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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 NOV 25 2019
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION DISTRICT ARTESIA O.C.D.
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- 44842	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp
⁴ Property Code 321151	⁵ Property Name MUY WAYNO 18 FEDERAL	⁶ Well Number 123H
⁷ OGRID No. 005380	⁸ Operator Name XTO ENERGY, INC.	⁹ Elevation 3,165'

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
3	18	25 S	30 E		2,310	SOUTH	1,175	WEST	EDDY

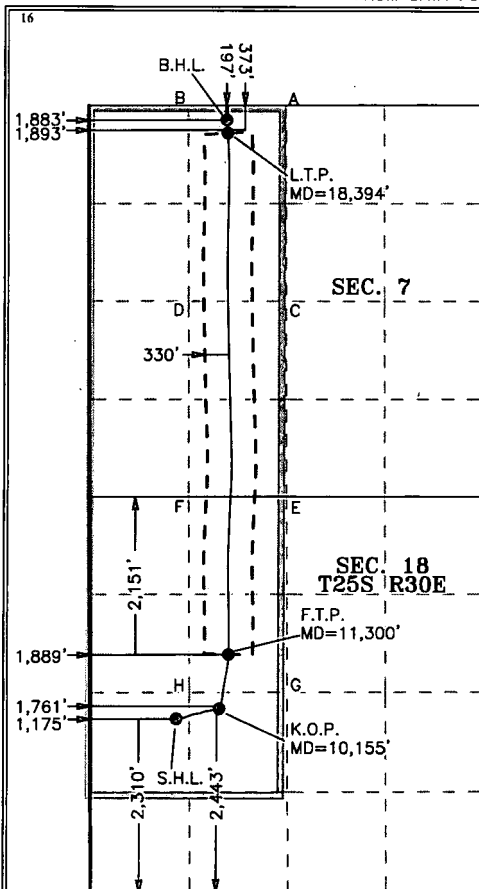
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	7	25 S	30 E		197	NORTH	1,883	WEST	EDDY

¹² Dedicated Acres 483.44	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= 410,910.2
X= 626,365.9
LAT.= 32.129050°N
LONG.= 103.925123°W

FIRST TAKE POINT
NAD 27 NME
Y= 411,770.9
X= 627,074.5
LAT.= 32.131409°N
LONG.= 103.922824°W
K.O.P.

NAD 27 NME
Y= 411,045.8
X= 626,950.9
LAT.= 32.129417°N
LONG.= 103.923232°W

CORNER COORDINATES TABLE

NAD 27 NME
A - Y= 419,236.3 N, X= 627,843.0 E
B - Y= 419,230.0 N, X= 626,505.6 E
C - Y= 416,584.3 N, X= 627,852.8 E
D - Y= 416,580.8 N, X= 626,517.9 E
E - Y= 413,925.0 N, X= 627,862.7 E
F - Y= 413,919.9 N, X= 626,527.4 E
G - Y= 411,266.7 N, X= 627,877.5 E
H - Y= 411,260.6 N, X= 626,542.4 E

CORNER COORDINATES TABLE

NAD 83 NME
A - Y= 419,294.7 N, X= 669,027.4 E
B - Y= 419,288.4 N, X= 667,690.0 E
C - Y= 416,642.7 N, X= 669,037.3 E
D - Y= 416,639.2 N, X= 667,702.4 E
E - Y= 413,983.3 N, X= 669,047.3 E
F - Y= 413,978.2 N, X= 667,712.0 E
G - Y= 411,325.0 N, X= 669,062.2 E
H - Y= 411,318.9 N, X= 667,727.0 E

LAST TAKE POINT
NAD 27 NME
Y= 418,859.8
X= 627,044.5
LAT.= 32.150897°N
LONG.= 103.922833°W

BOTTOM HOLE LOCATION
NAD 27 NME
Y= 419,035.5
X= 627,033.4
LAT.= 32.151380°N
LONG.= 103.922867°W

GEODETIC COORDINATES

NAD 83 NME
SURFACE LOCATION
Y= 410,968.5
X= 667,550.5
LAT.= 32.129175°N
LONG.= 103.925608°W

FIRST TAKE POINT
NAD 83 NME
Y= 411,829.2
X= 668,259.1
LAT.= 32.131533°N
LONG.= 103.923308°W
K.O.P.

NAD 83 NME
Y= 411,104.1
X= 668,135.6
LAT.= 32.129542°N
LONG.= 103.923716°W

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Cheryl Rowell 9/4/19
Signature Date

Cheryl Rowell

Printed Name

cheryl_rowell@xtoenergy.com

E-mail Address

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

9-4-2019

Date of Survey

Signature and Seal of
Professional Surveyor:

MARK DILLON HARP 23786
Certificate Number



JC

2017060872

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NOV 25 2019

DISTRICT II-ARTESIA O.C.D.

Intent ☐ As Drilled ☒

API #

30-015-44842

Operator Name:

XTO ENERGY, INC.

Property Name:

Muy Wayno 18 Federal

Well Number

123H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
K	18	25S	30E		2443	South	1761	West	Eddy
Latitude					Longitude			NAD	
32.129542					103.923716			83	

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
F	18	25S	30E		2151	North	1889	West	Eddy
Latitude					Longitude			NAD	
32.131533					103.923308			83	

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	7	25S	30E		373	North	1893	West	Eddy
Latitude					Longitude			NAD	
32.151020					103.923318			83	

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 #

30-015-44838

Operator Name:

XTO ENERGY, INC.

Property Name:

Muy Wayno 18 Federal

Well Number

102H

KZ 06/29/2018



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JAN 13 2020

EMNRD-OCD ARTESIA

I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **12/17/18** thru **02/24/19** conduct or supervise the taking of a **MWD Survey** from a depth of **174'** to a depth of **18570'**; 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 **Muy Wayno 18 Federal #123H** API No. **30-015-44842** 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:
2020:01:10
09:15:43 -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 #123H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB = 26' @ 3191.00usft (PAT 225)
Site:	Muy Wayno 18 Federal	MD Reference:	RKB = 26' @ 3191.00usft (PAT 225)
Well:	#123H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	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	Muy Wayno 18 Federal		
Site Position:		Northing:	410,905.90 usft
From:	Map	Easting:	625,541.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	32.129047
		Longitude:	-103.927788
		Grid Convergence:	0.216 °

Well		#123H				
Well Position	+N/-S	0.00 usft	Northing:	410,910.20 usft	Latitude:	32.129051
	+E/-W	0.00 usft	Easting:	626,365.90 usft	Longitude:	-103.925123
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,165.00 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/15/2018	6.949	59.900	47,692.66660396

Design	OH			
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	359.72

Survey Program	Date	2/25/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
174.00	18,570.00	Survey #1 (OH)	WBDS_IGRF	OWSG MWD + IGRF or WMM



Wellbenders End Of Well Report



Company: XTO Energy
Project: Eddy County, NM (Nad-27 / East Zone)
Site: Muy Wayno 18 Federal
Well: #123H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #123H
TVD Reference: RKB = 26' @ 3191.00usft (PAT 225)
MD Reference: RKB = 26' @ 3191.00usft (PAT 225)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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
MW 18 Fed #123H: SHL									
174.00	0.20	231.30	174.00	-0.19	-0.24	-0.19	174.00	231.30	0.11
208.00	0.30	194.00	208.00	-0.31	-0.30	-0.31	34.00	208.79	0.55
285.00	0.20	216.40	285.00	-0.62	-0.43	-0.61	77.00	202.93	0.18
379.00	0.20	165.80	379.00	-0.91	-0.49	-0.91	94.00	191.10	0.18
476.00	1.10	22.30	475.99	-0.21	-0.10	-0.21	97.00	29.52	1.31
569.00	1.10	40.70	568.98	1.29	0.83	1.29	93.00	31.50	0.38
663.00	1.70	31.70	662.95	3.16	2.15	3.15	94.00	35.23	0.68
757.00	1.60	28.80	756.91	5.50	3.51	5.48	94.00	30.29	0.14
840.00	1.60	30.50	839.88	7.51	4.66	7.49	83.00	29.65	0.06
945.00	1.30	42.50	944.84	9.65	6.21	9.62	105.00	35.88	0.41
1,040.00	1.30	67.10	1,039.82	10.87	7.93	10.83	95.00	54.80	0.58
1,134.00	1.00	51.90	1,133.80	11.79	9.55	11.74	94.00	60.50	0.45
1,229.00	1.30	22.20	1,228.78	13.30	10.61	13.25	95.00	35.07	0.69
1,324.00	1.40	359.70	1,323.76	15.46	11.02	15.40	95.00	10.53	0.56
1,418.00	1.30	340.90	1,417.73	17.61	10.66	17.56	94.00	350.65	0.48
1,513.00	1.50	312.20	1,512.70	19.47	9.39	19.42	95.00	325.50	0.76
1,608.00	1.60	306.70	1,607.67	21.09	7.40	21.06	95.00	309.36	0.19
1,700.00	1.70	299.40	1,699.63	22.53	5.18	22.51	92.00	302.94	0.25
1,795.00	1.60	299.30	1,794.59	23.87	2.80	23.86	95.00	299.35	0.11
1,889.00	1.60	288.60	1,888.55	24.93	0.41	24.93	94.00	293.95	0.32
1,984.00	0.90	309.60	1,983.53	25.83	-1.42	25.84	95.00	296.13	0.87
2,078.00	0.90	36.80	2,077.52	26.89	-1.55	26.90	94.00	353.20	1.32
2,172.00	1.10	37.10	2,171.51	28.20	-0.56	28.21	94.00	36.96	0.21
2,266.00	0.90	50.20	2,265.50	29.40	0.55	29.39	94.00	42.99	0.32
2,360.00	0.90	47.90	2,359.48	30.36	1.67	30.35	94.00	49.05	0.04



Wellbenders End Of Well Report



Company: XTO Energy
Project: Eddy County, NM (Nad-27 / East Zone)
Site: Muy Wayno 18 Federal
Well: #123H
Wellbore: OH
Design: OH

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well #123H
RKB = 26' @ 3191.00usft (PAT 225)
RKB = 26' @ 3191.00usft (PAT 225)
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)
2,454.00	0.80	40.00	2,453.47	31.36	2.63	31.35	94.00	44.18	0.16
2,546.00	0.60	62.50	2,545.47	32.08	3.48	32.06	92.00	49.62	0.37
2,640.00	0.70	76.60	2,639.46	32.44	4.47	32.41	94.00	70.10	0.20
2,734.00	0.90	94.70	2,733.45	32.51	5.76	32.48	94.00	86.79	0.34
2,828.00	2.10	113.90	2,827.42	31.75	8.07	31.71	94.00	108.17	1.37
2,922.00	3.00	116.40	2,921.32	29.96	11.85	29.90	94.00	115.37	0.96
3,016.00	3.40	117.60	3,015.18	27.57	16.53	27.49	94.00	117.04	0.43
3,110.00	4.50	120.90	3,108.95	24.39	22.16	24.28	94.00	119.48	1.19
3,204.00	5.80	121.20	3,202.57	20.03	29.39	19.89	94.00	121.07	1.38
3,298.00	6.70	121.70	3,296.01	14.69	38.12	14.51	94.00	121.47	0.96
3,320.00	6.10	121.50	3,317.87	13.41	40.20	13.21	22.00	121.60	2.73
3,418.00	5.40	122.20	3,415.38	8.23	48.55	7.99	98.00	121.83	0.72
3,512.00	5.40	99.70	3,508.97	5.13	56.65	4.85	94.00	110.95	2.24
3,606.00	6.60	78.40	3,602.47	5.47	66.30	5.14	94.00	87.98	2.67
3,700.00	7.00	75.20	3,695.81	8.02	77.13	7.64	94.00	76.75	0.59
3,794.00	6.60	76.20	3,789.15	10.77	87.92	10.34	94.00	75.69	0.44
3,889.00	6.40	76.40	3,883.54	13.32	98.37	12.83	95.00	76.30	0.21
3,984.00	6.30	74.90	3,977.95	15.92	108.54	15.39	95.00	75.66	0.20
4,078.00	5.70	74.30	4,071.44	18.53	118.02	17.95	94.00	74.61	0.64
4,173.00	7.00	67.70	4,165.85	22.00	127.92	21.37	95.00	70.66	1.57
4,268.00	7.30	67.10	4,260.12	26.54	138.83	25.87	95.00	67.39	0.33
4,363.00	6.80	67.80	4,354.40	31.02	149.60	30.29	95.00	67.44	0.53
4,457.00	5.90	68.00	4,447.82	34.93	159.23	34.15	94.00	67.89	0.96
4,551.00	7.40	70.00	4,541.18	38.81	169.40	37.98	94.00	69.11	1.61
4,645.00	7.90	70.00	4,634.35	43.09	181.16	42.20	94.00	70.00	0.53
4,738.00	7.50	71.60	4,726.51	47.19	192.92	46.25	93.00	70.78	0.49
4,832.00	7.40	71.40	4,819.71	51.06	204.48	50.06	94.00	71.50	0.11



Wellbenders
End Of Well Report



Company:	XTO Energy	Local Co-ordinate Reference:	Well #123H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB = 26' @ 3191.00usft (PAT 225)
Site:	Muy Wayno 18 Federal	MD Reference:	RKB = 26' @ 3191.00usft (PAT 225)
Well:	#123H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	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)
4,927.00	6.80	72.30	4,913.99	54.72	215.64	53.67	95.00	71.83	0.64
5,022.00	6.30	72.70	5,008.37	57.98	225.97	56.88	95.00	72.49	0.53
5,117.00	5.70	73.80	5,102.84	60.85	235.48	59.70	95.00	73.22	0.64
5,211.00	6.80	78.00	5,196.29	63.31	245.41	62.11	94.00	76.08	1.27
5,306.00	7.20	80.80	5,290.58	65.43	256.78	64.17	95.00	79.44	0.55
5,400.00	6.90	82.10	5,383.87	67.15	268.19	65.83	94.00	81.44	0.36
5,495.00	6.70	83.20	5,478.20	68.59	279.35	67.22	95.00	82.64	0.25
5,589.00	6.60	84.90	5,571.57	69.72	290.17	68.30	94.00	84.04	0.23
5,684.00	6.30	87.20	5,665.96	70.46	300.82	68.98	95.00	86.02	0.42
5,778.00	5.80	88.90	5,759.44	70.80	310.72	69.28	94.00	88.02	0.56
5,872.00	5.80	72.60	5,852.97	72.31	320.00	70.75	94.00	80.75	1.75
5,966.00	7.90	68.00	5,946.29	76.15	330.52	74.53	94.00	69.95	2.31
6,061.00	7.50	65.50	6,040.43	81.17	342.22	79.49	95.00	66.78	0.55
6,155.00	6.40	64.80	6,133.74	85.94	352.54	84.22	94.00	65.18	1.17
6,249.00	5.90	65.70	6,227.20	90.16	361.68	88.39	94.00	65.23	0.54
6,343.00	6.60	72.80	6,320.64	93.75	371.25	91.93	94.00	69.45	1.11
6,438.00	6.70	76.90	6,415.00	96.62	381.86	94.75	95.00	74.87	0.51
6,533.00	7.30	77.90	6,509.30	99.14	393.16	97.22	95.00	77.42	0.64
6,628.00	7.60	80.00	6,603.49	101.49	405.25	99.51	95.00	78.97	0.43
6,723.00	7.10	82.30	6,697.71	103.37	417.25	101.33	95.00	81.11	0.61
6,818.00	6.70	83.20	6,792.02	104.82	428.57	102.72	95.00	82.74	0.44
6,912.00	6.30	82.90	6,885.42	106.10	439.14	103.95	94.00	83.05	0.43
7,007.00	7.20	80.10	6,979.76	107.77	450.17	105.57	95.00	81.41	1.01
7,102.00	8.50	79.80	7,073.87	110.04	462.95	107.77	95.00	79.94	1.37
7,196.00	7.70	80.50	7,166.93	112.31	476.00	109.98	94.00	80.13	0.86
7,291.00	6.60	79.60	7,261.19	114.34	487.64	111.96	95.00	80.08	1.16
7,385.00	5.30	76.30	7,354.68	116.35	497.18	113.91	94.00	78.13	1.43



Wellbenders End Of Well Report



Company: XTO Energy
Project: Eddy County, NM (Nad-27 / East Zone)
Site: Muy Wayno 18 Federal
Well: #123H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #123H
TVD Reference: RKB = 26' @ 3191.00usft (PAT 225)
MD Reference: RKB = 26' @ 3191.00usft (PAT 225)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
7,479.00	4.00	70.70	7,448.37	118.46	504.49	115.99	94.00	73.89	1.46
7,573.00	2.90	50.30	7,542.20	121.06	509.41	118.57	94.00	62.14	1.74
7,668.00	2.50	22.80	7,637.10	124.51	512.07	122.00	95.00	37.59	1.41
7,763.00	2.20	356.00	7,732.02	128.23	512.74	125.73	95.00	10.27	1.19
7,857.00	1.50	22.50	7,825.98	131.17	513.09	128.66	94.00	6.70	1.16
7,952.00	1.20	25.60	7,920.95	133.22	513.99	130.70	95.00	23.88	0.32
8,047.00	1.10	38.70	8,015.93	134.83	514.99	132.31	95.00	31.86	0.30
8,141.00	1.40	61.00	8,109.91	136.09	516.56	133.56	94.00	51.20	0.60
8,236.00	1.00	55.40	8,204.89	137.12	518.26	134.59	95.00	58.67	0.44
8,330.00	1.20	101.80	8,298.87	137.38	519.90	134.84	94.00	80.83	0.94
8,424.00	2.40	103.70	8,392.82	136.72	522.77	134.16	94.00	103.07	1.28
8,519.00	3.60	97.50	8,487.69	135.86	527.66	133.28	95.00	99.98	1.31
8,614.00	3.30	93.30	8,582.52	135.31	533.35	132.70	95.00	95.49	0.41
8,709.00	2.40	82.10	8,677.40	135.43	538.05	132.80	95.00	88.59	1.11
8,803.00	2.30	72.80	8,771.32	136.25	541.80	133.61	94.00	77.55	0.42
8,897.00	2.80	83.70	8,865.23	137.06	545.88	134.39	94.00	78.79	0.74
8,992.00	1.70	92.70	8,960.16	137.25	549.60	134.57	95.00	87.10	1.21
9,085.00	2.20	90.00	9,053.10	137.19	552.76	134.48	93.00	91.18	0.55
9,180.00	2.10	93.60	9,148.04	137.08	556.32	134.36	95.00	91.76	0.18
9,275.00	1.40	96.30	9,242.99	136.84	559.21	134.11	95.00	94.68	0.74
9,369.00	1.30	105.40	9,336.96	136.43	561.38	133.69	94.00	100.68	0.25
9,464.00	1.50	94.80	9,431.94	136.04	563.66	133.29	95.00	99.72	0.34
9,558.00	2.80	93.70	9,525.87	135.79	567.18	133.02	94.00	94.08	1.38
9,653.00	0.70	106.00	9,620.82	135.48	570.05	132.69	95.00	96.15	2.23
9,748.00	0.40	176.70	9,715.82	134.99	570.63	132.20	95.00	130.40	0.72
9,817.00	0.70	178.00	9,784.81	134.33	570.66	131.54	69.00	177.53	0.44
9,859.00	0.80	191.20	9,826.81	133.78	570.61	130.99	42.00	185.04	0.47



Wellbenders End Of Well Report



Company:	XTO Energy	Local Co-ordinate Reference:	Well #123H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB = 26' @ 3191.00usft (PAT 225)
Site:	Muy Wayno 18 Federal	MD Reference:	RKB = 26' @ 3191.00usft (PAT 225)
Well:	#123H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	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)
9,954.00	2.40	105.40	9,921.78	132.61	572.40	129.81	95.00	123.38	2.60
10,048.00	4.00	74.90	10,015.63	132.94	577.46	130.11	94.00	86.25	2.43
10,143.00	3.90	67.90	10,110.41	135.02	583.65	132.16	95.00	71.44	0.52
10,190.00	6.90	41.30	10,157.20	137.74	587.00	134.87	47.00	50.85	8.15
10,237.00	10.00	30.20	10,203.69	143.39	590.92	140.50	47.00	34.74	7.42
10,285.00	13.30	24.20	10,250.69	152.03	595.28	149.12	48.00	26.78	7.31
10,332.00	16.00	20.00	10,296.16	163.05	599.71	160.12	47.00	21.91	6.17
10,380.00	19.60	17.00	10,341.86	176.97	604.33	174.01	48.00	18.35	7.74
10,427.00	22.90	14.30	10,385.66	193.37	608.89	190.40	47.00	15.55	7.32
10,474.00	26.60	11.90	10,428.34	212.54	613.32	209.54	47.00	13.02	8.16
10,521.00	29.80	10.40	10,469.75	234.33	617.60	231.31	47.00	11.11	6.97
10,568.00	33.70	9.40	10,509.71	258.69	621.84	255.65	47.00	9.87	8.37
10,615.00	37.00	7.50	10,548.04	285.58	625.82	282.52	47.00	8.41	7.40
10,663.00	39.30	7.00	10,585.79	314.99	629.56	311.91	48.00	7.24	4.83
10,710.00	42.70	7.60	10,621.25	345.57	633.48	342.47	47.00	7.31	7.28
10,757.00	46.90	8.40	10,654.59	378.36	638.10	375.24	47.00	8.01	9.02
10,804.00	50.60	8.90	10,685.58	413.29	643.41	410.14	47.00	8.66	7.91
10,852.00	55.10	9.40	10,714.56	451.05	649.50	447.87	48.00	9.16	9.41
10,899.00	57.70	9.80	10,740.57	489.64	656.03	486.43	47.00	9.60	5.58
10,946.00	61.50	9.80	10,764.35	529.58	662.93	526.34	47.00	9.80	8.09
10,993.00	64.30	10.50	10,785.75	570.76	670.30	567.48	47.00	10.15	6.10
11,041.00	67.50	11.40	10,805.35	613.77	678.63	610.45	48.00	10.96	6.88
11,088.00	70.80	10.60	10,822.08	656.88	687.01	653.52	47.00	11.00	7.20
11,135.00	71.70	9.20	10,837.19	700.73	694.66	697.32	47.00	9.90	3.41
11,144.87	72.48	8.71	10,840.22	710.01	696.12	706.60	9.87	8.95	9.16
MW 18 Fed #123H: FTP									
11,182.00	75.40	6.90	10,850.49	745.35	700.96	741.91	37.13	7.80	9.16



Wellbenders
End Of Well Report



Company:	XTO Energy	Local Co-ordinate Reference:	Well #123H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB = 26' @ 3191.00usft (PAT 225)
Site:	Muy Wayno 18 Federal	MD Reference:	RKB = 26' @ 3191.00usft (PAT 225)
Well:	#123H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	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)
11,230.00	79.00	3.80	10,861.13	791.94	705.31	788.48	48.00	5.34	9.79
11,277.00	82.90	1.70	10,868.52	838.29	707.53	834.82	47.00	2.74	9.40
11,330.00	88.48	1.03	10,872.50	891.10	708.79	887.63	53.00	1.36	10.60
11,415.00	87.52	0.59	10,875.47	976.04	709.99	972.56	85.00	0.81	1.24
11,509.00	87.52	1.55	10,879.54	1,069.93	711.75	1,066.44	94.00	1.07	1.02
11,603.00	90.42	359.53	10,881.23	1,163.90	712.63	1,160.40	94.00	0.54	3.76
11,697.00	90.42	359.09	10,880.54	1,257.89	711.50	1,254.40	94.00	359.31	0.47
11,791.00	90.24	359.45	10,880.00	1,351.88	710.30	1,348.39	94.00	359.27	0.43
11,885.00	89.89	359.62	10,879.89	1,445.88	709.54	1,442.39	94.00	359.54	0.41
11,979.00	91.08	358.92	10,879.09	1,539.86	708.34	1,536.38	94.00	359.27	1.47
12,073.00	91.21	358.48	10,877.22	1,633.82	706.21	1,630.35	94.00	358.70	0.49
12,167.00	91.16	357.86	10,875.27	1,727.75	703.21	1,724.30	94.00	358.17	0.66
12,262.00	91.69	359.45	10,872.91	1,822.69	700.98	1,819.25	95.00	358.65	1.76
12,356.00	91.52	359.09	10,870.28	1,916.65	699.78	1,913.21	94.00	359.27	0.42
12,450.00	90.99	358.39	10,868.22	2,010.60	697.72	2,007.17	94.00	358.74	0.93
12,544.00	92.48	0.68	10,865.37	2,104.55	696.95	2,101.12	94.00	359.53	2.91
12,638.00	93.27	1.03	10,860.66	2,198.42	698.35	2,194.98	94.00	0.85	0.92
12,732.00	88.31	2.35	10,859.36	2,292.34	701.12	2,288.88	94.00	1.69	5.46
12,827.00	87.65	2.35	10,862.71	2,387.20	705.02	2,383.72	95.00	2.35	0.69
12,922.00	86.73	2.26	10,867.37	2,482.01	708.83	2,478.51	95.00	2.31	0.97
13,016.00	85.93	1.47	10,873.38	2,575.76	711.89	2,572.25	94.00	1.87	1.19
13,111.00	88.04	2.52	10,878.38	2,670.57	715.19	2,667.04	95.00	2.00	2.48
13,205.00	87.12	2.70	10,882.35	2,764.38	719.47	2,760.84	94.00	2.61	1.00
13,299.00	90.59	2.96	10,884.23	2,858.24	724.11	2,854.66	94.00	2.83	3.70
13,393.00	90.64	3.22	10,883.22	2,952.09	729.17	2,948.50	94.00	3.09	0.28
13,487.00	89.98	3.05	10,882.71	3,045.95	734.31	3,042.33	94.00	3.13	0.73
13,581.00	89.49	3.31	10,883.15	3,139.81	739.53	3,136.15	94.00	3.18	0.59



Wellbenders
End Of Well Report



Company:	XTO Energy	Local Co-ordinate Reference:	Well #123H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB = 26' @ 3191.00usft (PAT 225)
Site:	Muy Wayno 18 Federal	MD Reference:	RKB = 26' @ 3191.00usft (PAT 225)
Well:	#123H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	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)
13,675.00	90.11	1.29	10,883.47	3,233.72	743.30	3,230.05	94.00	2.30	2.25
13,768.00	89.58	1.47	10,883.72	3,326.70	745.54	3,323.01	93.00	1.38	0.60
13,862.00	90.55	359.09	10,883.62	3,420.69	746.00	3,417.00	94.00	0.28	2.73
13,956.00	90.07	358.74	10,883.11	3,514.67	744.22	3,510.99	94.00	358.91	0.63
14,050.00	90.29	358.74	10,882.81	3,608.65	742.15	3,604.98	94.00	358.74	0.23
14,144.00	90.20	358.83	10,882.41	3,702.62	740.16	3,698.96	94.00	358.79	0.14
14,238.00	88.70	358.83	10,883.31	3,796.60	738.24	3,792.94	94.00	358.83	1.60
14,332.00	89.36	357.86	10,884.91	3,890.54	735.53	3,886.90	94.00	358.34	1.25
14,426.00	88.92	357.42	10,886.32	3,984.45	731.66	3,980.83	94.00	357.64	0.66
14,521.00	87.82	357.78	10,889.02	4,079.33	727.68	4,075.72	95.00	357.60	1.22
14,615.00	90.37	358.37	10,890.50	4,173.26	724.52	4,169.66	94.00	358.08	2.78
14,709.00	89.67	358.39	10,890.47	4,267.22	721.86	4,263.64	94.00	358.38	0.74
14,803.00	88.57	357.60	10,891.91	4,361.15	718.58	4,357.58	94.00	358.00	1.44
14,896.00	92.18	358.21	10,891.31	4,454.07	715.18	4,450.52	93.00	357.90	3.94
14,990.00	91.52	358.65	10,888.27	4,547.98	712.60	4,544.44	94.00	358.43	0.84
15,084.00	90.68	358.57	10,886.47	4,641.94	710.32	4,638.41	94.00	358.61	0.90
15,178.00	90.59	359.53	10,885.42	4,735.92	708.77	4,732.40	94.00	359.05	1.03
15,271.00	89.23	358.57	10,885.57	4,828.90	707.22	4,825.39	93.00	359.05	1.79
15,364.00	88.70	358.92	10,887.25	4,921.86	705.19	4,918.36	93.00	358.74	0.68
15,459.00	91.87	358.83	10,886.78	5,016.83	703.32	5,013.33	95.00	358.88	3.34
15,552.00	90.95	358.83	10,884.49	5,109.78	701.42	5,106.29	93.00	358.83	0.99
15,646.00	90.11	358.48	10,883.62	5,203.75	699.22	5,200.27	94.00	358.65	0.97
15,741.00	88.53	358.13	10,884.75	5,298.70	696.41	5,295.23	95.00	358.31	1.70
15,835.00	90.42	358.48	10,885.61	5,392.65	693.63	5,389.20	94.00	358.31	2.04
15,930.00	90.64	359.27	10,884.73	5,487.63	691.76	5,484.18	95.00	358.87	0.86
16,024.00	90.02	358.65	10,884.19	5,581.61	690.06	5,578.17	94.00	358.96	0.93
16,118.00	89.76	359.53	10,884.37	5,675.60	688.56	5,672.16	94.00	359.09	0.98



Wellbenders End Of Well Report



Company:	XTO Energy	Local Co-ordinate Reference:	Well #123H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB = 26' @ 3191.00usft (PAT 225)
Site:	Muy Wayno 18 Federal	MD Reference:	RKB = 26' @ 3191.00usft (PAT 225)
Well:	#123H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	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)
16,212.00	88.79	359.09	10,885.56	5,769.58	687.43	5,766.15	94.00	359.31	1.13
16,307.00	89.71	359.09	10,886.80	5,864.56	685.92	5,861.14	95.00	359.09	0.97
16,401.00	90.77	359.18	10,886.41	5,958.55	684.50	5,955.13	94.00	359.13	1.13
16,495.00	87.38	357.86	10,887.93	6,052.49	682.08	6,049.08	94.00	358.52	3.87
16,590.00	89.76	359.18	10,890.30	6,147.42	679.62	6,144.02	95.00	358.52	2.86
16,684.00	90.11	0.06	10,890.40	6,241.41	679.00	6,238.02	94.00	359.62	1.01
16,778.00	90.86	1.29	10,889.61	6,335.40	680.11	6,332.00	94.00	0.67	1.53
16,872.00	91.91	1.73	10,887.34	6,429.34	682.58	6,425.93	94.00	1.51	1.21
16,966.00	93.01	1.99	10,883.30	6,523.20	685.63	6,519.77	94.00	1.86	1.20
17,061.00	93.14	1.73	10,878.20	6,618.01	688.71	6,614.57	95.00	1.86	0.31
17,155.00	93.14	1.20	10,873.06	6,711.84	691.11	6,708.38	94.00	1.47	0.56
17,249.00	90.95	1.29	10,869.70	6,805.75	693.15	6,802.29	94.00	1.25	2.33
17,343.00	90.55	1.20	10,868.47	6,899.72	695.19	6,896.24	94.00	1.24	0.44
17,438.00	89.41	0.85	10,868.50	6,994.71	696.89	6,991.22	95.00	1.03	1.26
17,554.00	89.54	0.68	10,869.57	7,110.69	698.44	7,107.19	116.00	0.76	0.18
17,648.00	88.75	359.71	10,870.97	7,204.68	698.76	7,201.18	94.00	0.20	1.33
17,742.00	89.67	0.15	10,872.27	7,298.67	698.65	7,295.17	94.00	359.93	1.08
17,836.00	89.36	359.80	10,873.06	7,392.66	698.61	7,389.16	94.00	359.98	0.50
17,929.00	89.67	359.36	10,873.85	7,485.66	697.93	7,482.16	93.00	359.58	0.58
18,024.00	89.01	358.70	10,874.94	7,580.64	696.32	7,577.14	95.00	359.03	0.98
18,118.00	88.97	357.25	10,876.60	7,674.56	693.00	7,671.08	94.00	357.98	1.54
18,212.00	92.13	356.98	10,875.70	7,768.43	688.27	7,764.97	94.00	357.12	3.37
18,307.00	91.74	356.81	10,872.49	7,863.23	683.12	7,859.80	95.00	356.89	0.45
18,400.00	90.77	356.63	10,870.45	7,956.06	677.80	7,952.65	93.00	356.72	1.06
18,435.11	90.51	356.50	10,870.06	7,991.10	675.70	7,987.71	35.11	356.57	0.82
MW 18 Fed #123H: LTP									
18,495.00	90.07	356.28	10,869.76	8,050.87	671.93	8,047.49	59.89	356.39	0.82



Wellbenders End Of Well Report



Company: XTO Energy
Project: Eddy County, NM (Nad-27 / East Zone)
Site: Muy Wayno 18 Federal
Well: #123H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #123H
TVD Reference: RKB = 26' @ 3191.00usft (PAT 225)
MD Reference: RKB = 26' @ 3191.00usft (PAT 225)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
18,515.00	90.15	356.19	10,869.72	8,070.83	670.62	8,067.46	20.00	356.24	0.60
18,564.67	90.15	356.19	10,869.59	8,120.38	667.32	8,117.03	49.67	356.19	0.00
MW 18 Fed #123H: PBHL									
18,570.00	90.15	356.19	10,869.57	8,125.71	666.96	8,122.35	5.33	356.19	0.00
Final Station Closure Distance= 8153.03 /Direction= 356.19 - Projection to Bit: 18570.00' MD/ 10869.57' TVD - TD: Latitude = 32.151381 / Longitude = -103.922869 - TD: Y= 419035.91 / X= 627032.86 - Final Bit									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
18,570.00	10,869.57	8,125.71	666.96	Final Station Closure Distance= 8153.03 /Direction= 356.19
18,570.00	10,869.57	8,125.71	666.96	Projection to Bit: 18570.00' MD/ 10869.57' TVD
18,570.00	10,869.57	8,125.71	666.96	TD: Latitude = 32.151381 / Longitude = -103.922869
18,570.00	10,869.57	8,125.71	666.96	TD: Y= 419035.91 / X= 627032.86

Checked By: _____ Approved By: _____ Date: _____