

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- 45585	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)
⁴ Property Code 324930	⁵ Property Name ROSS DRAW 25-36 FED Com	⁶ Well Number 102H
⁷ OGRID No. 005380	⁸ Operator Name XTO ENERGY, INC.	⁹ Elevation 2,959'

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	2,071	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		222	SOUTH	1,616	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

¹⁶ GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 371,084.5 X= 663,560.1 LAT.= 32.019578°N LONG.= 103.938969°W K.O.P. NAD 83 NME Y= 371,179.1 X= 663,168.5 LAT.= 32.019842°N LONG.= 103.940232°W FIRST TAKE POINT NAD 83 NME Y= 370,547.7 X= 663,051.0 LAT.= 32.018108°N LONG.= 103.940618°W LAST TAKE POINT NAD 83 NME Y= 364,366.5 X= 662,681.8 LAT.= 32.001120°N LONG.= 103.941882°W BOTTOM HOLE LOCATION NAD 83 NME Y= 364,220.7 X= 662,677.9 LAT.= 32.000719°N LONG.= 103.941896°W GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 371,027.1 X= 622,374.3 LAT.= 32.019453°N LONG.= 103.938489°W K.O.P. NAD 27 NME Y= 371,121.6 X= 621,982.7 LAT.= 32.019717°N LONG.= 103.939751°W FIRST TAKE POINT NAD 27 NME Y= 370,490.3 X= 621,865.2 LAT.= 32.017982°N LONG.= 103.940138°W LAST TAKE POINT NAD 27 NME Y= 364,309.2 X= 621,495.8 LAT.= 32.000994°N LONG.= 103.941402°W BOTTOM HOLE LOCATION NAD 27 NME Y= 364,163.4 X= 621,491.9 LAT.= 32.000593°N LONG.= 103.941416°W LOT ACREAGE TABLE SECTION 36 LOT 1 - 23.97 LOT 2 - 23.93 LOT 3 - 23.87 LOT 4 - 23.83 SECTION 35 LOT 12 - 23.94 CORNER COORDINATES TABLE NAD 83 NME A - Y= 371,204.6 N, X= 662,761.8 E B - Y= 371,284.9 N, X= 664,035.4 E C - Y= 368,546.3 N, X= 662,655.7 E D - Y= 368,627.0 N, X= 663,968.5 E E - Y= 365,887.8 N, X= 662,549.6 E F - Y= 365,971.1 N, X= 663,901.7 E G - Y= 363,998.0 N, X= 662,430.5 E H - Y= 364,003.6 N, X= 663,825.4 E CORNER COORDINATES TABLE NAD 27 NME A - Y= 371,147.1 N, X= 621,576.0 E B - Y= 371,227.4 N, X= 622,849.6 E C - Y= 368,488.9 N, X= 621,469.8 E D - Y= 368,569.6 N, X= 622,782.6 E E - Y= 365,830.5 N, X= 621,363.7 E F - Y= 365,913.8 N, X= 622,715.7 E G - Y= 363,940.7 N, X= 621,244.5 E H - Y= 363,946.3 N, X= 622,639.4 E		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. <i>Cheryl Rowell</i> 2/5/20 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. 2-3-2020 Date of Survey Signature and Seal of Professional Surveyor: <i>Mark Dillon Harp</i> MARK DILLON HARP 23786 PROFESSIONAL SURVEYOR MARK DILLON HARP 23786 Certificate Number RR/JC 2018112761
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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 **05/03/19** thru **05/29/19** conduct or supervise the taking of a **MWD Survey** from a depth of **196'** to a depth of **16880'**; 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 102H** API No. **30-015-45585** 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
13:27:37 -06'00'

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



Wellbenders End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well ROSS DRAW 25-36 FED 102H
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 102H	North Reference:	Grid
Wellbore:	ROSS DRAW 25-36 FED 102H	Survey Calculation Method:	Minimum Curvature
Design:	ROSS DRAW 25-36 FED 102H	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 East		
Site Position:		Northing:	371,027.10 usft
From:	Map	Easting:	622,374.30 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	32.019453
		Longitude:	-103.938489
		Grid Convergence:	0.209 °

Well		ROSS DRAW 25-36 FED 102H				
Well Position	+N/-S	0.00 usft	Northing:	371,027.10 usft	Latitude:	32.019453
	+E/-W	0.00 usft	Easting:	622,374.30 usft	Longitude:	-103.938489
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	2,960.00 usft

Wellbore	ROSS DRAW 25-36 FED 102H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	5/1/2019	6.906	59.792	47,589.45122967

Design	ROSS DRAW 25-36 FED 102H			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	187.50

Survey Program	Date	5/30/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
196.00	16,880.00	Survey #1 (ROSS DRAW 25-36 FED 102H)	WBDS_IGRF	OWSG MWD + IGRF or WMM



Wellbenders End Of Well Report

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Well:	ROSS DRAW 25-36 FED 102H	North Reference:	Grid
Wellbore:	ROSS DRAW 25-36 FED 102H	Survey Calculation Method:	Minimum Curvature
Design:	ROSS DRAW 25-36 FED 102H	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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
196.00	1.19	300.70	195.99	1.04	-1.75	-0.80	196.00	300.70	0.61
246.00	0.84	286.55	245.98	1.41	-2.55	-1.06	50.00	294.85	0.86
339.00	0.57	305.45	338.97	1.87	-3.58	-1.39	93.00	294.17	0.38
399.00	0.48	341.13	398.97	2.28	-3.90	-1.75	60.00	321.71	0.55
492.00	0.75	9.96	491.96	3.25	-3.92	-2.71	93.00	358.77	0.43
577.00	1.27	6.00	576.95	4.73	-3.73	-4.21	85.00	7.47	0.62
688.00	1.14	6.00	687.93	7.06	-3.48	-6.54	111.00	6.00	0.12
782.00	1.01	331.73	781.91	8.72	-3.78	-8.15	94.00	349.93	0.69
876.00	1.49	298.50	875.89	10.03	-5.25	-9.26	94.00	311.84	0.90
971.00	1.10	287.78	970.86	10.90	-7.20	-9.86	95.00	293.95	0.48
1,065.00	0.70	260.45	1,064.85	11.08	-8.62	-9.86	94.00	277.21	0.61
1,160.00	0.88	289.89	1,159.84	11.23	-9.88	-9.84	95.00	276.88	0.46
1,255.00	1.23	271.17	1,254.83	11.50	-11.59	-9.89	95.00	278.96	0.51
1,351.00	1.41	257.99	1,350.80	11.27	-13.77	-9.38	96.00	264.13	0.37
1,445.00	2.02	261.33	1,444.76	10.78	-16.54	-8.53	94.00	259.96	0.66
1,539.00	1.80	267.22	1,538.71	10.46	-19.66	-7.81	94.00	264.11	0.31
1,633.00	1.27	274.42	1,632.67	10.47	-22.17	-7.49	94.00	270.20	0.60
1,727.00	1.19	265.11	1,726.65	10.47	-24.18	-7.22	94.00	269.92	0.23
1,821.00	0.92	271.35	1,820.64	10.40	-25.91	-6.93	94.00	267.83	0.31
1,916.00	0.88	290.59	1,915.62	10.68	-27.35	-7.02	95.00	280.75	0.32
2,011.00	0.92	262.29	2,010.61	10.83	-28.79	-6.98	95.00	276.12	0.46
2,106.00	0.92	235.14	2,105.60	10.29	-30.17	-6.27	95.00	248.71	0.45
2,202.00	0.70	242.78	2,201.59	9.58	-31.33	-5.41	96.00	238.44	0.25
2,295.00	1.05	248.58	2,294.58	9.01	-32.62	-4.68	93.00	246.26	0.39
2,389.00	1.01	253.42	2,388.57	8.46	-34.22	-3.92	94.00	250.95	0.10
2,484.00	0.66	149.00	2,483.56	7.75	-34.74	-3.15	95.00	216.33	1.41



Wellbenders End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well ROSS DRAW 25-36 FED 102H
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 102H	North Reference:	Grid
Wellbore:	ROSS DRAW 25-36 FED 102H	Survey Calculation Method:	Minimum Curvature
Design:	ROSS DRAW 25-36 FED 102H	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)	
2,578.00	1.89	124.92	2,577.54	6.40	-33.19	-2.02	94.00	131.09	1.40	
2,673.00	1.98	123.95	2,672.48	4.59	-30.55	-0.56	95.00	124.42	0.10	
2,768.00	3.21	116.22	2,767.38	2.50	-26.80	1.02	95.00	119.17	1.34	
2,863.00	3.30	122.46	2,862.23	-0.15	-22.10	3.03	95.00	119.38	0.38	
2,957.00	2.20	128.08	2,956.12	-2.71	-18.40	5.09	94.00	124.71	1.20	
3,118.00	1.10	214.66	3,117.07	-5.89	-16.85	8.04	161.00	153.94	1.49	
3,213.00	1.58	247.53	3,212.04	-7.14	-18.58	9.50	95.00	234.12	0.93	
3,308.00	1.36	255.61	3,307.01	-7.92	-20.88	10.58	95.00	251.27	0.32	
3,403.00	1.45	250.52	3,401.98	-8.60	-23.10	11.54	95.00	252.98	0.16	
3,499.00	2.07	285.50	3,497.94	-8.54	-25.92	11.85	96.00	271.19	1.26	
3,594.00	2.33	296.66	3,592.87	-7.22	-29.30	10.98	95.00	291.41	0.53	
3,688.00	2.55	292.88	3,686.79	-5.55	-32.93	9.80	94.00	294.68	0.29	
3,782.00	2.29	290.33	3,780.70	-4.08	-36.62	8.83	94.00	291.67	0.30	
3,875.00	2.33	288.75	3,873.63	-2.83	-40.15	8.04	93.00	289.53	0.08	
3,969.00	2.24	292.97	3,967.55	-1.50	-43.65	7.18	94.00	290.82	0.20	
4,062.00	2.24	284.62	4,060.48	-0.33	-47.09	6.47	93.00	288.80	0.35	
4,157.00	2.33	286.82	4,155.41	0.70	-50.73	5.93	95.00	285.74	0.13	
4,252.00	2.07	285.06	4,250.34	1.70	-54.24	5.39	95.00	285.99	0.28	
4,345.00	2.29	287.43	4,343.27	2.70	-57.63	4.85	93.00	286.30	0.26	
4,440.00	2.51	288.75	4,438.19	3.93	-61.41	4.12	95.00	288.12	0.24	
4,533.00	2.68	280.84	4,531.09	5.00	-65.48	3.59	93.00	284.67	0.43	
4,627.00	2.68	279.78	4,624.99	5.78	-69.80	3.38	94.00	280.31	0.05	
4,722.00	2.86	287.52	4,719.88	6.87	-74.25	2.88	95.00	283.78	0.44	
4,816.00	2.64	281.98	4,813.77	8.03	-78.60	2.30	94.00	284.86	0.37	
4,911.00	2.64	283.48	4,908.67	8.99	-82.87	1.90	95.00	282.73	0.07	
5,004.00	2.73	287.43	5,001.57	10.16	-87.07	1.29	93.00	285.49	0.22	
5,099.00	2.81	284.62	5,096.45	11.42	-91.48	0.62	95.00	286.00	0.17	



Wellbenders End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well ROSS DRAW 25-36 FED 102H
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 102H	North Reference:	Grid
Wellbore:	ROSS DRAW 25-36 FED 102H	Survey Calculation Method:	Minimum Curvature
Design:	ROSS DRAW 25-36 FED 102H	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)	
5,192.00	2.64	280.05	5,189.35	12.37	-95.79	0.24	93.00	282.41	0.30	
5,287.00	3.65	286.90	5,284.21	13.63	-100.84	-0.35	95.00	284.03	1.13	
5,381.00	3.96	288.66	5,378.00	15.54	-106.78	-1.47	94.00	287.82	0.35	
5,475.00	3.74	285.50	5,471.79	17.40	-112.81	-2.53	94.00	287.13	0.33	
5,569.00	3.74	284.88	5,565.59	19.00	-118.72	-3.35	94.00	285.19	0.04	
5,664.00	3.91	281.10	5,660.37	20.42	-124.90	-3.95	95.00	282.95	0.32	
5,759.00	3.69	284.09	5,755.17	21.79	-131.04	-4.50	95.00	282.55	0.31	
5,854.00	3.65	280.66	5,849.97	23.09	-136.98	-5.02	95.00	282.38	0.23	
5,949.00	3.52	283.74	5,944.79	24.35	-142.78	-5.50	95.00	282.17	0.24	
6,044.00	3.12	283.74	6,039.63	25.65	-148.13	-6.10	95.00	283.74	0.42	
6,138.00	3.87	287.52	6,133.45	27.22	-153.64	-6.93	94.00	285.83	0.83	
6,233.00	4.13	286.90	6,228.22	29.18	-159.97	-8.05	95.00	287.20	0.28	
6,328.00	4.44	283.65	6,322.95	31.04	-166.81	-9.00	95.00	285.22	0.41	
6,423.00	4.26	281.01	6,417.68	32.58	-173.85	-9.61	95.00	282.36	0.28	
6,518.00	4.31	282.33	6,512.41	34.02	-180.80	-10.13	95.00	281.67	0.12	
6,611.00	4.31	276.97	6,605.15	35.19	-187.68	-10.39	93.00	279.65	0.43	
6,704.00	4.62	282.07	6,697.87	36.39	-194.82	-10.66	93.00	279.61	0.54	
6,798.00	4.62	283.21	6,791.56	38.05	-202.20	-11.33	94.00	282.64	0.10	
6,892.00	4.48	277.85	6,885.27	39.42	-209.53	-11.73	94.00	280.57	0.48	
6,986.00	4.57	287.25	6,978.98	41.03	-216.74	-12.39	94.00	282.60	0.79	
7,081.00	3.82	284.88	7,073.72	42.96	-223.41	-13.44	95.00	286.17	0.81	
7,175.00	3.21	276.71	7,167.54	44.08	-229.05	-13.80	94.00	281.15	0.84	
7,271.00	3.12	259.75	7,263.40	43.92	-234.29	-12.97	96.00	268.35	0.98	
7,365.00	3.91	263.08	7,357.22	43.08	-239.99	-11.39	94.00	261.60	0.87	
7,458.00	5.23	274.95	7,449.93	43.07	-247.36	-10.41	93.00	269.87	1.74	
7,553.00	5.80	286.55	7,544.49	44.81	-256.28	-10.98	95.00	281.05	1.31	
7,647.00	5.67	283.91	7,638.02	47.28	-265.34	-12.24	94.00	285.24	0.31	



Wellbenders End Of Well Report

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Design:	ROSS DRAW 25-36 FED 102H	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)
7,741.00	5.10	268.97	7,731.61	48.32	-274.02	-12.14	94.00	276.84	1.60
7,836.00	6.73	287.96	7,826.11	49.96	-283.54	-12.53	95.00	279.78	2.66
7,930.00	7.96	294.37	7,919.34	54.34	-294.71	-15.41	94.00	291.43	1.57
8,024.00	7.16	300.44	8,012.52	60.00	-305.69	-19.59	94.00	297.25	1.20
8,120.00	5.58	309.23	8,107.93	65.98	-314.46	-24.37	96.00	304.29	1.93
8,214.00	4.18	310.46	8,201.58	71.09	-320.61	-28.64	94.00	309.76	1.49
8,308.00	3.52	283.83	8,295.38	74.01	-326.02	-30.82	94.00	298.31	2.01
8,402.00	3.82	290.07	8,389.19	75.77	-331.76	-31.82	94.00	287.08	0.53
8,497.00	3.52	291.91	8,483.99	77.95	-337.44	-33.24	95.00	290.95	0.34
8,592.00	3.16	291.39	8,578.83	79.99	-342.59	-34.59	95.00	291.66	0.38
8,685.00	2.77	290.07	8,671.71	81.70	-347.08	-35.70	93.00	290.77	0.43
8,779.00	3.65	279.70	8,765.56	82.98	-352.17	-36.31	94.00	284.17	1.12
8,873.00	4.31	281.37	8,859.33	84.18	-358.58	-36.66	94.00	280.60	0.71
8,968.00	4.40	291.56	8,954.06	86.22	-365.47	-37.79	95.00	286.52	0.82
9,062.00	4.48	300.35	9,047.78	89.40	-371.99	-40.09	94.00	295.99	0.73
9,156.00	3.65	293.58	9,141.54	92.45	-377.90	-42.34	94.00	297.31	1.02
9,250.00	2.59	280.14	9,235.40	94.03	-382.73	-43.27	94.00	288.01	1.36
9,345.00	2.42	277.32	9,330.31	94.66	-386.83	-43.36	95.00	278.78	0.22
9,416.00	1.89	276.27	9,401.26	94.98	-389.49	-43.33	71.00	276.86	0.75
9,476.00	1.67	252.38	9,461.23	94.82	-391.30	-42.94	60.00	265.07	1.28
9,507.00	4.11	215.20	9,492.19	93.78	-392.37	-41.76	31.00	225.71	9.54
9,538.00	7.56	209.06	9,523.03	91.08	-394.00	-38.88	31.00	211.22	11.29
9,569.00	9.94	205.70	9,553.66	86.89	-396.16	-34.44	31.00	207.15	7.85
9,601.00	14.37	199.86	9,584.94	80.66	-398.70	-27.94	32.00	202.26	14.35
9,632.00	18.02	195.74	9,614.71	72.43	-401.31	-19.43	31.00	197.57	12.34
9,663.00	20.46	192.26	9,643.97	62.52	-403.76	-9.29	31.00	193.89	8.69
9,711.00	24.41	190.27	9,688.33	44.55	-407.32	8.99	48.00	191.18	8.38



Wellbenders End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well ROSS DRAW 25-36 FED 102H
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 102H	North Reference:	Grid
Wellbore:	ROSS DRAW 25-36 FED 102H	Survey Calculation Method:	Minimum Curvature
Design:	ROSS DRAW 25-36 FED 102H	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)	
9,758.00	27.51	191.30	9,730.58	24.35	-411.17	29.53	47.00	190.81	6.66	
9,804.00	28.75	192.85	9,771.15	3.14	-415.72	51.14	46.00	192.09	3.13	
9,851.00	29.00	192.52	9,812.31	-19.00	-420.70	73.75	47.00	192.68	0.63	
9,898.00	29.50	192.67	9,853.31	-41.41	-425.71	96.62	47.00	192.60	1.08	
9,945.00	32.08	192.09	9,893.69	-64.91	-430.86	120.59	47.00	192.37	5.53	
9,992.00	34.16	191.82	9,933.05	-90.03	-436.18	146.19	47.00	191.95	4.44	
10,039.00	38.15	190.41	9,970.99	-117.24	-441.51	173.86	47.00	191.08	8.67	
10,085.00	43.01	190.54	10,005.92	-146.65	-446.95	203.73	46.00	190.48	10.57	
10,132.00	48.29	189.88	10,038.76	-179.72	-452.89	237.29	47.00	190.20	11.28	
10,179.00	53.15	188.24	10,068.51	-215.64	-458.60	273.65	47.00	189.03	10.69	
10,226.00	58.36	187.44	10,094.95	-254.11	-463.89	312.48	47.00	187.83	11.17	
10,274.00	61.90	188.30	10,118.85	-295.34	-469.60	354.10	48.00	187.88	7.54	
10,321.00	65.51	188.90	10,139.67	-336.99	-475.90	396.22	47.00	188.60	7.77	
10,369.00	68.63	189.41	10,158.37	-380.63	-482.93	440.40	48.00	189.16	6.57	
10,416.00	73.89	189.67	10,173.46	-424.51	-490.31	484.87	47.00	189.54	11.20	
10,465.00	78.67	189.86	10,185.08	-471.41	-498.38	532.42	49.00	189.77	9.76	
10,523.00	84.76	189.31	10,193.43	-527.97	-507.93	589.75	58.00	189.58	10.54	
10,617.00	93.52	186.55	10,194.84	-620.96	-520.88	683.63	94.00	187.93	9.77	
10,712.00	89.87	184.82	10,192.03	-715.44	-530.29	778.53	95.00	185.68	4.25	
10,806.00	89.45	185.04	10,192.59	-809.09	-538.36	872.43	94.00	184.93	0.50	
10,900.00	88.64	183.19	10,194.16	-902.83	-545.11	966.25	94.00	184.12	2.15	
10,995.00	89.62	179.80	10,195.60	-997.77	-547.59	1,060.70	95.00	181.49	3.71	
11,089.00	87.60	178.66	10,197.88	-1,091.73	-546.32	1,153.69	94.00	179.23	2.47	
11,183.00	91.36	184.82	10,198.74	-1,185.62	-549.18	1,247.15	94.00	181.74	7.68	
11,278.00	91.36	183.06	10,196.48	-1,280.36	-555.70	1,341.94	95.00	183.94	1.85	
11,372.00	90.07	182.60	10,195.31	-1,374.24	-560.34	1,435.61	94.00	182.83	1.46	
11,466.00	92.20	184.50	10,193.45	-1,468.03	-566.16	1,529.36	94.00	183.55	3.04	



Wellbenders End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well ROSS DRAW 25-36 FED 102H
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 102H	North Reference:	Grid
Wellbore:	ROSS DRAW 25-36 FED 102H	Survey Calculation Method:	Minimum Curvature
Design:	ROSS DRAW 25-36 FED 102H	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)
11,561.00	93.04	187.01	10,189.10	-1,562.44	-575.68	1,624.21	95.00	185.75	2.78
11,655.00	91.05	185.38	10,185.75	-1,655.83	-585.81	1,718.12	94.00	186.19	2.74
11,749.00	88.56	183.75	10,186.07	-1,749.52	-593.29	1,811.98	94.00	184.57	3.17
11,844.00	89.99	182.43	10,187.27	-1,844.37	-598.41	1,906.69	95.00	183.09	2.05
11,938.00	91.67	183.58	10,185.91	-1,938.22	-603.34	2,000.39	94.00	183.00	2.17
12,033.00	92.56	182.86	10,182.40	-2,033.01	-608.67	2,095.06	95.00	183.22	1.20
12,127.00	88.95	182.40	10,181.16	-2,126.88	-612.98	2,188.69	94.00	182.63	3.87
12,222.00	88.00	180.47	10,183.69	-2,221.81	-615.36	2,283.12	95.00	181.44	2.26
12,316.00	90.41	181.43	10,185.00	-2,315.78	-616.92	2,376.49	94.00	180.95	2.76
12,411.00	90.99	181.76	10,183.84	-2,410.74	-619.57	2,470.98	95.00	181.59	0.70
12,505.00	90.83	182.54	10,182.34	-2,504.66	-623.09	2,564.56	94.00	182.15	0.85
12,600.00	90.88	183.41	10,180.92	-2,599.52	-628.02	2,659.25	95.00	182.97	0.92
12,694.00	91.44	184.39	10,179.02	-2,693.28	-634.41	2,753.05	94.00	183.90	1.20
12,788.00	90.99	183.53	10,177.03	-2,787.04	-640.90	2,846.84	94.00	183.96	1.03
12,883.00	89.87	181.49	10,176.32	-2,881.94	-645.06	2,941.48	95.00	182.51	2.45
12,977.00	89.17	179.26	10,177.10	-2,975.92	-645.68	3,034.74	94.00	180.38	2.49
13,072.00	86.59	179.46	10,180.62	-3,070.85	-644.62	3,128.71	95.00	179.36	2.72
13,166.00	87.83	181.22	10,185.19	-3,164.73	-645.18	3,221.86	94.00	180.34	2.29
13,261.00	89.17	182.51	10,187.68	-3,259.64	-648.27	3,316.37	95.00	181.87	1.96
13,355.00	91.56	184.61	10,187.08	-3,353.44	-654.10	3,410.13	94.00	183.56	3.38
13,450.00	93.85	186.24	10,182.60	-3,447.90	-663.07	3,504.95	95.00	185.42	2.96
13,544.00	93.86	185.69	10,176.28	-3,541.18	-672.82	3,598.71	94.00	185.97	0.58
13,639.00	92.42	186.33	10,171.07	-3,635.52	-682.75	3,693.53	95.00	186.01	1.66
13,734.00	91.84	185.93	10,167.54	-3,729.91	-692.89	3,788.43	95.00	186.13	0.74
13,828.00	91.92	185.54	10,164.46	-3,823.39	-702.28	3,882.34	94.00	185.74	0.42
13,922.00	88.92	184.68	10,163.77	-3,917.00	-710.65	3,976.24	94.00	185.11	3.32
14,016.00	89.43	183.82	10,165.12	-4,010.73	-717.61	4,070.08	94.00	184.25	1.06



Wellbenders End Of Well Report

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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 102H	North Reference:	Grid
Wellbore:	ROSS DRAW 25-36 FED 102H	Survey Calculation Method:	Minimum Curvature
Design:	ROSS DRAW 25-36 FED 102H	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)	
14,111.00	89.54	184.68	10,165.98	-4,105.46	-724.65	4,164.92	95.00	184.25	0.91	
14,205.00	92.65	184.49	10,164.18	-4,199.13	-732.16	4,258.77	94.00	184.59	3.31	
14,299.00	92.28	184.46	10,160.14	-4,292.76	-739.49	4,352.56	94.00	184.47	0.39	
14,394.00	91.44	183.47	10,157.06	-4,387.48	-746.06	4,447.32	95.00	183.96	1.37	
14,488.00	90.43	182.68	10,155.52	-4,481.33	-751.10	4,541.03	94.00	183.07	1.36	
14,582.00	89.23	182.89	10,155.80	-4,575.22	-755.67	4,634.71	94.00	182.78	1.30	
14,676.00	89.40	184.50	10,156.92	-4,669.01	-761.72	4,728.49	94.00	183.70	1.72	
14,770.00	90.94	185.34	10,156.65	-4,762.66	-769.78	4,822.39	94.00	184.92	1.87	
14,864.00	91.58	185.77	10,154.58	-4,856.20	-778.88	4,916.31	94.00	185.55	0.82	
14,959.00	88.92	185.27	10,154.16	-4,950.75	-788.02	5,011.25	95.00	185.52	2.85	
15,053.00	92.48	188.48	10,153.02	-5,044.04	-799.27	5,105.21	94.00	186.87	5.10	
15,148.00	91.50	189.35	10,149.72	-5,137.83	-813.98	5,200.12	95.00	188.92	1.38	
15,243.00	91.39	190.27	10,147.32	-5,231.41	-830.16	5,295.01	95.00	189.81	0.98	
15,337.00	90.01	190.54	10,146.17	-5,323.86	-847.13	5,388.88	94.00	190.41	1.50	
15,432.00	90.80	189.37	10,145.50	-5,417.42	-863.56	5,483.79	95.00	189.96	1.49	
15,526.00	88.84	183.90	10,145.80	-5,510.75	-874.41	5,577.74	94.00	186.64	6.18	
15,621.00	90.99	183.63	10,145.94	-5,605.54	-880.65	5,672.53	95.00	183.76	2.28	
15,715.00	89.96	180.98	10,145.16	-5,699.45	-884.43	5,766.13	94.00	182.30	3.02	
15,810.00	89.82	179.88	10,145.34	-5,794.45	-885.14	5,860.41	95.00	180.43	1.17	
15,904.00	90.38	179.81	10,145.18	-5,888.45	-884.89	5,953.57	94.00	179.85	0.60	
15,998.00	90.13	179.06	10,144.76	-5,982.44	-883.96	6,046.64	94.00	179.43	0.84	
16,093.00	89.23	178.19	10,145.29	-6,077.41	-881.68	6,140.50	95.00	178.63	1.32	
16,187.00	85.78	177.36	10,149.38	-6,171.23	-878.04	6,233.04	94.00	177.78	3.77	
16,282.00	88.84	179.15	10,153.84	-6,266.07	-875.15	6,326.69	95.00	178.26	3.73	
16,376.00	90.24	179.98	10,154.59	-6,360.06	-874.44	6,419.79	94.00	179.57	1.73	
16,469.00	89.23	179.53	10,155.02	-6,453.06	-874.04	6,511.94	93.00	179.76	1.19	
16,564.00	91.75	180.76	10,154.21	-6,548.05	-874.28	6,606.14	95.00	180.14	2.95	



Wellbenders End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well ROSS DRAW 25-36 FED 102H
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 102H	North Reference:	Grid
Wellbore:	ROSS DRAW 25-36 FED 102H	Survey Calculation Method:	Minimum Curvature
Design:	ROSS DRAW 25-36 FED 102H	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)
16,659.00	92.20	181.71	10,150.94	-6,642.97	-876.33	6,700.52	95.00	181.23	1.11
16,753.00	92.65	181.62	10,146.96	-6,736.84	-879.06	6,793.95	94.00	181.67	0.49
16,825.00	92.12	181.48	10,143.96	-6,808.75	-881.00	6,865.50	72.00	181.55	0.76
16,880.00	92.12	181.48	10,141.93	-6,863.70	-882.42	6,920.16	55.00	181.48	0.00
Final Station Closure Distance= 6920.19 /Direction= 187.33 - Projection to Bit: 16880.00' MD/ 10141.93' TVD - TD: Latitude = 32.000593 / Longitude = -103.941416 - TD: Y= 364163.40 / X= 621491.88									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
16,880.00	10,141.93	-6,863.70	-882.42	Final Station Closure Distance= 6920.19 /Direction= 187.33
16,880.00	10,141.93	-6,863.70	-882.42	Projection to Bit: 16880.00' MD/ 10141.93' TVD
16,880.00	10,141.93	-6,863.70	-882.42	TD: Latitude = 32.000593 / Longitude = -103.941416
16,880.00	10,141.93	-6,863.70	-882.42	TD: Y= 364163.40 / X= 621491.88

Checked By: _____	Approved By: _____	Date: _____
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