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XTO ENERGY, INC.

Eddy County, NM
Sec. 6, T25S, R29E
Sizzler Federal #2H

30-015-44280

Wellbore #1

Design: Wellbore #1

QES Survey Report

18 June, 2018

QES
DIRECTIONAL DRILLING

Company:	XTO ENERGY, INC.	**Local Co-ordinate Reference:**	Well Sizzler Federal #2H
Project:	Eddy County, NM	**TVD Reference:**	WELL @ 2940.0usft (Frontier #27)
Site:	Sec. 6, T25S, R29E	**MD Reference:**	WELL @ 2940.0usft (Frontier #27)
Well:	Sizzler Federal #2H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 5000.1 Single User Db

Project	Eddy County, NM		
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	Sec. 6, T25S, R29E				
Site Position:		**Northing:**	419,324.05 usft	**Latitude:**	32° 9' 8.798 N
From:	Map	**Easting:**	597,806.00 usft	**Longitude:**	104° 1' 2.285 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.17 °

Well	Sizzler Federal #2H					
Well Position	**+N/-S**	0.0 usft	**Northing:**	419,288.80 usft	**Latitude:**	32° 9' 8.474 N
	+E/-W	0.0 usft	**Easting:**	596,956.00 usft	**Longitude:**	104° 1' 12.174 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	2,913.0 usft

Wellbore	Wellbore #1			
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2015	5/17/2018	7.06	59.91	47,757.55419706

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0
Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**	
	0.0	0.0	0.0	0.04	

Survey Program **Date** 6/18/2018

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
62.0	485.4	Surface Surveys (Wellbore #1)	MWD	OWSG MWD - Standard
561.0	17,120.0	QES MWD Surveys (Wellbore #1)	MWD	OWSG MWD - Standard

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
62.0	0.10	48.00	62.0	0.0	0.0	0.0	0.16	0.16	0.00
126.0	0.50	101.00	126.0	0.0	0.4	0.0	0.70	0.63	82.81
214.0	1.40	105.00	214.0	-0.3	1.8	-0.3	1.02	1.02	4.55
300.6	1.40	113.00	300.6	-1.0	3.8	-1.0	0.23	0.00	9.24
388.9	1.20	122.00	388.8	-1.9	5.5	-1.9	0.32	-0.23	10.19
Gyro Tie-in @ 485.4' MD / 485.3' TVD									
485.4	1.30	133.00	485.3	-3.2	7.2	-3.2	0.27	0.10	11.40
561.0	1.10	126.40	560.9	-4.2	8.4	-4.2	0.32	-0.26	-8.73
625.0	1.20	127.80	624.9	-5.0	9.4	-5.0	0.16	0.16	2.19

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Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
720.0	1.20	131.90	719.9	-6.3	11.0	-6.3	0.09	0.00	4.32
816.0	1.10	129.10	815.8	-7.5	12.4	-7.5	0.12	-0.10	-2.92
912.0	1.10	117.50	911.8	-8.5	14.0	-8.5	0.23	0.00	-12.08
1,007.0	1.20	109.20	1,006.8	-9.3	15.7	-9.3	0.20	0.11	-8.74
1,103.0	1.10	119.00	1,102.8	-10.1	17.5	-10.0	0.23	-0.10	10.21
1,200.0	1.60	113.80	1,199.8	-11.1	19.5	-11.0	0.53	0.52	-5.36
1,295.0	1.30	133.80	1,294.7	-12.3	21.5	-12.3	0.61	-0.32	21.05
1,388.0	0.90	153.00	1,387.7	-13.7	22.6	-13.7	0.58	-0.43	20.65
1,483.0	1.10	161.20	1,482.7	-15.2	23.2	-15.2	0.26	0.21	8.63
1,579.0	1.20	161.60	1,578.7	-17.1	23.8	-17.1	0.10	0.10	0.42
1,675.0	1.20	155.40	1,674.7	-18.9	24.6	-18.9	0.14	0.00	-6.46
1,769.0	1.20	162.50	1,768.6	-20.8	25.3	-20.8	0.16	0.00	7.55
1,864.0	1.10	158.20	1,863.6	-22.6	25.9	-22.6	0.14	-0.11	-4.53
1,959.0	1.10	154.50	1,958.6	-24.2	26.7	-24.2	0.07	0.00	-3.89
2,055.0	1.40	138.90	2,054.6	-26.0	27.8	-25.9	0.47	0.31	-16.25
2,149.0	2.20	137.80	2,148.5	-28.2	29.8	-28.1	0.85	0.85	-1.17
2,245.0	1.70	135.20	2,244.5	-30.5	32.0	-30.5	0.53	-0.52	-2.71
2,341.0	2.10	125.00	2,340.4	-32.6	34.5	-32.5	0.54	0.42	-10.63
2,436.0	2.50	132.70	2,435.3	-35.0	37.4	-34.9	0.53	0.42	8.11
2,532.0	3.00	152.10	2,531.2	-38.6	40.1	-38.6	1.09	0.52	20.21
2,626.0	1.90	166.70	2,625.2	-42.3	41.6	-42.3	1.34	-1.17	15.53
2,722.0	0.40	249.60	2,721.1	-44.0	41.7	-43.9	1.97	-1.56	86.35
2,817.0	0.60	291.00	2,816.1	-43.9	40.9	-43.9	0.42	0.21	43.58
2,912.0	0.40	295.30	2,911.1	-43.6	40.2	-43.5	0.21	-0.21	4.53
3,005.0	0.70	303.10	3,004.1	-43.1	39.4	-43.1	0.33	0.32	8.39
3,101.0	0.60	281.30	3,100.1	-42.7	38.4	-42.7	0.28	-0.10	-22.71
3,196.0	0.70	299.20	3,195.1	-42.3	37.4	-42.3	0.24	0.11	18.84
3,292.0	0.70	286.20	3,291.1	-41.9	36.3	-41.8	0.17	0.00	-13.54
3,387.0	0.50	281.30	3,386.1	-41.6	35.4	-41.6	0.22	-0.21	-5.16
3,483.0	0.70	293.40	3,482.1	-41.3	34.4	-41.3	0.25	0.21	12.60
3,579.0	0.60	274.80	3,578.1	-41.0	33.4	-41.0	0.24	-0.10	-19.38
3,674.0	0.60	269.90	3,673.1	-41.0	32.4	-41.0	0.05	0.00	-5.16
3,770.0	0.50	276.20	3,769.1	-41.0	31.5	-40.9	0.12	-0.10	6.56
3,865.0	0.70	285.30	3,864.1	-40.8	30.5	-40.7	0.23	0.21	9.58
3,961.0	0.70	268.60	3,960.1	-40.6	29.4	-40.6	0.21	0.00	-17.40
4,056.0	0.50	284.30	4,055.1	-40.5	28.4	-40.5	0.27	-0.21	16.53
4,151.0	0.60	255.60	4,150.1	-40.6	27.5	-40.5	0.30	0.11	-30.21
4,247.0	0.50	278.80	4,246.1	-40.6	26.6	-40.6	0.25	-0.10	24.17
4,342.0	0.70	254.70	4,341.0	-40.7	25.6	-40.7	0.33	0.21	-25.37
4,438.0	0.60	248.60	4,437.0	-41.0	24.6	-41.0	0.13	-0.10	-6.35
4,533.0	0.70	253.90	4,532.0	-41.4	23.6	-41.4	0.12	0.11	5.58
4,628.0	0.60	253.30	4,627.0	-41.7	22.5	-41.7	0.11	-0.11	-0.63
4,724.0	0.50	262.50	4,723.0	-41.9	21.6	-41.9	0.14	-0.10	9.58

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Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,819.0	0.40	262.50	4,818.0	-42.0	20.9	-42.0	0.11	-0.11	0.00
4,915.0	0.50	263.50	4,914.0	-42.1	20.1	-42.1	0.10	0.10	1.04
5,011.0	0.40	232.80	5,010.0	-42.3	19.5	-42.3	0.27	-0.10	-31.98
5,106.0	0.70	223.30	5,105.0	-42.9	18.8	-42.9	0.33	0.32	-10.00
5,202.0	0.80	218.20	5,201.0	-43.9	18.0	-43.9	0.13	0.10	-5.31
5,297.0	0.70	230.00	5,296.0	-44.8	17.1	-44.8	0.19	-0.11	12.42
5,392.0	0.60	216.10	5,391.0	-45.6	16.4	-45.6	0.20	-0.11	-14.63
5,485.0	0.80	213.60	5,484.0	-46.5	15.7	-46.5	0.22	0.22	-2.69
5,580.0	0.70	201.30	5,579.0	-47.6	15.2	-47.6	0.20	-0.11	-12.95
5,676.0	0.70	198.50	5,675.0	-48.7	14.8	-48.7	0.04	0.00	-2.92
5,771.0	0.60	191.10	5,770.0	-49.7	14.5	-49.7	0.14	-0.11	-7.79
5,867.0	0.70	202.50	5,866.0	-50.8	14.2	-50.8	0.17	0.10	11.88
5,962.0	0.60	185.80	5,960.9	-51.8	13.9	-51.8	0.22	-0.11	-17.58
6,058.0	0.70	169.30	6,056.9	-52.9	14.0	-52.9	0.22	0.10	-17.19
6,154.0	0.90	164.70	6,152.9	-54.2	14.3	-54.2	0.22	0.21	-4.79
6,249.0	1.00	169.00	6,247.9	-55.7	14.6	-55.7	0.13	0.11	4.53
6,343.0	1.10	158.90	6,341.9	-57.4	15.1	-57.4	0.22	0.11	-10.74
6,438.0	1.20	177.70	6,436.9	-59.2	15.5	-59.2	0.41	0.11	19.79
6,533.0	1.00	168.80	6,531.9	-61.0	15.7	-61.0	0.28	-0.21	-9.37
6,628.0	0.80	182.30	6,626.9	-62.5	15.8	-62.5	0.31	-0.21	14.21
6,723.0	0.80	208.00	6,721.8	-63.7	15.5	-63.7	0.37	0.00	27.05
6,819.0	1.10	218.20	6,817.8	-65.1	14.6	-65.0	0.36	0.31	10.63
6,915.0	1.80	228.90	6,913.8	-66.8	12.9	-66.8	0.78	0.73	11.15
7,009.0	1.50	241.00	7,007.8	-68.3	10.7	-68.3	0.49	-0.32	12.87
7,103.0	0.90	268.60	7,101.7	-69.0	8.9	-68.9	0.87	-0.64	29.36
7,197.0	0.90	286.40	7,195.7	-68.8	7.4	-68.8	0.30	0.00	18.94
7,293.0	1.20	312.40	7,291.7	-67.9	6.0	-67.9	0.58	0.31	27.08
7,389.0	1.80	336.30	7,387.7	-65.8	4.6	-65.8	0.89	0.63	24.90
7,484.0	1.70	340.30	7,482.6	-63.1	3.5	-63.1	0.17	-0.11	4.21
7,579.0	1.30	323.60	7,577.6	-60.9	2.4	-60.9	0.62	-0.42	-17.58
7,674.0	0.90	324.50	7,672.6	-59.4	1.3	-59.4	0.42	-0.42	0.95
7,770.0	0.60	344.40	7,768.6	-58.4	0.8	-58.4	0.41	-0.31	20.73
7,865.0	0.10	23.90	7,863.6	-57.8	0.7	-57.8	0.55	-0.53	41.58
7,960.0	1.00	116.40	7,958.6	-58.1	1.4	-58.1	1.06	0.95	97.37
8,055.0	0.30	64.00	8,053.6	-58.3	2.4	-58.3	0.90	-0.74	-55.16
8,151.0	0.40	57.70	8,149.6	-58.1	2.9	-58.1	0.11	0.10	-6.56
8,245.0	0.70	30.10	8,243.6	-57.4	3.5	-57.4	0.42	0.32	-29.36
8,340.0	0.80	35.20	8,338.6	-56.3	4.2	-56.3	0.13	0.11	5.37
8,434.0	0.30	58.90	8,432.5	-55.7	4.8	-55.7	0.57	-0.53	25.21
8,529.0	0.20	161.90	8,527.5	-55.7	5.0	-55.7	0.42	-0.11	108.42
8,623.0	0.30	273.40	8,621.5	-55.9	4.8	-55.8	0.44	0.11	118.62
8,719.0	0.80	242.30	8,717.5	-56.1	4.0	-56.1	0.59	0.52	-32.40
8,813.0	1.10	261.20	8,811.5	-56.6	2.5	-56.6	0.46	0.32	20.11

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8,908.0	1.20	241.70	8,906.5	-57.2	0.7	-57.2	0.42	0.11	-20.53
9,002.0	1.30	245.80	9,000.5	-58.1	-1.1	-58.1	0.14	0.11	4.36
9,097.0	1.00	238.40	9,095.5	-59.0	-2.8	-59.0	0.35	-0.32	-7.79
9,178.0	0.80	238.40	9,176.5	-59.6	-3.9	-59.7	0.25	-0.25	0.00
9,226.0	1.30	345.10	9,224.5	-59.3	-4.3	-59.3	3.56	1.04	222.29
9,274.0	9.20	358.60	9,272.2	-54.9	-4.5	-54.9	16.55	16.46	28.13
9,322.0	18.60	357.70	9,318.8	-43.4	-4.9	-43.4	19.59	19.58	-1.88
9,369.0	25.00	354.60	9,362.4	-26.0	-6.2	-26.0	13.83	13.62	-6.60
9,417.0	29.10	353.40	9,405.1	-4.3	-8.5	-4.3	8.62	8.54	-2.50
9,465.0	31.90	354.60	9,446.5	19.9	-11.0	19.9	5.97	5.83	2.50
9,513.0	34.40	355.80	9,486.7	46.1	-13.2	46.0	5.38	5.21	2.50
9,560.0	38.90	357.60	9,524.4	74.1	-14.8	74.0	9.84	9.57	3.83
9,608.0	43.30	359.00	9,560.5	105.6	-15.7	105.6	9.36	9.17	2.92
9,656.0	45.60	0.20	9,594.8	139.2	-15.9	139.2	5.10	4.79	2.50
330' HL Crossed @ 9670.8' MD / 9605.1' TVD									
9,670.8	46.25	0.33	9,605.1	149.8	-15.9	149.8	4.42	4.37	0.85
9,704.0	47.70	0.60	9,627.7	174.1	-15.7	174.1	4.42	4.38	0.82
9,751.0	48.80	1.30	9,659.0	209.2	-15.1	209.1	2.59	2.34	1.49
9,799.0	49.70	1.80	9,690.4	245.5	-14.1	245.5	2.03	1.88	1.04
9,847.0	51.20	1.10	9,720.9	282.5	-13.2	282.5	3.32	3.13	-1.46
9,895.0	57.10	0.00	9,749.0	321.4	-12.8	321.4	12.43	12.29	-2.29
9,943.0	61.70	358.80	9,773.4	362.7	-13.3	362.7	9.82	9.58	-2.50
9,991.0	67.40	359.20	9,794.1	406.0	-14.0	406.0	11.90	11.88	0.83
10,038.0	74.20	359.50	9,809.5	450.4	-14.5	450.4	14.48	14.47	0.64
10,086.0	78.40	359.70	9,820.9	497.0	-14.9	497.0	8.76	8.75	0.42
10,133.0	79.70	359.90	9,829.8	543.1	-15.0	543.1	2.80	2.77	0.43
10,181.0	82.30	0.00	9,837.3	590.5	-15.1	590.5	5.42	5.42	0.21
10,227.0	83.30	359.50	9,843.1	636.2	-15.3	636.2	2.43	2.17	-1.09
10,275.0	83.70	359.00	9,848.5	683.9	-15.9	683.9	1.33	0.83	-1.04
10,323.0	84.60	358.60	9,853.4	731.6	-16.9	731.6	2.05	1.88	-0.83
10,371.0	85.20	359.00	9,857.7	779.4	-17.9	779.4	1.50	1.25	0.83
10,418.0	87.00	359.20	9,860.9	826.3	-18.6	826.3	3.85	3.83	0.43
10,466.0	89.30	359.00	9,862.4	874.3	-19.4	874.2	4.81	4.79	-0.42
10,513.0	91.50	359.30	9,862.1	921.2	-20.1	921.2	4.72	4.68	0.64
10,608.0	92.80	359.30	9,858.5	1,016.2	-21.2	1,016.2	1.37	1.37	0.00
10,704.0	92.20	359.20	9,854.3	1,112.1	-22.5	1,112.0	0.63	-0.63	-0.10
10,799.0	90.70	357.70	9,851.9	1,207.0	-25.1	1,207.0	2.23	-1.58	-1.58
10,895.0	91.00	357.70	9,850.5	1,302.9	-28.9	1,302.9	0.31	0.31	0.00
10,990.0	92.30	357.70	9,847.8	1,397.8	-32.7	1,397.8	1.37	1.37	0.00
11,085.0	91.10	357.20	9,845.0	1,492.7	-36.9	1,492.6	1.37	-1.26	-0.53
11,181.0	90.70	359.20	9,843.5	1,588.6	-40.0	1,588.6	2.12	-0.42	2.08
11,277.0	90.00	0.40	9,842.9	1,684.6	-40.3	1,684.6	1.45	-0.73	1.25
11,373.0	88.30	0.40	9,844.3	1,780.6	-39.6	1,780.5	1.77	-1.77	0.00
11,469.0	90.00	2.50	9,845.7	1,876.5	-37.2	1,876.5	2.81	1.77	2.19

Company:	XTO ENERGY, INC.	**Local Co-ordinate Reference:**	Well Sizzler Federal #2H
Project:	Eddy County, NM	**TVD Reference:**	WELL @ 2940.0usft (Frontier #27)
Site:	Sec. 6, T25S, R29E	**MD Reference:**	WELL @ 2940.0usft (Frontier #27)
Well:	Sizzler Federal #2H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,564.0	88.80	3.60	9,846.7	1,971.4	-32.1	1,971.3	1.71	-1.26	1.16
11,658.0	88.90	2.80	9,848.6	2,065.2	-26.9	2,065.2	0.86	0.11	-0.85
11,754.0	90.20	3.20	9,849.3	2,161.1	-21.9	2,161.1	1.42	1.35	0.42
11,849.0	90.10	2.00	9,849.1	2,256.0	-17.6	2,256.0	1.27	-0.11	-1.26
11,944.0	90.60	359.70	9,848.5	2,351.0	-16.1	2,350.9	2.48	0.53	-2.42
12,040.0	91.70	359.90	9,846.6	2,446.9	-16.5	2,446.9	1.16	1.15	0.21
12,136.0	89.90	357.90	9,845.3	2,542.9	-18.3	2,542.9	2.80	-1.88	-2.08
12,232.0	89.00	358.10	9,846.2	2,638.8	-21.7	2,638.8	0.96	-0.94	0.21
12,327.0	89.50	358.50	9,847.4	2,733.8	-24.5	2,733.8	0.67	0.53	0.42
12,423.0	90.10	358.50	9,847.8	2,829.7	-27.0	2,829.7	0.63	0.63	0.00
12,517.0	90.00	357.40	9,847.7	2,923.7	-30.4	2,923.7	1.18	-0.11	-1.17
12,612.0	89.20	358.10	9,848.3	3,018.6	-34.1	3,018.6	1.12	-0.84	0.74
12,708.0	89.90	359.90	9,849.1	3,114.6	-35.8	3,114.6	2.01	0.73	1.88
12,802.0	90.10	359.50	9,849.1	3,208.6	-36.3	3,208.6	0.48	0.21	-0.43
12,897.0	91.00	359.50	9,848.2	3,303.6	-37.1	3,303.5	0.95	0.95	0.00
12,992.0	88.50	359.90	9,848.6	3,398.6	-37.6	3,398.5	2.67	-2.63	0.42
13,088.0	89.20	359.00	9,850.5	3,494.5	-38.5	3,494.5	1.19	0.73	-0.94
13,183.0	89.20	358.80	9,851.8	3,589.5	-40.3	3,589.5	0.21	0.00	-0.21
13,278.0	89.10	357.70	9,853.3	3,684.5	-43.2	3,684.4	1.16	-0.11	-1.16
13,374.0	88.40	358.80	9,855.3	3,780.4	-46.2	3,780.4	1.36	-0.73	1.15
13,468.0	90.00	0.40	9,856.7	3,874.4	-46.8	3,874.3	2.41	1.70	1.70
13,563.0	90.60	0.90	9,856.2	3,969.4	-45.7	3,969.3	0.82	0.63	0.53
13,659.0	88.30	0.20	9,857.1	4,065.3	-44.8	4,065.3	2.50	-2.40	-0.73
13,754.0	88.40	359.90	9,859.8	4,160.3	-44.7	4,160.3	0.33	0.11	-0.32
13,850.0	91.00	0.90	9,860.3	4,256.3	-44.1	4,256.3	2.90	2.71	1.04
13,945.0	92.30	0.90	9,857.6	4,351.2	-42.6	4,351.2	1.37	1.37	0.00
14,039.0	92.00	2.30	9,854.1	4,445.1	-40.0	4,445.1	1.52	-0.32	1.49
14,134.0	93.20	1.80	9,849.8	4,540.0	-36.6	4,539.9	1.37	1.26	-0.53
14,230.0	90.60	0.60	9,846.6	4,635.9	-34.6	4,635.9	2.98	-2.71	-1.25
14,325.0	89.50	0.60	9,846.5	4,730.9	-33.6	4,730.9	1.16	-1.16	0.00
14,421.0	90.10	0.40	9,846.8	4,826.9	-32.7	4,826.9	0.66	0.63	-0.21
14,517.0	90.10	2.10	9,846.7	4,922.9	-30.6	4,922.8	1.77	0.00	1.77
14,613.0	88.10	1.10	9,848.2	5,018.8	-27.9	5,018.8	2.33	-2.08	-1.04
14,708.0	88.10	0.00	9,851.3	5,113.7	-27.0	5,113.7	1.16	0.00	-1.16
14,802.0	89.60	0.60	9,853.2	5,207.7	-26.5	5,207.7	1.72	1.60	0.64
14,897.0	90.90	0.70	9,852.8	5,302.7	-25.5	5,302.7	1.37	1.37	0.11
14,992.0	92.20	0.40	9,850.2	5,397.7	-24.6	5,397.6	1.40	1.37	-0.32
15,087.0	90.00	0.60	9,848.4	5,492.6	-23.7	5,492.6	2.33	-2.32	0.21
15,183.0	88.90	359.00	9,849.3	5,588.6	-24.1	5,588.6	2.02	-1.15	-1.67
15,275.0	90.40	358.50	9,849.9	5,680.6	-26.1	5,680.6	1.72	1.63	-0.54
15,371.0	90.80	0.60	9,848.9	5,776.6	-26.8	5,776.6	2.23	0.42	2.19
15,466.0	92.20	357.40	9,846.4	5,871.5	-28.5	5,871.5	3.68	1.47	-3.37
15,561.0	90.10	358.10	9,844.5	5,966.4	-32.2	5,966.4	2.33	-2.21	0.74

Company:	XTO ENERGY, INC.	**Local Co-ordinate Reference:**	Well Sizzler Federal #2H
Project:	Eddy County, NM	**TVD Reference:**	WELL @ 2940.0usft (Frontier #27)
Site:	Sec. 6, T25S, R29E	**MD Reference:**	WELL @ 2940.0usft (Frontier #27)
Well:	Sizzler Federal #2H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,657.0	89.40	359.30	9,844.9	6,062.4	-34.4	6,062.4	1.45	-0.73	1.25
15,753.0	90.30	359.30	9,845.1	6,158.4	-35.6	6,158.4	0.94	0.94	0.00
15,846.0	89.40	0.00	9,845.4	6,251.4	-36.1	6,251.4	1.23	-0.97	0.75
15,941.0	88.20	359.70	9,847.4	6,346.4	-36.4	6,346.3	1.30	-1.26	-0.32
16,036.0	91.70	0.90	9,847.5	6,441.3	-35.9	6,441.3	3.89	3.68	1.26
16,131.0	91.50	0.90	9,844.8	6,536.3	-34.4	6,536.3	0.21	-0.21	0.00
16,226.0	88.20	0.60	9,845.1	6,631.3	-33.1	6,631.3	3.49	-3.47	-0.32
16,322.0	92.00	1.40	9,844.9	6,727.2	-31.5	6,727.2	4.05	3.96	0.83
16,415.0	89.90	0.70	9,843.3	6,820.2	-29.8	6,820.2	2.38	-2.26	-0.75
16,510.0	92.20	1.40	9,841.6	6,915.2	-28.0	6,915.1	2.53	2.42	0.74
16,605.0	91.20	359.20	9,838.8	7,010.1	-27.5	7,010.1	2.54	-1.05	-2.32
16,700.0	90.30	0.20	9,837.5	7,105.1	-28.0	7,105.1	1.42	-0.95	1.05
16,794.0	87.10	358.60	9,839.7	7,199.1	-29.0	7,199.0	3.81	-3.40	-1.70
16,891.0	88.50	357.60	9,843.4	7,295.9	-32.2	7,295.9	1.77	1.44	-1.03
16,987.0	90.00	357.20	9,844.7	7,391.8	-36.6	7,391.8	1.62	1.56	-0.42
330' HL Crossed @ 17033.9' MD / 9844.5' TVD									
17,033.9	90.50	357.09	9,844.5	7,438.7	-38.9	7,438.6	1.10	1.07	-0.24
17,071.0	90.90	357.00	9,844.0	7,475.7	-40.8	7,475.7	1.10	1.07	-0.24
TD @ 17120.0' MD / 9843.2' TVD									
17,120.0	90.90	357.00	9,843.2	7,524.6	-43.4	7,524.6	0.00	0.00	0.00

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
485.4	485.3	-3.2	7.2	Gyro Tie-in @ 485.4' MD / 485.3' TVD
9,670.8	9,605.1	149.8	-15.9	330' HL Crossed @ 9670.8' MD / 9605.1' TVD
17,033.9	9,844.5	7,438.7	-38.9	330' HL Crossed @ 17033.9' MD / 9844.5' TVD
17,120.0	9,843.2	7,524.6	-43.4	TD @ 17120.0' MD / 9843.2' TVD

Checked By: _____ Approved By: _____ Date: _____