

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-OCD ARTESIA
REC'D: 7/20/2020
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 30-015-45595	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP
⁴ Property Code 324930	⁵ Property Name ROSS DRAW 25-36 FED	⁶ Well Number 103H
⁷ OGRID No. 005380	⁸ Operator Name XTO ENERGY, INC.	⁹ Elevation 2,961'

¹⁰ Surface Location

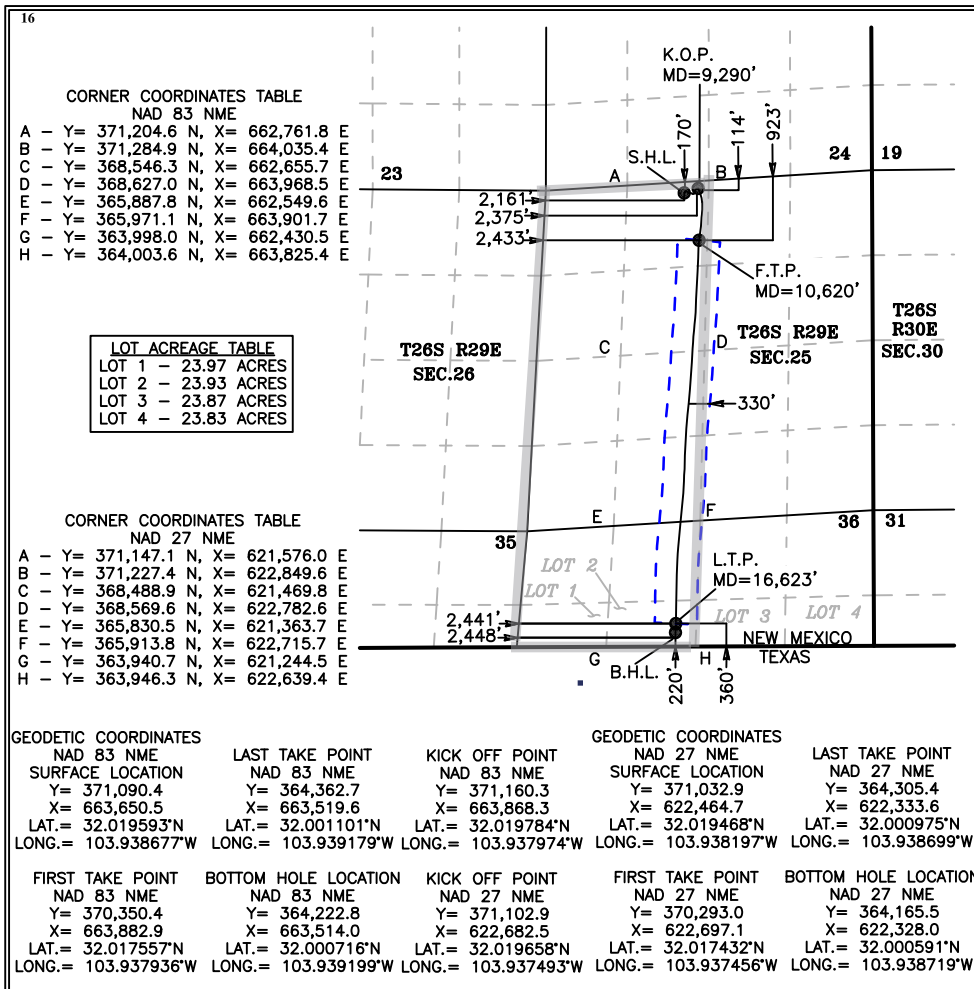
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	25	26 S	29 E		170	NORTH	2,161	WEST	EDDY

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
L2	36	26 S	29 E		220	SOUTH	2,448	WEST	EDDY

¹² Dedicated Acres 447.9	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 4/6/20
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.

3-31-2020

Date of Survey

Signature and Seal of
Professional Surveyor:

MARK DILLON HARP 23786
Certificate Number



JC

2018112764

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 **02/27/19** thru **03/04/19** and **06/24/19** thru **07/01/19** conduct or supervise the taking of a **MWD Survey** from a depth of **140'** to a depth of **2934'** and from **9291'** to a depth of **16763'**; 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 103H** API No. **30-015-45595** 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:
2019.12.12
14:45:41 -06'00'



True Performance
Directional Drilling
5075 E 52nd Street
Odessa, TX 79762
(281)-222-8366

To: New Mexico Energy, Minerals and
Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505 (505) 476-3220

Re: Certified Survey Report / **ROSS DRAW 25-36 FED 103H / 30-015-45595**

Via: Electronic Filing

True Performance Directional Drilling, respectfully submits for filing the required directional certified survey performed on the referenced well by True Performance Directional Drilling. Other information required by your office is as follows:

<u>Name & Title of Supervisor</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Greg Wilkie MWD Coordinator	OH 140' to 10265' ST 140' to 10597'	3-4-19 to 3-25-19	MWD

The directional MWD surveys performed by True Performance Directional Drilling are attached. A copy of the certified plat on which the final survey is drawn and the projected bottom-hole location is marked and identified is also attached.

Please file this certified survey report. If there are any questions or additional data required, please let me know at your earliest opportunity.

Thank You

Sincerely,

Greg Wilkie
MWD Operations Manager



Company: XTO Energy		Local Co-ordinate Reference: Well ROSS DRAW 25-36 FED 103H			
Project: Eddy County, NM (Nad-27 / East Zone)		TVD Reference: 2960+24 @ 2984.00usft (Hercules)			
Site: Ross Draw 25-36 Fed East		MD Reference: 2960+24 @ 2984.00usft (Hercules)			
Well: ROSS DRAW 25-36 FED 103H		Grid			
Wellbore: RD 25-36 Fed 103H ST		Minimum Curvature			
Design: RD 25-36 Fed 103H ST AsDrilled		WBDS_SQL_2			
Project Eddy County, NM (Nad-27 / East Zone)		System Datum: Mean Sea Level			
Map System: US State Plane 1927 (Exact solution)					
Geo Datum: NAD 1927 (NADCON CONUS)					
Map Zone: New Mexico East 3001					
Site Ross Draw 25-36 Fed East					
Site Position:		Northing: 371,027.10 usft Latitude: 32.019453			
From: Map		Easting: 622,374.30 usft Longitude: -103.938489			
Position Uncertainty: 0.00 usft		Slot Radius: 13.200 in Grid Convergence: 0.209 °			
Well ROSS DRAW 25-36 FED 103H					
Well Position		Northing: 371,032.90 usft Latitude: 32.019468			
+N/-S 0.00 usft		Easting: 622,464.70 usft Longitude: -103.938197			
+E/-W 0.00 usft		Wellhead Elevation: usft Ground Level: 2,960.00 usft			
Position Uncertainty					
Wellbore RD 25-36 Fed 103H ST					
Magnetics	Model Name	Sample Date	Dip Angle (°)	Field Strength (nT)	
	IGRF2015	6/22/2019	6.891	59.791	47,574.94294132
Design RD 25-36 Fed 103H ST AsDrilled					
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 9,278.00	
Vertical Section:		Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
		0.00	0.00	0.00	181.27



Wellbenders
End Of Well Report

Company: XTO Energy		Local Co-ordinate Reference: Well ROSS DRAW 25-36 FED 103H	
Project: Eddy County, NM (Nad-27 / East Zone)		TVD Reference: 2960+24 @ 2984.00usft (Hercules)	
Site: Ross Draw 25-36 Fed East		MD Reference: 2960+24 @ 2984.00usft (Hercules)	
Well: ROSS DRAW 25-36 FED 103H		North Reference: Grid	
Wellbore: RD 25-36 Fed 103H ST		Survey Calculation Method: Minimum Curvature	
Design: RD 25-36 Fed 103H ST AsDrilled		Database: WBDS_SQL_2	

Survey Program		Date	7/2/2019
From (usft)	To (usft)	Survey (Wellbore)	
140.00	2,934.00	Survey #1 Wbs (ROSS DRAW 25-36 FED	MWD
3,051.00	9,278.00	Survey #2 (ROSS DRAW 25-36 FED 103H	MWD
9,291.00	16,763.00	Survey #1 (RD 25-36 Fed 103H ST)	MWD

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
	140.00	0.20	197.30	140.00	-0.23	-0.07	0.23	140.00	197.30	0.14
	236.00	0.60	59.90	236.00	-0.14	0.31	0.13	96.00	76.55	0.79
	326.00	0.80	82.40	325.99	0.18	1.34	-0.21	90.00	72.78	0.37
	420.00	0.90	75.40	419.98	0.45	2.71	-0.51	94.00	78.69	0.15
	513.00	0.90	65.00	512.97	0.94	4.08	-1.03	93.00	70.20	0.18
	662.00	1.30	46.00	661.94	2.61	6.35	-2.75	149.00	53.76	0.36
	756.00	1.30	42.50	755.92	4.14	7.84	-4.31	94.00	44.25	0.08
	850.00	1.30	36.40	849.89	5.78	9.19	-5.99	94.00	39.45	0.15
	945.00	1.40	36.70	944.87	7.58	10.53	-7.81	95.00	36.56	0.11
	1,039.00	1.30	42.40	1,038.84	9.29	11.93	-9.55	94.00	39.44	0.18
	1,134.00	1.50	34.40	1,133.81	11.11	13.36	-11.41	95.00	38.11	0.29
	1,228.00	1.00	16.60	1,227.79	12.91	14.29	-13.23	94.00	27.29	0.67
	1,324.00	1.10	359.50	1,323.78	14.64	14.52	-14.96	96.00	7.64	0.34
	1,419.00	1.20	358.10	1,418.76	16.54	14.48	-16.86	95.00	358.77	0.11
	1,514.00	1.60	4.50	1,513.73	18.86	14.55	-19.18	95.00	1.76	0.45
	1,607.00	1.90	35.10	1,606.69	21.42	15.54	-21.75	93.00	21.14	1.04
	1,701.00	1.70	32.60	1,700.64	23.86	17.19	-24.24	94.00	33.92	0.23
	1,795.00	1.60	66.30	1,794.60	25.57	19.14	-25.99	94.00	48.92	1.02
	1,890.00	1.90	63.10	1,889.56	26.81	21.76	-27.29	95.00	64.56	0.33



Wellbenders

End Of Well Report

Company:		XTO Energy		Local Co-ordinate Reference:					Well ROSS DRAW 25-36 FED 103H		
Project:		Eddy County, NM (Nad-27 / East Zone)		TVD Reference:					2960+24 @ 2984.00ustf (Hercules)		
Site:		Ross Draw 25-36 Fed East		MD Reference:					2960+24 @ 2984.00ustf (Hercules)		
Well:		ROSS DRAW 25-36 FED 103H		North Reference:					Grid		
Wellbore:		RD 25-36 Fed 103H ST		Survey Calculation Method:					Minimum Curvature		
Design:		RD 25-36 Fed 103H ST AsDrilled		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)		
1,984.00	2.30	102.80	1,983.50	27.10	24.99	-27.65	94.00	84.92	1.57		
2,080.00	2.60	104.80	2,079.41	26.12	28.97	-26.75	96.00	103.86	0.32		
2,175.00	2.40	107.00	2,174.32	24.98	32.96	-25.71	95.00	105.86	0.23		
2,270.00	2.10	110.80	2,269.25	23.79	36.49	-24.59	95.00	108.77	0.35		
2,364.00	1.70	120.60	2,363.20	22.46	39.30	-23.33	94.00	115.18	0.55		
2,459.00	2.30	117.20	2,458.14	20.88	42.21	-21.81	95.00	118.65	0.64		
2,554.00	2.70	115.50	2,553.05	19.04	45.92	-20.05	95.00	116.28	0.43		
2,649.00	2.10	120.40	2,647.96	17.20	49.44	-18.29	95.00	117.64	0.67		
2,744.00	2.90	115.10	2,742.87	15.30	53.12	-16.47	95.00	117.33	0.88		
2,839.00	3.00	106.70	2,837.75	13.56	57.68	-14.84	95.00	110.83	0.47		
2,934.00	3.30	120.20	2,932.61	11.47	62.42	-12.85	95.00	113.77	0.84		
3,051.00	1.90	114.00	3,049.48	8.99	67.10	-10.47	117.00	117.93	1.22		
3,146.00	1.50	108.30	3,144.44	7.96	69.72	-9.50	95.00	111.49	0.46		
3,240.00	1.90	107.70	3,238.40	7.10	72.38	-8.70	94.00	107.96	0.43		
3,335.00	1.90	112.00	3,333.35	6.03	75.34	-7.70	95.00	109.85	0.15		
3,431.00	1.80	111.40	3,429.30	4.88	78.21	-6.62	96.00	111.71	0.11		
3,526.00	2.10	110.90	3,524.24	3.72	81.23	-5.52	95.00	111.13	0.32		
3,621.00	2.20	112.70	3,619.17	2.39	84.54	-4.27	95.00	111.82	0.13		
3,716.00	2.10	110.20	3,714.11	1.09	87.85	-3.04	95.00	111.48	0.14		
3,810.00	2.10	113.90	3,808.04	-0.20	91.04	-1.81	94.00	112.05	0.14		
3,904.00	2.20	109.40	3,901.98	-1.50	94.32	-0.59	94.00	111.60	0.21		
3,997.00	2.20	108.10	3,994.91	-2.65	97.70	0.48	93.00	108.75	0.05		
4,091.00	2.20	107.50	4,088.84	-3.75	101.14	1.51	94.00	107.80	0.02		
4,184.00	2.10	107.40	4,181.78	-4.80	104.47	2.48	93.00	107.45	0.11		
4,279.00	2.40	104.30	4,276.70	-5.81	108.05	3.41	95.00	105.75	0.34		
4,374.00	1.70	101.10	4,371.64	-6.57	111.36	4.10	95.00	102.97	0.75		
4,467.00	1.60	100.40	4,464.60	-7.07	114.00	4.54	93.00	100.76	0.11		



Wellbenders

End Of Well Report

Company: XTO Energy		Local Co-ordinate Reference: Well ROSS DRAW 25-36 FED 103H							
Project: Eddy County, NM (Nad-27 / East Zone)		TVD Reference: 2960+24 @ 2984.00ustf (Hercules)							
Site: Ross Draw 25-36 Fed East		MD Reference: 2960+24 @ 2984.00ustf (Hercules)							
Well: ROSS DRAW 25-36 FED 103H		North Reference: Grid							
Wellbore: RD 25-36 Fed 103H ST		Survey Calculation Method: Minimum Curvature							
Design: RD 25-36 Fed 103H ST AsDrilled		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)
4,562.00	1.50	105.40	4,559.57	-7.64	116.50	5.06	95.00	102.82	0.18
4,656.00	1.50	103.20	4,653.54	-8.25	118.88	5.61	94.00	104.30	0.06
4,749.00	1.50	110.30	4,746.50	-8.95	121.21	6.26	93.00	106.75	0.20
4,844.00	1.50	110.10	4,841.47	-9.81	123.54	7.07	95.00	110.20	0.01
4,938.00	1.50	121.90	4,935.44	-10.88	125.74	8.09	94.00	116.00	0.33
5,033.00	1.80	125.80	5,030.40	-12.41	128.01	9.57	95.00	124.03	0.34
5,126.00	1.10	114.90	5,123.37	-13.64	130.00	10.76	93.00	121.67	0.81
5,221.00	0.50	124.50	5,218.36	-14.26	131.17	11.35	95.00	117.90	0.64
5,314.00	0.50	142.20	5,311.36	-14.81	131.75	11.89	93.00	133.35	0.17
5,409.00	0.40	83.90	5,406.35	-15.10	132.34	12.17	95.00	116.60	0.47
5,503.00	0.70	56.70	5,500.35	-14.75	133.14	11.80	94.00	66.53	0.41
5,597.00	0.50	68.10	5,594.34	-14.28	134.01	11.31	94.00	61.45	0.25
5,691.00	0.40	98.90	5,688.34	-14.18	134.71	11.19	94.00	81.75	0.27
5,786.00	0.30	52.80	5,783.34	-14.08	135.24	11.08	95.00	79.33	0.30
5,881.00	0.30	40.30	5,878.34	-13.74	135.59	10.73	95.00	46.55	0.07
5,976.00	0.40	71.80	5,973.34	-13.45	136.07	10.43	95.00	58.36	0.22
6,071.00	0.50	78.90	6,068.33	-13.27	136.79	10.23	95.00	75.74	0.12
6,166.00	0.70	108.40	6,163.33	-13.37	137.75	10.31	95.00	96.16	0.38
6,260.00	0.80	92.60	6,257.32	-13.58	138.95	10.50	94.00	99.97	0.24
6,355.00	1.20	95.60	6,352.31	-13.71	140.60	10.59	95.00	94.40	0.42
6,450.00	1.50	82.70	6,447.28	-13.65	142.83	10.48	95.00	88.43	0.45
6,545.00	1.50	83.00	6,542.25	-13.34	145.29	10.11	95.00	82.85	0.01
6,640.00	1.30	87.50	6,637.22	-13.14	147.60	9.86	95.00	85.09	0.24
6,733.00	1.50	66.30	6,730.19	-12.60	149.77	9.28	93.00	76.13	0.59
6,826.00	1.50	62.60	6,823.16	-11.55	151.97	8.18	93.00	64.45	0.10
6,920.00	1.60	47.20	6,917.13	-10.10	154.02	6.68	94.00	54.65	0.45
7,014.00	1.50	54.70	7,011.09	-8.49	155.99	5.03	94.00	50.83	0.24



Wellbenders

End Of Well Report

Company: XTO Energy				Local Co-ordinate Reference:					
Project: Eddy County, NM (Nad-27 / East Zone)				TVD Reference:					
Site: Ross Draw 25-36 Fed East				MD Reference:					
Well: ROSS DRAW 25-36 FED 103H				North Reference:					
Wellbore: RD 25-36 Fed 103H ST				Survey Calculation Method:					
Design: RD 25-36 Fed 103H ST AsDrilled				Database:					
Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
7,108.00	1.50	73.70	7,105.06	-7.44	158.18	3.93	94.00	64.20	0.53
7,203.00	2.00	54.00	7,200.02	-6.11	160.71	2.55	95.00	62.43	0.82
7,297.00	1.70	41.00	7,293.97	-4.10	162.95	0.48	94.00	48.03	0.55
7,393.00	1.70	36.70	7,389.93	-1.88	164.74	-1.77	96.00	38.85	0.13
7,487.00	2.70	34.00	7,483.85	1.07	166.81	-4.77	94.00	35.04	1.07
7,580.00	2.90	19.50	7,576.74	5.11	168.82	-8.85	93.00	26.49	0.79
7,675.00	2.80	350.80	7,671.63	9.66	169.25	-13.41	95.00	5.41	1.49
7,769.00	3.80	338.50	7,765.48	14.83	167.74	-18.54	94.00	343.72	1.30
7,863.00	3.30	346.60	7,859.30	20.36	165.97	-24.03	94.00	342.26	0.75
7,958.00	3.00	4.10	7,954.15	25.50	165.52	-29.16	95.00	354.93	1.06
8,052.00	2.30	11.10	8,048.05	29.80	166.06	-33.47	94.00	7.14	0.82
8,146.00	2.50	17.00	8,141.97	33.61	167.02	-37.31	94.00	14.17	0.34
8,242.00	3.10	27.20	8,237.86	37.92	168.82	-41.66	96.00	22.65	0.81
8,336.00	4.10	32.50	8,331.67	43.02	171.78	-46.82	94.00	30.22	1.12
8,430.00	4.80	44.80	8,425.39	48.64	176.36	-52.54	94.00	39.13	1.26
8,524.00	4.60	55.10	8,519.07	53.59	182.22	-57.62	94.00	49.84	0.92
8,619.00	4.30	52.20	8,613.79	57.95	188.16	-62.11	95.00	53.70	0.39
8,714.00	4.00	55.80	8,708.54	62.00	193.72	-66.28	95.00	53.94	0.42
8,807.00	2.80	62.20	8,801.37	64.88	198.41	-69.26	93.00	58.44	1.35
8,902.00	1.90	69.60	8,896.29	66.51	201.94	-70.97	95.00	65.19	1.00
8,995.00	2.20	77.00	8,989.23	67.45	205.12	-71.98	93.00	73.57	0.43
9,090.00	2.50	89.10	9,084.15	67.89	208.97	-72.51	95.00	83.44	0.61
9,184.00	2.70	77.20	9,178.06	68.42	213.18	-73.12	94.00	82.92	0.61
9,278.00	2.60	64.80	9,271.96	69.81	217.27	-74.61	94.00	71.12	0.62
9,291.00	2.80	86.70	9,284.94	69.96	217.85	-74.77	13.00	76.16	8.03
9,323.00	6.80	150.90	9,316.84	68.35	219.55	-73.20	32.00	133.42	19.13
9,354.00	11.60	160.90	9,347.44	63.80	221.47	-68.69	31.00	157.20	16.26



Wellbenders

End Of Well Report

Company: XTO Energy				Local Co-ordinate Reference:					
Project: Eddy County, NM (Nad-27 / East Zone)				TVD Reference:					
Site: Ross Draw 25-36 Fed East				MD Reference:					
Well: ROSS DRAW 25-36 FED 103H				North Reference:					
Wellbore: RD 25-36 Fed 103H ST				Survey Calculation Method:					
Design: RD 25-36 Fed 103H ST AsDrilled				Database:					
Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
9,385.00	14.00	162.90	9,377.66	57.27	223.59	-62.21	31.00	161.99	7.87
9,416.00	15.30	157.50	9,407.66	49.90	226.26	-54.90	31.00	160.08	6.08
9,447.00	16.80	156.60	9,437.45	42.01	229.60	-47.09	31.00	157.03	4.90
9,479.00	18.50	158.10	9,467.94	33.06	233.33	-38.22	32.00	157.38	5.50
9,510.00	20.80	157.80	9,497.13	23.39	237.25	-28.65	31.00	157.94	7.43
9,541.00	23.30	158.70	9,525.86	12.58	241.56	-17.94	31.00	158.27	8.14
9,572.00	24.00	159.00	9,554.26	0.99	246.04	-6.44	31.00	158.85	2.29
9,603.00	25.30	159.90	9,582.44	-11.12	250.58	5.56	31.00	159.46	4.36
9,634.00	27.30	161.40	9,610.23	-24.08	255.12	18.42	31.00	160.68	6.80
9,665.00	28.70	163.60	9,637.60	-37.96	259.49	32.20	31.00	162.53	5.61
9,697.00	28.60	162.80	9,665.68	-52.65	263.93	46.78	32.00	163.20	1.24
9,728.00	28.50	166.20	9,692.91	-66.92	267.89	60.96	31.00	164.50	5.25
9,759.00	29.00	169.40	9,720.09	-81.49	271.03	75.46	31.00	167.81	5.22
9,791.00	29.70	169.40	9,747.98	-96.90	273.92	90.81	32.00	169.40	2.19
9,823.00	29.30	171.60	9,775.84	-112.44	276.52	106.29	32.00	170.49	3.61
9,854.00	30.80	173.60	9,802.67	-127.84	278.51	121.63	31.00	172.62	5.82
9,886.00	32.50	175.60	9,829.91	-144.55	280.09	138.31	32.00	174.62	6.24
9,917.00	33.50	176.00	9,855.91	-161.39	281.32	155.11	31.00	175.80	3.30
9,948.00	35.70	177.40	9,881.42	-178.96	282.33	172.66	31.00	176.72	7.55
9,979.00	38.50	179.60	9,906.15	-197.65	282.81	191.33	31.00	178.54	9.99
10,010.00	41.50	180.30	9,929.89	-217.57	282.82	211.25	31.00	179.96	9.79
10,042.00	44.10	180.90	9,953.37	-239.31	282.59	232.99	32.00	180.61	8.22
10,088.00	46.10	182.60	9,985.84	-271.88	281.59	265.57	46.00	181.76	5.07
10,135.00	49.00	184.70	10,017.56	-306.48	279.36	300.21	47.00	183.67	7.00
10,181.00	52.50	186.10	10,046.66	-341.93	276.00	335.73	46.00	185.42	7.97
10,229.00	55.20	185.80	10,074.97	-380.48	271.99	374.36	48.00	185.95	5.65
10,277.00	57.70	184.60	10,101.50	-420.32	268.37	414.26	48.00	185.19	5.61



Wellbenders

End Of Well Report

Company:		XTO Energy		Local Co-ordinate Reference:						
Project:		Eddy County, NM (Nad-27 / East Zone)		TVD Reference:						
Site:		Ross Draw 25-36 Fed East		MD Reference:						
Well:		ROSS DRAW 25-36 FED 103H		North Reference:						
Wellbore:		RD 25-36 Fed 103H ST		Survey Calculation Method:						
Design:		RD 25-36 Fed 103H ST AsDrilled		Database:						
Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
10,323.00	60.40	183.70	10,125.16	-459.66	265.52	453.66	46.00	184.14	6.10	
10,369.00	64.50	184.60	10,146.43	-500.33	262.56	494.38	46.00	184.16	9.08	
10,418.00	69.50	185.70	10,165.57	-545.23	258.50	539.37	49.00	185.16	10.41	
10,463.00	73.60	187.70	10,179.81	-587.62	253.52	581.85	45.00	186.71	10.04	
10,512.00	77.60	187.80	10,191.99	-634.63	247.12	629.00	49.00	187.75	8.17	
10,542.00	78.60	188.40	10,198.18	-663.69	242.98	658.15	30.00	188.10	3.87	
10,617.00	82.46	187.69	10,210.51	-736.93	232.63	731.59	75.00	188.04	5.23	
10,712.00	89.17	182.64	10,217.45	-831.21	224.13	826.04	95.00	185.15	8.83	
10,806.00	91.27	182.01	10,217.09	-925.13	220.31	920.02	94.00	182.33	2.33	
10,900.00	91.27	181.70	10,215.00	-1,019.05	217.27	1,013.99	94.00	181.85	0.33	
10,995.00	93.55	183.44	10,211.01	-1,113.86	213.02	1,108.87	95.00	182.57	3.02	
11,089.00	91.70	182.43	10,206.70	-1,207.64	208.21	1,202.73	94.00	182.93	2.24	
11,183.00	91.58	181.19	10,204.01	-1,301.55	205.24	1,296.68	94.00	181.81	1.32	
11,278.00	92.40	184.35	10,200.71	-1,396.37	200.66	1,391.58	95.00	182.77	3.43	
11,371.00	91.02	183.97	10,197.94	-1,489.08	193.91	1,484.42	93.00	184.16	1.54	
11,466.00	88.50	182.47	10,198.34	-1,583.92	188.58	1,579.35	95.00	183.22	3.09	
11,560.00	88.75	182.04	10,200.59	-1,677.82	184.88	1,673.31	94.00	182.25	0.53	
11,655.00	90.24	181.89	10,201.43	-1,772.76	181.62	1,768.29	95.00	181.96	1.58	
11,749.00	91.36	183.27	10,200.12	-1,866.65	177.39	1,862.26	94.00	182.58	1.89	
11,844.00	89.79	185.22	10,199.16	-1,961.37	170.36	1,957.12	95.00	184.25	2.64	
11,938.00	90.69	185.43	10,198.77	-2,054.97	161.64	2,050.88	94.00	185.32	0.98	
12,033.00	91.44	185.44	10,197.00	-2,149.52	152.64	2,145.61	95.00	185.43	0.79	
12,127.00	89.87	184.39	10,195.93	-2,243.17	144.59	2,239.41	94.00	184.91	2.01	
12,221.00	90.10	183.88	10,195.95	-2,336.92	137.81	2,333.29	94.00	184.13	0.60	
12,316.00	90.69	183.20	10,195.30	-2,431.74	131.94	2,428.22	95.00	183.54	0.95	
12,411.00	91.08	183.22	10,193.83	-2,526.58	126.63	2,523.15	95.00	183.21	0.41	
12,505.00	91.92	183.44	10,191.37	-2,620.39	121.17	2,617.06	94.00	183.33	0.92	



Wellbenders

End Of Well Report

Company: XTO Energy		Local Co-ordinate Reference: Well ROSS DRAW 25-36 FED 103H							
Project: Eddy County, NM (Nad-27 / East Zone)		TVD Reference: 2960+24 @ 2984.00ustf (Hercules)							
Site: Ross Draw 25-36 Fed East		MD Reference: 2960+24 @ 2984.00ustf (Hercules)							
Well: ROSS DRAW 25-36 FED 103H		North Reference: Grid							
Wellbore: RD 25-36 Fed 103H ST		Survey Calculation Method: Minimum Curvature							
Design: RD 25-36 Fed 103H ST AsDrilled		Database: WBDS_SQL_2							
Survey									
MD (ustf)	Inc (°)	Azi (azimuth) (°)	TVD (ustf)	N/S (ustf)	E/W (ustf)	V. Sec (ustf)	CL (ustf)	CL Azi (°)	DLeg (°/100ft)
12,600.00	92.26	183.80	10,187.91	-2,715.13	115.17	2,711.91	95.00	183.62	0.52
12,694.00	91.89	184.67	10,184.50	-2,808.81	108.24	2,805.72	94.00	184.24	1.01
12,788.00	91.36	184.42	10,181.84	-2,902.48	100.79	2,899.53	94.00	184.54	0.62
12,883.00	90.49	183.65	10,180.30	-2,997.23	94.11	2,994.41	95.00	184.03	1.22
12,977.00	90.55	183.58	10,179.45	-3,091.04	88.18	3,088.33	94.00	183.62	0.10
13,072.00	89.68	186.09	10,179.26	-3,185.69	80.17	3,183.13	95.00	184.84	2.80
13,166.00	89.45	185.83	10,179.97	-3,279.18	70.41	3,276.82	94.00	185.96	0.37
13,261.00	88.73	185.51	10,181.48	-3,373.70	61.03	3,371.52	95.00	185.67	0.83
13,355.00	88.14	185.37	10,184.05	-3,467.25	52.12	3,465.24	94.00	185.44	0.65
13,450.00	88.31	185.78	10,186.99	-3,561.75	42.90	3,559.92	95.00	185.58	0.47
13,544.00	91.02	183.90	10,187.54	-3,655.40	34.97	3,653.73	94.00	184.84	3.51
13,639.00	89.93	182.63	10,186.75	-3,750.24	29.56	3,748.66	95.00	183.26	1.76
13,733.00	92.42	184.64	10,184.83	-3,844.02	23.60	3,842.55	94.00	183.63	3.40
13,828.00	91.47	183.20	10,181.60	-3,938.74	17.11	3,937.39	95.00	183.92	1.82
13,922.00	87.52	180.95	10,182.43	-4,032.65	13.71	4,031.35	94.00	182.08	4.84
14,016.00	90.07	182.11	10,184.41	-4,126.58	11.20	4,125.32	94.00	181.53	2.98
14,111.00	88.00	181.35	10,186.01	-4,221.52	8.33	4,220.30	95.00	181.73	2.32
14,205.00	91.75	183.13	10,186.21	-4,315.43	4.66	4,314.27	94.00	182.24	4.42
14,299.00	91.11	183.22	10,183.87	-4,409.26	-0.55	4,408.18	94.00	183.18	0.69
14,394.00	89.99	182.05	10,182.95	-4,504.15	-4.92	4,503.15	95.00	182.63	1.70
14,488.00	89.51	182.41	10,183.36	-4,598.08	-8.57	4,597.14	94.00	182.23	0.64
14,582.00	90.83	184.94	10,183.09	-4,691.87	-14.60	4,691.04	94.00	183.67	3.04
14,676.00	90.15	185.07	10,182.28	-4,785.51	-22.80	4,784.84	94.00	185.01	0.74
14,770.00	89.73	185.15	10,182.38	-4,879.14	-31.17	4,878.63	94.00	185.11	0.45
14,864.00	90.85	186.63	10,181.90	-4,972.63	-40.82	4,972.32	94.00	185.89	1.97
14,959.00	89.34	185.26	10,181.75	-5,067.12	-50.66	5,067.00	95.00	185.94	2.15
15,053.00	87.94	184.78	10,183.98	-5,160.73	-58.88	5,160.77	94.00	185.02	1.57



Wellbenders

End Of Well Report

Company: XTO Energy			Local Co-ordinate Reference: Well ROSS DRAW 25-36 FED 103H						
Project: Eddy County, NM (Nad-27 / East Zone)			TVD Reference: 2960+24 @ 2984.00ustf (Hercules)						
Site: Ross Draw 25-36 Fed East			MD Reference: 2960+24 @ 2984.00ustf (Hercules)						
Well: ROSS DRAW 25-36 FED 103H			North Reference: Grid						
Wellbore: RD 25-36 Fed 103H ST			Survey Calculation Method: Minimum Curvature						
Design: RD 25-36 Fed 103H ST AsDrilled			Database: WBDS_SQL_2						
Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CLAzi (°)	DLeg (°/100ft)
15,148.00	91.58	183.87	10,184.38	-5,255.44	-66.04	5,255.61	95.00	184.32	3.95
15,243.00	93.41	187.48	10,180.24	-5,349.87	-75.42	5,350.22	95.00	185.67	4.26
15,337.00	91.02	185.55	10,176.61	-5,443.18	-86.08	5,443.75	94.00	186.51	3.27
15,432.00	89.03	184.23	10,176.56	-5,537.82	-94.17	5,538.55	95.00	184.89	2.51
15,526.00	89.20	184.07	10,178.02	-5,631.57	-100.98	5,632.42	94.00	184.15	0.25
15,621.00	87.07	182.85	10,181.11	-5,726.34	-106.71	5,727.29	95.00	183.46	2.58
15,715.00	90.21	182.48	10,183.34	-5,820.20	-111.08	5,821.23	94.00	182.66	3.36
15,810.00	91.53	182.14	10,181.90	-5,915.11	-114.90	5,916.20	95.00	182.31	1.43
15,904.00	90.99	181.47	10,179.83	-6,009.04	-117.86	6,010.17	94.00	181.80	0.92
15,998.00	93.77	181.47	10,175.93	-6,102.91	-120.27	6,104.08	94.00	181.47	2.96
16,093.00	92.20	180.95	10,170.98	-6,197.76	-122.28	6,198.95	95.00	181.21	1.74
16,187.00	89.62	180.09	10,169.49	-6,291.74	-123.13	6,292.92	94.00	180.52	2.89
16,282.00	91.89	181.31	10,168.23	-6,386.71	-124.29	6,387.90	95.00	180.70	2.71
16,376.00	91.11	180.61	10,165.77	-6,480.67	-125.86	6,481.86	94.00	180.96	1.11
16,469.00	90.57	180.04	10,164.41	-6,573.65	-126.39	6,574.84	93.00	180.32	0.84
16,564.00	91.50	182.45	10,162.69	-6,668.61	-128.45	6,669.82	95.00	181.24	2.72
16,659.00	91.39	182.64	10,160.30	-6,763.48	-132.67	6,764.76	95.00	182.55	0.23
16,713.00	90.46	182.08	10,159.43	-6,817.43	-134.89	6,818.75	54.00	182.36	2.01
16,763.00	90.46	182.08	10,159.03	-6,867.40	-136.71	6,868.74	50.00	182.08	0.00
Final Station Closure Distance= 6868.76 /Direction= 181.14 - Projection to Bit: 16763.00' MD/ 10159.03' TVD - TD: Latitude = 32.000591 / Longitude = -103.938719 - TD: Y= 364165.50 / X= 622327.99									



Company: Project: Site: Well: Wellbore: Design:	XTO Energy Eddy County, NM (Nad-27 / East Zone) Ross Draw 25-36 Fed East ROSS DRAW 25-36 FED 103H RD 25-36 Fed 103H ST RD 25-36 Fed 103H ST AsDrilled	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: Database:	Well ROSS DRAW 25-36 FED 103H 2960+24 @ 2984.00usft (Hercules) 2960+24 @ 2984.00usft (Hercules) Grid Minimum Curvature WBDS_SQL_2
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Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
16,763.00	10,159.03	-6,867.40	-136.71	Final Station Closure Distance= 6868.76 /Direction= 181.14
16,763.00	10,159.03	-6,867.40	-136.71	Projection to Bit: 16763.00' MD/ 10159.03' TVD
16,763.00	10,159.03	-6,867.40	-136.71	TD: Latitude = 32.000591 / Longitude = -103.938719
16,763.00	10,159.03	-6,867.40	-136.71	TD: Y= 364165.50 / X= 622327.99

Checked By: _____

Approved By: _____

Date: _____