

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT AS-DRILLED PLAT

¹ API Number 30-015-45587	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp
⁴ Property Code 326209	⁵ Property Name Ross Draw 25-36 Federal Com	⁶ Well Number 101H
⁷ OGRID No. 005380	⁸ Operator Name XTO ENERGY, INC.	⁹ Elevation 2,944'

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
M	24	26 S	29 E		245	SOUTH	942	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
L1	36	26 S	29 E		141	SOUTH	766	WEST	EDDY

¹² Dedicated Acres 223.97	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

¹⁶ CORNER COORDINATES TABLE NAD 83 NME <table><tr><td>A - Y= 371,124.3 N, X= 661,488.2 E</td><td></td></tr><tr><td>B - Y= 371,204.6 N, X= 662,761.8 E</td><td></td></tr><tr><td>C - Y= 368,465.6 N, X= 661,343.0 E</td><td></td></tr><tr><td>D - Y= 368,546.3 N, X= 662,655.7 E</td><td></td></tr><tr><td>E - Y= 365,804.4 N, X= 661,197.4 E</td><td></td></tr><tr><td>F - Y= 365,887.8 N, X= 662,549.6 E</td><td></td></tr><tr><td>G - Y= 363,992.5 N, X= 661,035.6 E</td><td></td></tr><tr><td>H - Y= 363,998.0 N, X= 662,430.5 E</td><td></td></tr></table> CORNER COORDINATES TABLE NAD 27 NME <table><tr><td>A - Y= 371,066.8 N, X= 620,302.4 E</td><td></td></tr><tr><td>B - Y= 371,147.1 N, X= 621,576.0 E</td><td></td></tr><tr><td>C - Y= 368,408.2 N, X= 620,157.2 E</td><td></td></tr><tr><td>D - Y= 368,488.9 N, X= 621,469.8 E</td><td></td></tr><tr><td>E - Y= 365,747.0 N, X= 620,011.5 E</td><td></td></tr><tr><td>F - Y= 365,830.5 N, X= 621,363.7 E</td><td></td></tr><tr><td>G - Y= 364,935.2 N, X= 619,849.7 E</td><td></td></tr><tr><td>H - Y= 363,940.7 N, X= 621,244.5 E</td><td></td></tr></table> LOT ACREAGE TABLE <table><tr><td>LOT 1 - 23.97 ACRES</td></tr><tr><td>LOT 2 - 23.93 ACRES</td></tr><tr><td>LOT 3 - 23.87 ACRES</td></tr><tr><td>LOT 4 - 23.83 ACRES</td></tr></table>	A - Y= 371,124.3 N, X= 661,488.2 E		B - Y= 371,204.6 N, X= 662,761.8 E		C - Y= 368,465.6 N, X= 661,343.0 E		D - Y= 368,546.3 N, X= 662,655.7 E		E - Y= 365,804.4 N, X= 661,197.4 E		F - Y= 365,887.8 N, X= 662,549.6 E		G - Y= 363,992.5 N, X= 661,035.6 E		H - Y= 363,998.0 N, X= 662,430.5 E		A - Y= 371,066.8 N, X= 620,302.4 E		B - Y= 371,147.1 N, X= 621,576.0 E		C - Y= 368,408.2 N, X= 620,157.2 E		D - Y= 368,488.9 N, X= 621,469.8 E		E - Y= 365,747.0 N, X= 620,011.5 E		F - Y= 365,830.5 N, X= 621,363.7 E		G - Y= 364,935.2 N, X= 619,849.7 E		H - Y= 363,940.7 N, X= 621,244.5 E		LOT 1 - 23.97 ACRES	LOT 2 - 23.93 ACRES	LOT 3 - 23.87 ACRES	LOT 4 - 23.83 ACRES	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. Stephanie Rabadue 01/21/2020 Signature Date Stephanie Rabadue Printed Name stephanie_rabadue@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. 1-20-2020 Date of Survey Signature and Seal of Professional Surveyor: MARK DILLON HARP 23786 Certificate Number JC 2018112760
A - Y= 371,124.3 N, X= 661,488.2 E																																					
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RECEIVED

FEB 04 2020

EMNRD-OCD ARTESIAIntent ☐ As Drilled ☒

API # 30-015-45587			
Operator Name: XTO ENERGY INC.		Property Name: ROSS DRAW 25-36 FED	Well Number 101H

Kick Off Point (KOP)

UL M	Section 24	Township 26S	Range 29E	Lot	Feet 236	From N/S FSL	Feet 859	From E/W FWL	County EDDY
Latitude 32.020499					Longitude 103.942879			NAD 83	

First Take Point (FTP)

UL D	Section 25	Township 26S	Range 29E	Lot	Feet 340	From N/S FNL	Feet 827	From E/W FWL	County EDDY
Latitude 32.018904					Longitude 103.943035			NAD 83	

Last Take Point (LTP)

UL L1	Section 36	Township 26S	Range 29E	Lot	Feet 366	From N/S FSL	Feet 762	From E/W FWL	County EDDY
Latitude 32.001032					Longitude 103.944627			NAD 83	

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

Is this well an infill well?

☒ YES

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API # 30-015-45585			
Operator Name: XTO Energy Inc.		Property Name: Ross Draw 25 36 Federal Com	Well Number 102H

KZ 06/29/2018



RECEIVED
FEB 04 2020
EMNRD-OCD ARTESIA

I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **06/30/19** thru **07/29/19** conduct or supervise the taking of a **MWD Survey** from a depth of **135'** to a depth of **9487'** and from a depth of **9519'** to a depth of **17240'**; 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 **Ross Draw 25-36 Fed West 101H** and API No. **30-015-45587** 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

13901 Hwy 105W, Conroe, Texas
77304
PH 936-539-9602



Wellbenders End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #101H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB = 23' @ 2967.00usft (Frontier 17)
Site:	Ross Draw 25-36 Fed West	MD Reference:	RKB = 23' @ 2967.00usft (Frontier 17)
Well:	#101H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	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	Ross Draw 25-36 Fed West		
Site Position:		Northing:	364,267.03 usft
From:	Lat/Long	Easting:	620,303.01 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	32.000890
		Longitude:	-103.945250
		Grid Convergence:	0.206 °

Well	#101H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft		Wellhead Elevation:
			usft
			Latitude:
			32.020412
			Longitude:
			-103.942128
			Ground Level:
			2,944.00 usft

Wellbore	ST01		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2015	6/25/2019	6.892
			Dip Angle
			(°)
			59.791
			Field Strength
			(nT)
			47,574.36897279

Design	ST01		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	9,487.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			183.56



Wellbenders End Of Well Report

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Site:	Ross Draw 25-36 Fed West	MD Reference:	RKB = 23' @ 2967.00usft (Frontier 17)
Well:	#101H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	WBDS_SQL_2

Survey Program		Date: 7/31/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
135.00	9,487.00	Survey #1 (OH)	WBDS_IGRF	OWSG MWD + IGRF or WMM
9,519.00	17,240.00	Survey #1 (ST01)	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	
135.00	0.62	152.14	135.00	-0.65	0.34	0.62	135.00	152.14	0.46	
199.00	1.36	112.86	198.99	-1.25	1.20	1.17	64.00	124.90	1.51	
295.00	1.54	70.23	294.96	-1.25	3.47	1.04	96.00	90.16	1.11	
389.00	2.29	78.23	388.91	-0.44	6.49	0.04	94.00	75.01	0.85	
484.00	2.81	70.84	483.81	0.71	10.55	-1.36	95.00	74.16	0.65	
614.00	2.46	71.46	613.68	2.64	16.21	-3.64	130.00	71.13	0.27	
709.00	1.63	7.56	708.62	4.63	18.32	-5.76	95.00	46.72	2.40	
804.00	1.98	317.82	803.58	7.19	17.39	-8.25	95.00	340.12	1.63	
898.00	2.64	286.88	897.51	9.02	14.23	-9.88	94.00	300.09	1.48	
993.00	2.95	273.52	992.40	9.80	9.70	-10.39	95.00	279.83	0.76	
1,088.00	2.64	286.88	1,087.29	10.59	5.16	-10.89	95.00	279.83	0.76	
1,184.00	2.59	275.19	1,183.19	11.43	0.89	-11.46	96.00	281.09	0.56	
1,279.00	2.33	260.34	1,278.10	11.30	-3.15	-11.08	95.00	268.16	0.72	
1,373.00	2.73	254.01	1,372.01	10.36	-7.19	-9.89	94.00	256.92	0.52	
1,466.00	2.64	243.29	1,464.91	8.79	-11.23	-8.07	93.00	248.74	0.55	
1,562.00	2.64	239.77	1,560.80	6.68	-15.12	-5.73	96.00	241.53	0.17	
1,656.00	2.73	240.91	1,654.70	4.50	-18.94	-3.32	94.00	240.35	0.11	
1,751.00	2.64	238.10	1,749.60	2.24	-22.78	-0.83	95.00	239.53	0.17	
1,846.00	2.33	233.53	1,844.51	-0.06	-26.19	1.69	95.00	235.96	0.39	
1,941.00	2.51	252.07	1,939.42	-1.85	-29.72	3.69	95.00	243.15	0.84	



Wellbenders End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #101H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB = 23' @ 2967.00usft (Frontier 17)
Site:	Ross Draw 25-36 Fed West	MD Reference:	RKB = 23' @ 2967.00usft (Frontier 17)
Well:	#101H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	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)	
2,035.00	2.59	264.73	2,033.33	-2.68	-33.79	4.77	94.00	258.50	0.60	
2,130.00	2.95	276.24	2,128.22	-2.61	-38.36	4.98	95.00	270.86	0.70	
2,224.00	2.95	285.30	2,222.10	-1.71	-43.10	4.38	94.00	280.77	0.50	
2,320.00	3.16	287.93	2,317.96	-0.24	-48.00	3.22	96.00	286.66	0.26	
2,414.00	2.51	294.26	2,411.85	1.40	-52.34	1.85	94.00	290.73	0.77	
2,510.00	1.10	320.45	2,507.80	2.98	-54.84	0.43	96.00	302.17	1.66	
2,605.00	0.70	343.31	2,602.79	4.24	-55.59	-0.78	95.00	329.31	0.56	
2,700.00	1.05	72.78	2,697.78	5.05	-54.93	-1.63	95.00	39.25	1.32	
2,795.00	2.42	94.93	2,792.73	5.14	-52.10	-1.89	95.00	88.27	1.58	
2,889.00	3.34	98.88	2,886.61	4.54	-47.41	-1.59	94.00	97.22	1.00	
2,977.00	3.30	100.11	2,974.47	3.70	-42.39	-1.06	88.00	99.49	0.09	
3,072.00	1.76	110.83	3,069.37	2.70	-38.33	-0.32	95.00	103.84	1.69	
3,166.00	0.53	137.29	3,163.35	1.87	-36.69	0.41	94.00	116.86	1.39	
3,262.00	0.84	137.64	3,259.34	1.02	-35.91	1.21	96.00	137.50	0.32	
3,356.00	0.70	136.85	3,353.33	0.10	-35.06	2.08	94.00	137.28	0.15	
3,452.00	0.84	138.96	3,449.33	-0.86	-34.19	2.98	96.00	138.00	0.15	
3,548.00	0.57	169.11	3,545.32	-1.86	-33.64	3.95	96.00	151.08	0.47	
3,644.00	1.01	144.58	3,641.31	-3.02	-33.06	5.07	96.00	153.38	0.57	
3,739.00	1.19	147.05	3,736.29	-4.53	-32.04	6.51	95.00	145.92	0.20	
3,833.00	1.23	150.12	3,830.27	-6.22	-31.00	8.14	94.00	148.61	0.08	
3,928.00	1.19	131.93	3,925.25	-7.77	-29.76	9.60	95.00	141.18	0.40	
4,022.00	0.75	167.79	4,019.24	-9.02	-28.91	10.80	94.00	145.66	0.78	
4,118.00	0.84	169.63	4,115.23	-10.33	-28.65	12.09	96.00	168.76	0.10	
4,214.00	0.84	174.47	4,211.22	-11.72	-28.45	13.46	96.00	172.05	0.07	
4,308.00	0.75	179.56	4,305.21	-13.02	-28.38	14.76	94.00	176.87	0.12	
4,402.00	0.53	166.56	4,399.20	-14.06	-28.27	15.79	94.00	174.18	0.28	
4,496.00	0.35	166.38	4,493.20	-14.76	-28.11	16.48	94.00	166.49	0.19	



Wellbenders End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #101H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB = 23' @ 2967.00usft (Frontier 17)
Site:	Ross Draw 25-36 Fed West	MD Reference:	RKB = 23' @ 2967.00usft (Frontier 17)
Well:	#101H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	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)
4,591.00	0.57	302.96	4,588.20	-14.79	-28.43	16.52	95.00	265.66	0.90
4,685.00	1.54	302.35	4,682.18	-13.86	-29.89	15.69	94.00	302.51	1.03
4,781.00	1.14	299.62	4,778.16	-12.69	-31.81	14.64	96.00	301.19	0.42
4,877.00	1.19	288.90	4,874.14	-11.90	-33.59	13.96	96.00	294.14	0.23
4,971.00	1.05	293.91	4,968.12	-11.23	-35.30	13.40	94.00	291.25	0.18
5,066.00	1.10	282.57	5,063.10	-10.68	-36.98	12.96	95.00	288.11	0.23
5,160.00	0.92	269.83	5,157.09	-10.49	-38.62	12.87	94.00	276.77	0.31
5,254.00	0.92	266.93	5,251.07	-10.53	-40.13	13.00	94.00	268.38	0.05
5,349.00	0.88	264.38	5,346.06	-10.64	-41.61	13.21	95.00	265.68	0.06
5,444.00	1.14	266.31	5,441.05	-10.78	-43.28	13.44	95.00	265.47	0.28
5,538.00	0.97	263.85	5,535.03	-10.92	-45.01	13.69	94.00	265.18	0.19
5,632.00	1.19	264.12	5,629.02	-11.11	-46.77	13.99	94.00	264.00	0.23
5,728.00	0.97	248.38	5,725.00	-11.51	-48.52	14.50	96.00	257.06	0.38
5,823.00	1.19	231.77	5,819.98	-12.41	-50.04	15.50	95.00	239.22	0.40
5,918.00	1.32	228.96	5,914.96	-13.74	-51.64	16.92	95.00	230.29	0.15
6,012.00	1.10	225.71	6,008.94	-15.08	-53.10	18.35	94.00	227.48	0.25
6,106.00	1.36	226.15	6,102.92	-16.49	-54.55	19.84	94.00	225.95	0.28
6,202.00	1.32	211.91	6,198.89	-18.21	-55.96	21.65	96.00	219.14	0.35
6,298.00	1.49	211.82	6,294.86	-20.21	-57.20	23.73	96.00	211.86	0.18
6,391.00	1.45	207.34	6,387.83	-22.29	-58.38	25.87	93.00	209.61	0.13
6,486.00	1.49	214.11	6,482.80	-24.38	-59.62	28.03	95.00	210.77	0.19
6,582.00	1.89	218.59	6,578.76	-26.65	-61.31	30.40	96.00	216.62	0.44
6,675.00	1.98	218.24	6,671.70	-29.11	-63.26	32.98	93.00	218.41	0.10
6,771.00	1.05	266.31	6,767.67	-30.47	-65.17	34.46	96.00	234.48	1.56
6,865.00	1.23	270.80	6,861.65	-30.51	-67.03	34.61	94.00	268.73	0.21
6,959.00	1.23	265.79	6,955.63	-30.57	-69.05	34.80	94.00	268.30	0.11
7,054.00	1.67	259.37	7,050.60	-30.90	-71.43	35.27	95.00	262.09	0.49



Wellbenders End Of Well Report

Company: XTO Energy
Project: Eddy County, NM (Nad-27 / East Zone)
Site: Ross Draw 25-36 Fed West
Well: #101H
Wellbore: ST01
Design: ST01

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well #101H

RKB = 23' @ 2967.00usft (Frontier 17)
 RKB = 23' @ 2967.00usft (Frontier 17)
 Grid
 Minimum Curvature
 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)
7,149.00	1.58	302.35	7,145.57	-30.45	-73.89	34.98	95.00	280.24	1.26
7,245.00	2.64	329.77	7,241.50	-27.84	-76.13	32.51	96.00	319.57	1.50
7,340.00	2.81	343.22	7,336.40	-23.72	-77.90	28.51	95.00	336.71	0.69
7,435.00	2.51	351.13	7,431.29	-19.43	-78.89	24.29	95.00	346.95	0.50
7,530.00	2.73	338.30	7,526.20	-15.27	-80.05	20.21	95.00	344.44	0.66
7,624.00	3.74	354.38	7,620.05	-10.14	-81.18	15.16	94.00	347.60	1.43
7,719.00	5.10	329.59	7,714.77	-3.42	-83.62	8.60	95.00	340.05	2.44
7,812.00	5.41	338.21	7,807.38	4.22	-87.34	1.21	93.00	334.03	0.91
7,908.00	4.62	359.13	7,903.02	12.29	-89.08	-6.73	96.00	347.84	2.06
8,002.00	3.25	16.70	7,996.80	18.63	-88.37	-13.10	94.00	6.38	1.93
8,096.00	2.29	31.56	8,090.69	22.78	-86.62	-17.36	94.00	22.84	1.27
8,190.00	1.41	48.34	8,184.64	25.15	-84.77	-19.84	94.00	37.94	1.09
8,285.00	1.01	53.44	8,279.62	26.42	-83.23	-21.21	95.00	50.47	0.44
8,380.00	0.18	109.78	8,374.61	26.87	-82.41	-21.70	95.00	61.13	0.97
8,475.00	0.97	167.26	8,469.61	26.04	-82.10	-20.89	95.00	159.16	0.93
8,569.00	2.29	165.06	8,563.57	23.45	-81.44	-18.34	94.00	165.71	1.41
8,663.00	2.59	160.49	8,657.48	19.63	-80.24	-14.61	94.00	162.63	0.38
8,758.00	2.73	159.97	8,752.38	15.48	-78.75	-10.56	95.00	160.22	0.15
8,854.00	2.33	166.12	8,848.29	11.44	-77.50	-6.60	96.00	162.80	0.50
8,948.00	1.76	185.81	8,942.23	8.15	-77.19	-3.34	94.00	174.58	0.95
9,043.00	1.71	198.02	9,037.19	5.35	-77.77	-0.51	95.00	191.83	0.39
9,139.00	1.19	218.32	9,133.16	3.20	-78.84	1.70	96.00	206.33	0.75
9,233.00	1.10	212.00	9,227.14	1.67	-79.92	3.29	94.00	215.28	0.16
9,305.00	1.10	206.11	9,299.12	0.47	-80.59	4.54	72.00	209.06	0.16
9,487.00	5.98	190.11	9,480.72	-10.44	-83.02	15.58	182.00	192.58	2.71
9,519.00	4.75	186.51	9,512.58	-13.40	-83.47	18.56	32.00	188.52	3.98
9,543.00	1.85	165.50	9,536.54	-14.76	-83.48	19.92	24.00	180.66	12.89



Wellbenders End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #101H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB = 23' @ 2967.00usft (Frontier 17)
Site:	Ross Draw 25-36 Fed West	MD Reference:	RKB = 23' @ 2967.00usft (Frontier 17)
Well:	#101H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	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)
9,568.00	1.54	68.21	9,561.53	-15.03	-83.07	20.16	25.00	122.78	10.21
9,613.00	1.36	74.54	9,606.52	-14.66	-81.99	19.72	45.00	71.18	0.53
9,660.00	4.13	176.49	9,653.48	-16.20	-81.35	21.22	47.00	157.40	9.80
9,708.00	8.44	177.89	9,701.18	-21.45	-81.12	26.45	48.00	177.43	8.98
9,755.00	11.91	175.52	9,747.43	-29.73	-80.61	34.68	47.00	176.50	7.43
9,802.00	16.88	173.32	9,792.94	-41.35	-79.44	46.21	47.00	174.23	10.64
9,849.00	25.32	170.07	9,836.75	-58.06	-76.91	62.73	47.00	171.38	18.12
9,950.00	38.02	172.09	9,922.54	-110.36	-68.87	114.42	101.00	171.26	12.62
9,997.00	46.11	169.46	9,957.41	-141.40	-63.77	145.09	47.00	170.67	17.61
10,044.00	50.55	173.41	9,988.65	-176.10	-58.58	179.40	47.00	171.50	11.34
10,091.00	55.65	181.85	10,016.89	-213.59	-57.13	216.72	47.00	177.77	17.99
10,138.00	59.34	185.81	10,042.15	-253.12	-59.80	256.34	47.00	183.87	10.59
10,183.00	58.07	187.30	10,065.53	-291.32	-64.19	294.74	45.00	186.55	4.00
10,232.00	63.69	189.94	10,089.37	-333.61	-70.63	337.35	49.00	188.66	12.40
10,279.00	67.16	190.11	10,108.91	-375.70	-78.07	379.82	47.00	190.03	7.39
10,373.00	75.96	193.28	10,138.62	-462.91	-96.18	467.99	94.00	191.74	9.89
10,467.00	86.90	195.39	10,152.61	-552.81	-119.18	559.15	94.00	194.35	11.85
10,522.00	90.51	193.45	10,153.85	-606.06	-132.87	613.14	55.00	194.42	7.45
10,562.00	90.73	192.84	10,153.42	-645.01	-141.97	652.58	40.00	193.15	1.62
10,656.00	90.07	192.75	10,152.76	-736.67	-162.79	745.36	94.00	192.79	0.71
10,750.00	90.46	193.19	10,152.33	-828.27	-183.88	838.09	94.00	192.97	0.63
10,844.00	94.46	194.95	10,148.30	-919.34	-206.71	930.41	94.00	194.07	4.65
10,939.00	91.16	192.84	10,143.64	-1,011.44	-229.49	1,023.73	95.00	193.89	4.12
11,033.00	91.56	193.10	10,141.41	-1,103.01	-250.58	1,116.44	94.00	192.97	0.51
11,127.00	88.44	190.46	10,141.41	-1,195.01	-269.76	1,209.46	94.00	191.78	4.35
11,221.00	87.65	186.77	10,144.62	-1,287.88	-283.83	1,303.02	94.00	188.62	4.01
11,316.00	91.52	184.05	10,145.30	-1,382.43	-292.79	1,397.94	95.00	185.41	4.98



Wellbenders End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #101H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB = 23' @ 2967.00usft (Frontier 17)
Site:	Ross Draw 25-36 Fed West	MD Reference:	RKB = 23' @ 2967.00usft (Frontier 17)
Well:	#101H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	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)
11,410.00	89.36	182.64	10,144.58	-1,476.26	-298.27	1,491.93	94.00	183.34	2.74
11,504.00	92.44	186.24	10,143.10	-1,569.94	-305.54	1,585.88	94.00	184.44	5.04
11,598.00	86.90	181.67	10,143.65	-1,663.65	-312.02	1,679.82	94.00	183.96	7.64
11,692.00	87.38	181.85	10,148.34	-1,757.49	-314.91	1,773.65	94.00	181.76	0.55
11,786.00	86.81	182.03	10,153.10	-1,851.31	-318.09	1,867.49	94.00	181.94	0.64
11,880.00	91.91	182.38	10,154.15	-1,945.21	-321.70	1,961.43	94.00	182.21	5.44
11,974.00	92.40	183.70	10,150.62	-2,039.01	-326.68	2,055.36	94.00	183.04	1.50
12,068.00	91.65	183.61	10,147.29	-2,132.76	-332.67	2,149.30	94.00	183.65	0.80
12,163.00	91.82	183.70	10,144.42	-2,227.52	-338.72	2,244.25	95.00	183.65	0.20
12,257.00	88.97	183.87	10,143.77	-2,321.30	-344.93	2,338.24	94.00	183.79	3.04
12,351.00	87.87	182.29	10,146.36	-2,415.13	-349.98	2,432.20	94.00	183.08	2.05
12,445.00	88.70	181.94	10,149.17	-2,509.02	-353.45	2,526.12	94.00	182.11	0.96
12,539.00	92.00	182.82	10,148.60	-2,602.92	-357.35	2,620.09	94.00	182.38	3.63
12,633.00	93.41	183.26	10,144.16	-2,696.68	-362.33	2,713.98	94.00	183.04	1.57
12,729.00	93.41	183.34	10,138.45	-2,792.35	-367.84	2,809.81	96.00	183.30	0.08
12,822.00	90.86	180.44	10,134.99	-2,885.22	-370.91	2,902.68	93.00	181.89	4.15
12,916.00	93.41	182.20	10,131.49	-2,979.12	-373.07	2,996.54	94.00	181.32	3.30
13,010.00	86.81	176.66	10,131.31	-3,073.03	-372.13	3,090.20	94.00	179.43	9.16
13,105.00	90.59	179.21	10,133.46	-3,167.92	-368.71	3,184.70	95.00	177.94	4.80
13,199.00	92.26	180.09	10,131.12	-3,261.88	-368.14	3,278.45	94.00	179.65	2.01
13,293.00	89.23	179.48	10,129.90	-3,355.86	-367.79	3,372.22	94.00	179.78	3.29
13,387.00	90.46	181.23	10,130.16	-3,449.85	-368.37	3,466.07	94.00	180.36	2.28
13,481.00	90.51	181.41	10,129.36	-3,543.82	-370.54	3,559.99	94.00	181.32	0.20
13,575.00	90.20	181.94	10,128.78	-3,637.78	-373.28	3,653.94	94.00	181.68	0.65
13,669.00	90.33	182.47	10,128.34	-3,731.71	-376.90	3,747.91	94.00	182.20	0.58
13,763.00	91.34	182.64	10,126.97	-3,825.61	-381.09	3,841.89	94.00	182.55	1.09
13,858.00	92.53	183.43	10,123.77	-3,920.42	-386.12	3,936.83	95.00	183.03	1.50



Wellbenders End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #101H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB = 23' @ 2967.00usft (Frontier 17)
Site:	Ross Draw 25-36 Fed West	MD Reference:	RKB = 23' @ 2967.00usft (Frontier.17)
Well:	#101H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	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)
13,952.00	89.85	182.55	10,121.81	-4,014.26	-391.02	4,030.79	94.00	182.99	3.00
14,046.00	88.44	182.90	10,123.22	-4,108.14	-395.49	4,124.77	94.00	182.72	1.55
14,141.00	91.12	183.70	10,123.58	-4,202.97	-400.95	4,219.76	95.00	183.30	2.94
14,235.00	93.76	183.43	10,119.58	-4,296.70	-406.79	4,313.66	94.00	183.57	2.82
14,330.00	93.49	183.52	10,113.57	-4,391.33	-412.54	4,408.47	95.00	183.48	0.30
14,424.00	94.29	184.40	10,107.20	-4,484.89	-419.02	4,502.25	94.00	183.96	1.26
14,518.00	87.65	182.64	10,105.61	-4,578.64	-424.78	4,596.18	94.00	183.52	7.31
14,612.00	93.36	185.37	10,104.78	-4,672.36	-431.34	4,690.13	94.00	184.00	6.73
14,706.00	92.62	184.84	10,099.87	-4,765.86	-439.69	4,783.97	94.00	185.10	0.97
14,800.00	91.52	186.95	10,096.48	-4,859.30	-449.34	4,877.82	94.00	185.90	2.53
14,893.00	89.63	186.68	10,095.55	-4,951.63	-460.38	4,970.66	93.00	186.81	2.05
14,987.00	93.85	186.24	10,092.69	-5,044.97	-470.95	5,064.48	94.00	186.46	4.51
15,082.00	93.23	186.51	10,086.83	-5,139.20	-481.47	5,159.18	95.00	186.38	0.71
15,176.00	88.75	185.54	10,085.20	-5,232.64	-491.34	5,253.05	94.00	186.02	4.88
15,204.00	89.36	185.72	10,085.66	-5,260.50	-494.08	5,281.03	28.00	185.63	2.27
15,297.00	90.29	185.89	10,085.95	-5,353.03	-503.49	5,373.96	93.00	185.81	1.02
15,391.00	89.05	183.61	10,086.49	-5,446.69	-511.27	5,467.93	94.00	184.75	2.76
15,485.00	87.56	182.82	10,089.27	-5,540.50	-516.54	5,561.88	94.00	183.22	1.79
15,579.00	86.11	182.64	10,094.46	-5,634.25	-521.01	5,655.73	94.00	182.73	1.55
15,673.00	87.78	183.34	10,099.47	-5,727.98	-525.91	5,749.59	94.00	182.99	1.93
15,767.00	88.48	182.64	10,102.54	-5,821.80	-530.81	5,843.53	94.00	182.99	1.05
15,860.00	88.18	181.94	10,105.25	-5,914.69	-534.52	5,936.47	93.00	182.29	0.82
15,955.00	89.63	182.64	10,107.06	-6,009.59	-538.32	6,031.42	95.00	182.29	1.69
16,049.00	89.76	182.82	10,107.56	-6,103.48	-542.80	6,125.41	94.00	182.73	0.24
16,143.00	90.95	183.61	10,106.98	-6,197.33	-548.07	6,219.41	94.00	183.21	1.52
16,237.00	91.21	183.70	10,105.21	-6,291.12	-554.06	6,313.39	94.00	183.65	0.29
16,331.00	89.32	182.29	10,104.77	-6,384.99	-558.97	6,407.38	94.00	182.99	2.51



Wellbenders End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #101H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB = 23' @ 2967.00usft (Frontier 17)
Site:	Ross Draw 25-36 Fed West	MD Reference:	RKB = 23' @ 2967.00usft (Frontier 17)
Well:	#101H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	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)
16,425.00	91.52	183.34	10,104.08	-6,478.87	-563.59	6,501.36	94.00	182.81	2.59
16,519.00	91.87	183.26	10,101.30	-6,572.67	-568.99	6,595.32	94.00	183.30	0.38
16,613.00	91.65	184.57	10,098.42	-6,666.40	-575.41	6,689.27	94.00	183.92	1.41
16,707.00	90.37	184.05	10,096.76	-6,760.12	-582.47	6,783.24	94.00	184.31	1.47
16,801.00	89.85	183.26	10,096.58	-6,853.93	-588.46	6,877.24	94.00	183.65	1.01
16,895.00	88.22	182.11	10,098.16	-6,947.81	-592.87	6,971.21	94.00	182.69	2.12
16,989.00	90.59	182.73	10,099.14	-7,041.71	-596.84	7,065.18	94.00	182.42	2.61
17,083.00	91.82	183.70	10,097.16	-7,135.54	-602.11	7,159.16	94.00	183.21	1.67
17,176.00	92.97	184.49	10,093.28	-7,228.22	-608.74	7,252.07	93.00	184.09	1.50
17,185.00	93.14	184.40	10,092.80	-7,237.18	-609.44	7,261.05	9.00	184.45	2.14
17,240.00	93.14	184.40	10,089.78	-7,291.93	-613.65	7,315.97	55.00	184.40	0.00
Final Station Closure Distance= 7317.71 /Direction= 184.81 - Projection to Bit: 17240.00' MD/ 10089.78' TVD - TD: Latitude = 32.000372 / Longitude = -103.944193 - TD: Y= 364079.77 / X= 620631.35									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
17,240.00	10,089.78	-7,291.93	-613.65	Final Station Closure Distance= 7317.71 /Direction= 184.81
17,240.00	10,089.78	-7,291.93	-613.65	Projection to Bit: 17240.00' MD/ 10089.78' TVD
17,240.00	10,089.78	-7,291.93	-613.65	TD: Latitude = 32.000372 / Longitude = -103.944193
17,240.00	10,089.78	-7,291.93	-613.65	TD: Y= 364079.77 / X= 620631.35

Checked By: _____	Approved By: _____	Date: _____
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