,492.00	89.63	359.31	8,665.89	6,962.09	735.68	6,944.19	95.00	359.27	1.01	



Wellbenders End Of Well Report



Company:	XTO Energy	Local Co-ordinate Reference:	Well #212H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB=26.4' @ 3014.40usft (Felderhoff 26)
Site:	Corral Canyon Federal	MD Reference:	RKB=26.4' @ 3014.40usft (Felderhoff 26)
Well:	#212H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
15,586.00	90.86	359.13	8,665.48	7,056.08	734.40	7,035.36	94.00	359.22	1.32	
15,681.00	90.11	359.31	8,664.68	7,151.07	733.11	7,127.49	95.00	359.22	0.81	
15,777.00	92.13	359.22	8,662.80	7,247.04	731.88	7,220.59	96.00	359.27	2.11	
15,872.00	91.08	0.19	8,660.14	7,342.00	731.39	7,312.88	95.00	359.71	1.50	
15,967.00	90.11	0.98	8,659.16	7,436.98	732.36	7,405.53	95.00	0.59	1.32	
16,061.00	88.53	1.07	8,660.27	7,530.96	734.04	7,497.37	94.00	1.02	1.68	
16,156.00	90.90	0.54	8,660.75	7,625.94	735.37	7,590.10	95.00	0.80	2.56	
16,250.00	90.59	0.28	8,659.52	7,719.93	736.05	7,681.71	94.00	0.41	0.43	
16,344.00	89.67	359.57	8,659.31	7,813.93	735.92	7,773.15	94.00	359.92	1.24	
16,439.00	87.16	359.57	8,661.94	7,908.88	735.21	7,865.38	95.00	359.57	2.64	
16,534.00	88.00	359.31	8,665.95	8,003.79	734.28	7,957.52	95.00	359.44	0.93	
16,628.00	90.02	358.25	8,667.57	8,097.75	732.28	8,048.49	94.00	358.78	2.43	
16,722.00	90.15	358.87	8,667.43	8,191.72	729.92	8,139.38	94.00	358.56	0.67	
16,816.00	92.00	358.61	8,665.67	8,285.68	727.85	8,230.33	94.00	358.74	1.99	
16,912.00	92.00	359.04	8,662.32	8,381.60	725.89	8,323.22	96.00	358.82	0.45	
17,006.00	91.60	359.66	8,659.37	8,475.55	724.82	8,414.39	94.00	359.35	0.78	
17,101.00	90.59	0.63	8,657.55	8,570.53	725.06	8,506.87	95.00	0.15	1.47	
17,195.00	89.71	1.42	8,657.30	8,664.51	726.74	8,598.71	94.00	1.03	1.26	
17,290.00	91.34	0.71	8,656.43	8,759.48	728.51	8,691.53	95.00	1.07	1.87	
17,385.00	90.68	0.63	8,654.76	8,854.46	729.62	8,784.21	95.00	0.67	0.70	
17,479.00	90.90	0.89	8,653.46	8,948.44	730.87	8,875.95	94.00	0.76	0.36	
17,573.00	90.55	0.54	8,652.27	9,042.43	732.04	8,967.67	94.00	0.71	0.53	
17,668.00	90.37	0.98	8,651.51	9,137.42	733.30	9,060.39	95.00	0.76	0.50	
17,763.00	90.07	1.07	8,651.15	9,232.40	735.00	9,153.21	95.00	1.03	0.33	
17,857.00	89.54	0.98	8,651.47	9,326.39	736.68	9,245.05	94.00	1.03	0.57	
17,951.00	89.67	0.01	8,652.12	9,420.38	737.49	9,336.70	94.00	0.49	1.04	
18,046.00	91.03	359.13	8,651.53	9,515.37	736.78	9,428.97	95.00	359.57	1.71	



Wellbenders End Of Well Report



Company:	XTO Energy	Local Co-ordinate Reference:	Well #212H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB=26.4' @ 3014.40usft (Felderhoff 26)
Site:	Corral Canyon Federal	MD Reference:	RKB=26.4' @ 3014.40usft (Felderhoff 26)
Well:	#212H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	WBDS_SQL_2

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
18,140.00	91.12	359.22	8,649.77	9,609.35	735.42	9,520.10	94.00	359.17	0.14
18,236.00	90.77	359.31	8,648.19	9,705.32	734.19	9,613.22	96.00	359.27	0.38
18,330.00	89.98	359.66	8,647.57	9,799.32	733.35	9,704.48	94.00	359.49	0.92
18,424.00	90.64	359.40	8,647.06	9,893.31	732.58	9,795.77	94.00	359.53	0.75
18,518.00	90.33	359.22	8,646.27	9,987.30	731.45	9,886.97	94.00	359.31	0.38
18,612.00	90.20	0.01	8,645.83	10,081.30	730.81	9,978.29	94.00	359.62	0.85
18,707.00	89.49	0.28	8,646.09	10,176.30	731.05	10,070.78	95.00	0.14	0.80
18,801.00	90.90	0.19	8,645.77	10,270.29	731.44	10,162.34	94.00	0.24	1.50
18,896.00	90.77	359.92	8,644.39	10,365.28	731.53	10,254.79	95.00	0.05	0.32
18,991.00	89.98	0.89	8,643.76	10,460.28	732.20	10,347.38	95.00	0.41	1.32
19,085.00	89.85	0.89	8,643.90	10,554.26	733.66	10,439.17	94.00	0.89	0.14
19,180.00	91.30	0.01	8,642.95	10,649.25	734.41	10,531.78	95.00	0.45	1.79
19,274.00	91.47	0.36	8,640.68	10,743.23	734.71	10,623.29	94.00	0.18	0.41
19,370.00	90.86	0.19	8,638.73	10,839.20	735.17	10,716.79	96.00	0.27	0.66
19,465.00	91.96	359.66	8,636.39	10,934.17	735.05	10,809.17	95.00	359.93	1.29
19,560.00	93.80	358.52	8,631.62	11,029.04	733.54	10,901.13	95.00	359.09	2.28
19,606.24	95.04	358.10	8,628.05	11,075.11	732.19	10,945.66	46.24	358.31	2.82
ST2 LTP: 100' FNL									
19,619.00	95.38	357.99	8,626.89	11,087.82	731.75	10,957.92	12.76	358.05	2.82
19,654.75	95.38	357.99	8,623.54	11,123.39	730.50	10,992.24	35.75	357.99	0.00
ST2 PBHL: 50' FNL									
19,664.31	95.38	357.99	8,622.65	11,132.90	730.17	11,001.43	9.56	357.99	0.00
CC 212: PBHL(50' FNL & 1980' FEL)									
19,670.00	95.38	357.99	8,622.11	11,138.56	729.97	11,006.89	5.69	357.99	0.00
Final Station Closure Distance= 11162.46 /Direction= 3.75 - Projection to Bit: 19670.00' MD/ 8622.11' TVD - TD: Latitude = 32.166291 / Longitude = -103.985957 - TD: Y= 424390.96 / X= 607490.37 - Final Bit Pr									



Wellbenders End Of Well Report



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Well:	#212H	North Reference:	Grid
Wellbore:	ST02	Survey Calculation Method:	Minimum Curvature
Design:	ST02	Database:	WBDS_SQL_2

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
19,670.00	8,622.11	11,138.56	729.97	Final Station Closure Distance= 11162.46 /Direction= 3.75	
19,670.00	8,622.11	11,138.56	729.97	Projection to Bit: 19670.00' MD/ 8622.11' TVD	
19,670.00	8,622.11	11,138.56	729.97	TD: Latitude = 32.166291 / Longitude = -103.985957	
19,670.00	8,622.11	11,138.56	729.97	TD: Y= 424390.96 / X= 607490.37	

Checked By: _____	Approved By: _____	Date: _____
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