

Survey Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well Los Medanos 36-23-30 State 801H
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3412+25 @ 3437.00usft (Tri101)
Site:	Los Medanos 36-23-30 State	MD Reference:	3412+25 @ 3437.00usft (Tri101)
Well:	Los Medanos 36-23-30 State 801H	North Reference:	Grid
Wellbore:	801H L1	Survey Calculation Method:	Minimum Curvature
Design:	801H L1 (AsDrilled)	Database:	STRYKER_EDM

Project	Eddy County, NM (NAD27) NMEZ Grid		
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		Los Medanos 36-23-30 State			
Site Position:		Northing:	456,871.90 usft	Latitude:	32.25508879
From:	Map	Easting:	652,961.40 usft	Longitude:	-103.83852892
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence:	0.26 °

Well	Los Medanos 36-23-30 State 801H					
Well Position	+N/-S	0.00 usft	Northing:	456,811.70 usft	Latitude:	32.25492331
	+E/-W	0.00 usft	Easting:	652,961.10 usft	Longitude:	-103.83853078
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,412.00 usft

Wellbore	801H L1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/21/18	6.92	60.03	47,772.91420147

Design	801H L1 (AsDrilled)				
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	349.30	

Survey Program	Date	02/12/19			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.00	3,680.00	Survey #2 (801H L1)	Gyrodata New 2-16-16	Gyrodata Stationary Tool drop on BHA	
3,948.00	15,455.00	Survey #3 (801H L1)	MWD	OWSG MWD - Standard	
15,500.00	15,500.00	Survey #4 (801H L1)	Projection	Projection	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Los Medanos 36-23-30 801H SHL									
100.00	0.21	210.90	100.00	-0.16	-0.09	-0.14	0.21	0.21	0.00
200.00	0.27	201.30	200.00	-0.53	-0.27	-0.47	0.07	0.06	-9.60
300.00	0.41	214.70	300.00	-1.05	-0.56	-0.92	0.16	0.14	13.40
400.00	0.45	223.41	399.99	-1.63	-1.04	-1.41	0.08	0.04	8.71
500.00	0.84	212.81	499.99	-2.53	-1.70	-2.17	0.41	0.39	-10.60
600.00	0.66	228.50	599.98	-3.53	-2.53	-2.99	0.27	-0.18	15.69
700.00	1.06	220.91	699.97	-4.61	-3.57	-3.86	0.42	0.40	-7.59

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Wellbore:	801H L1	Survey Calculation Method:	Minimum Curvature
Design:	801H L1 (AsDrilled)	Database:	STRYKER_EDM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
800.00	1.36	222.86	799.95	-6.18	-4.98	-5.14	0.30	0.30	1.95
900.00	1.27	235.15	899.92	-7.68	-6.70	-6.30	0.30	-0.09	12.29
1,000.00	1.55	226.57	999.89	-9.24	-8.59	-7.49	0.35	0.28	-8.58
1,100.00	1.25	223.70	1,099.86	-10.96	-10.33	-8.85	0.31	-0.30	-2.87
1,200.00	0.49	210.02	1,199.85	-12.12	-11.29	-9.81	0.78	-0.76	-13.68
1,300.00	0.42	234.31	1,299.84	-12.70	-11.81	-10.29	0.20	-0.07	24.29
1,400.00	0.26	254.96	1,399.84	-12.98	-12.32	-10.46	0.20	-0.16	20.65
1,500.00	0.33	246.50	1,499.84	-13.15	-12.81	-10.54	0.08	0.07	-8.46
1,600.00	0.25	245.59	1,599.84	-13.35	-13.27	-10.66	0.08	-0.08	-0.91
1,700.00	0.19	230.62	1,699.84	-13.55	-13.60	-10.79	0.08	-0.06	-14.97
1,800.00	0.44	242.93	1,799.84	-13.83	-14.07	-10.98	0.26	0.25	12.31
1,900.00	0.45	239.96	1,899.83	-14.20	-14.75	-11.22	0.03	0.01	-2.97
2,000.00	0.46	257.47	1,999.83	-14.48	-15.48	-11.36	0.14	0.01	17.51
2,100.00	0.52	260.37	2,099.83	-14.65	-16.32	-11.36	0.06	0.06	2.90
2,200.00	0.71	263.03	2,199.82	-14.80	-17.38	-11.31	0.19	0.19	2.66
2,300.00	0.51	268.29	2,299.82	-14.89	-18.44	-11.20	0.21	-0.20	5.26
2,400.00	0.58	270.07	2,399.81	-14.90	-19.39	-11.04	0.07	0.07	1.78
2,500.00	0.86	262.05	2,499.80	-15.00	-20.64	-10.91	0.30	0.28	-8.02
2,600.00	0.86	270.33	2,599.79	-15.10	-22.13	-10.73	0.12	0.00	8.28
2,700.00	0.78	271.66	2,699.78	-15.08	-23.57	-10.44	0.08	-0.08	1.33
2,800.00	0.88	267.52	2,799.77	-15.09	-25.01	-10.19	0.12	0.10	-4.14
2,900.00	1.04	274.14	2,899.76	-15.06	-26.69	-9.84	0.19	0.16	6.62
3,000.00	1.34	267.01	2,999.74	-15.06	-28.76	-9.45	0.33	0.30	-7.13
3,100.00	1.15	281.64	3,099.71	-14.91	-30.91	-8.92	0.37	-0.19	14.63
3,200.00	1.48	274.97	3,199.69	-14.60	-33.18	-8.19	0.36	0.33	-6.67
3,300.00	1.41	270.33	3,299.65	-14.48	-35.69	-7.60	0.14	-0.07	-4.64
3,400.00	1.09	251.87	3,399.63	-14.77	-37.83	-7.49	0.51	-0.32	-18.46
3,500.00	0.91	241.15	3,499.62	-15.45	-39.43	-7.86	0.26	-0.18	-10.72
3,600.00	1.03	224.95	3,599.60	-16.47	-40.76	-8.61	0.30	0.12	-16.20
3,680.00	1.32	217.50	3,679.58	-17.71	-41.83	-9.63	0.41	0.36	-9.31
3,948.00	2.20	188.20	3,947.46	-25.25	-44.44	-16.56	0.46	0.33	-10.93
First Stryker Survey									
4,039.00	1.90	188.50	4,038.40	-28.47	-44.91	-19.64	0.33	-0.33	0.33
4,130.00	2.20	198.90	4,129.34	-31.61	-45.70	-22.58	0.52	0.33	11.43
4,221.00	2.70	209.40	4,220.26	-35.13	-47.32	-25.74	0.74	0.55	11.54
4,309.00	3.60	217.10	4,308.13	-39.14	-50.00	-29.18	1.13	1.02	8.75
4,400.00	5.10	221.40	4,398.86	-44.46	-54.40	-33.58	1.69	1.65	4.73
4,491.00	5.90	224.40	4,489.44	-50.83	-60.35	-38.74	0.93	0.88	3.30
4,583.00	6.00	224.60	4,580.95	-57.63	-67.03	-44.19	0.11	0.11	0.22
4,674.00	5.90	224.10	4,671.46	-64.38	-73.63	-49.59	0.12	-0.11	-0.55
4,763.00	5.90	223.70	4,759.99	-70.97	-79.97	-54.89	0.05	0.00	-0.45
4,855.00	5.80	223.90	4,851.51	-77.74	-86.46	-60.33	0.11	-0.11	0.22
4,946.00	5.50	224.50	4,942.07	-84.16	-92.71	-65.49	0.34	-0.33	0.66

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Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,037.00	5.00	223.00	5,032.68	-90.17	-98.47	-70.32	0.57	-0.55	-1.65
5,128.00	4.70	223.40	5,123.36	-95.78	-103.73	-74.86	0.33	-0.33	0.44
5,217.00	5.50	232.60	5,212.01	-101.02	-109.63	-78.91	1.28	0.90	10.34
5,307.00	6.50	235.50	5,301.51	-106.53	-117.25	-82.91	1.16	1.11	3.22
5,399.00	7.40	237.80	5,392.83	-112.63	-126.56	-87.18	1.02	0.98	2.50
5,490.00	7.50	239.70	5,483.07	-118.75	-136.64	-91.32	0.29	0.11	2.09
5,580.00	6.90	241.10	5,572.36	-124.33	-146.45	-94.98	0.69	-0.67	1.56
5,670.00	6.70	241.80	5,661.72	-129.42	-155.81	-98.24	0.24	-0.22	0.78
5,759.00	7.00	241.20	5,750.09	-134.49	-165.14	-101.49	0.35	0.34	-0.67
5,849.00	7.70	235.30	5,839.35	-140.56	-174.90	-105.65	1.14	0.78	-6.56
5,940.00	7.60	234.50	5,929.54	-147.53	-184.81	-110.65	0.16	-0.11	-0.88
6,030.00	7.40	234.60	6,018.77	-154.34	-194.38	-115.57	0.22	-0.22	0.11
6,120.00	7.20	234.60	6,108.04	-160.97	-203.70	-120.35	0.22	-0.22	0.00
6,212.00	9.00	233.80	6,199.12	-168.56	-214.21	-125.85	1.96	1.96	-0.87
6,301.00	9.30	234.60	6,286.99	-176.83	-225.69	-131.86	0.37	0.34	0.90
6,394.00	8.70	235.30	6,378.84	-185.19	-237.60	-137.86	0.66	-0.65	0.75
6,485.00	8.10	229.20	6,468.87	-193.30	-248.11	-143.87	1.18	-0.66	-6.70
6,576.00	9.00	232.40	6,558.85	-201.83	-258.60	-150.31	1.12	0.99	3.52
6,667.00	9.90	232.10	6,648.62	-210.98	-270.41	-157.10	0.99	0.99	-0.33
6,758.00	9.80	234.10	6,738.28	-220.33	-282.86	-163.98	0.39	-0.11	2.20
6,849.00	9.60	233.20	6,827.98	-229.41	-295.21	-170.61	0.28	-0.22	-0.99
6,939.00	9.00	233.80	6,916.79	-238.07	-306.90	-176.95	0.68	-0.67	0.67
7,031.00	9.30	239.00	7,007.62	-246.14	-319.08	-182.62	0.96	0.33	5.65
7,120.00	9.00	243.10	7,095.49	-253.00	-331.45	-187.06	0.81	-0.34	4.61
7,212.00	9.20	253.50	7,186.34	-258.34	-344.92	-189.81	1.80	0.22	11.30
7,304.00	9.10	254.20	7,277.17	-262.41	-358.97	-191.20	0.16	-0.11	0.76
7,396.00	8.50	259.50	7,368.09	-265.63	-372.66	-191.82	1.10	-0.65	5.76
7,487.00	8.70	272.10	7,458.07	-266.61	-386.15	-190.27	2.08	0.22	13.85
7,578.00	8.70	274.90	7,548.03	-265.77	-399.89	-186.90	0.47	0.00	3.08
7,668.00	8.00	274.60	7,637.07	-264.68	-412.91	-183.42	0.78	-0.78	-0.33
7,759.00	9.00	272.50	7,727.07	-263.86	-426.33	-180.12	1.15	1.10	-2.31
7,850.00	8.70	270.40	7,816.99	-263.51	-440.33	-177.17	0.48	-0.33	-2.31
7,939.00	7.80	269.90	7,905.07	-263.47	-453.10	-174.76	1.01	-1.01	-0.56
8,030.00	7.30	267.10	7,995.28	-263.77	-465.05	-172.84	0.68	-0.55	-3.08
8,121.00	7.80	266.90	8,085.49	-264.40	-476.99	-171.24	0.55	0.55	-0.22
8,211.00	8.30	271.10	8,174.60	-264.60	-489.58	-169.10	0.86	0.56	4.67
8,303.00	9.30	276.00	8,265.52	-263.70	-503.61	-165.61	1.36	1.09	5.33
8,394.00	9.10	272.00	8,355.35	-262.68	-518.12	-161.91	0.74	-0.22	-4.40
8,486.00	7.80	272.00	8,446.35	-262.21	-531.63	-158.94	1.41	-1.41	0.00
8,578.00	6.10	277.30	8,537.67	-261.37	-542.72	-156.06	1.97	-1.85	5.76
8,670.00	7.40	279.30	8,629.03	-259.79	-553.41	-152.52	1.44	1.41	2.17
8,761.00	7.90	280.00	8,719.22	-257.76	-565.35	-148.31	0.56	0.55	0.77
8,852.00	7.40	274.50	8,809.41	-256.21	-577.36	-144.56	0.97	-0.55	-6.04
8,943.00	7.90	269.40	8,899.60	-255.82	-589.45	-141.93	0.93	0.55	-5.60

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Wellbore:	801H L1	Survey Calculation Method:	Minimum Curvature
Design:	801H L1 (AsDrilled)	Database:	STRYKER_EDM

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,033.00	9.40	268.30	8,988.58	-256.10	-602.98	-139.69	1.68	1.67	-1.22
9,124.00	9.50	269.80	9,078.34	-256.35	-617.92	-137.16	0.29	0.11	1.65
9,215.00	8.50	269.80	9,168.22	-256.40	-632.16	-134.57	1.10	-1.10	0.00
9,305.00	8.40	270.80	9,257.24	-256.33	-645.38	-132.04	0.20	-0.11	1.11
9,397.00	8.60	269.50	9,348.23	-256.29	-658.98	-129.49	0.30	0.22	-1.41
9,488.00	9.50	272.40	9,438.10	-256.04	-673.29	-126.58	1.11	0.99	3.19
9,580.00	9.00	274.00	9,528.90	-255.22	-688.05	-123.03	0.61	-0.54	1.74
9,672.00	10.00	275.10	9,619.64	-254.01	-703.18	-119.03	1.10	1.09	1.20
9,763.00	9.60	274.50	9,709.31	-252.71	-718.62	-114.89	0.45	-0.44	-0.66
9,855.00	8.30	272.30	9,800.19	-251.84	-732.90	-111.39	1.46	-1.41	-2.39
9,939.00	8.00	273.30	9,883.34	-251.26	-744.80	-108.61	0.39	-0.36	1.19
9,985.00	12.80	298.30	9,928.59	-248.66	-752.49	-104.62	14.10	10.43	54.35
10,031.00	18.50	311.40	9,972.88	-241.41	-762.46	-95.65	14.51	12.39	28.48
10,077.00	22.90	317.70	10,015.91	-229.96	-773.96	-82.26	10.71	9.57	13.70
10,086.00	23.23	319.82	10,024.19	-227.30	-776.29	-79.22	9.91	3.64	23.54
Wellpath Crosses FTP									
10,122.00	24.80	327.70	10,057.08	-215.50	-784.90	-66.02	9.91	4.37	21.89
10,167.00	25.10	328.60	10,097.88	-199.37	-794.92	-48.31	1.08	0.67	2.00
10,213.00	26.50	331.80	10,139.30	-182.00	-804.85	-29.40	4.29	3.04	6.96
10,259.00	30.50	335.40	10,179.72	-162.33	-814.57	-8.27	9.46	8.70	7.83
10,305.00	33.50	336.30	10,218.72	-140.09	-824.53	15.44	6.60	6.52	1.96
10,350.00	37.20	340.90	10,255.43	-115.85	-833.98	41.01	10.12	8.22	10.22
10,396.00	40.70	345.60	10,291.20	-88.17	-842.26	69.75	9.95	7.61	10.22
10,441.00	43.20	346.50	10,324.67	-58.97	-849.51	99.78	5.71	5.56	2.00
10,454.83	44.03	346.91	10,334.68	-49.69	-851.70	109.31	6.33	5.99	2.99
Los Medanos 36-23-30 801H FTP_100FSL_330FWL									
10,486.00	45.90	347.80	10,356.74	-28.20	-856.52	131.32	6.33	6.01	2.85
10,532.00	50.70	350.80	10,387.33	5.54	-862.86	165.65	11.51	10.43	6.52
10,578.00	57.50	355.30	10,414.30	42.50	-867.30	202.79	16.77	14.78	9.78
10,623.00	63.60	357.20	10,436.41	81.58	-869.85	241.66	14.04	13.56	4.22
10,669.00	68.00	357.90	10,455.27	123.49	-871.63	283.18	9.67	9.57	1.52
10,714.00	72.30	359.40	10,470.54	165.79	-872.62	324.93	10.06	9.56	3.33
10,760.00	76.70	0.10	10,482.83	210.11	-872.81	368.51	9.68	9.57	1.52
10,805.00	81.80	359.80	10,491.22	254.30	-872.85	411.94	11.35	11.33	-0.67
10,849.39	87.62	359.90	10,495.31	298.49	-872.97	455.38	13.11	13.11	0.22
Los Medanos 36-23-30 801H LP									
10,850.00	87.70	359.90	10,495.34	299.09	-872.97	455.98	13.11	13.11	0.22
10,896.00	90.00	359.50	10,496.26	345.08	-873.21	501.21	5.08	5.00	-0.87
10,940.00	90.60	359.30	10,496.03	389.08	-873.67	544.53	1.44	1.36	-0.45
11,032.00	91.80	359.00	10,494.11	481.05	-875.04	635.15	1.34	1.30	-0.33
11,125.00	89.90	0.30	10,492.73	574.03	-875.60	726.62	2.48	-2.04	1.40
11,204.00	90.20	359.60	10,492.66	653.03	-875.67	804.26	0.96	0.38	-0.89
11,313.00	91.70	359.30	10,490.85	762.00	-876.72	911.53	1.40	1.38	-0.28
11,405.00	90.20	359.40	10,489.32	853.98	-877.76	1,002.11	1.63	-1.63	0.11

Survey Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well Los Medanos 36-23-30 State 801H
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3412+25 @ 3437.00usft (Tri101)
Site:	Los Medanos 36-23-30 State	MD Reference:	3412+25 @ 3437.00usft (Tri101)
Well:	Los Medanos 36-23-30 State 801H	North Reference:	Grid
Wellbore:	801H L1	Survey Calculation Method:	Minimum Curvature
Design:	801H L1 (AsDrilled)	Database:	STRYKER_EDM

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
11,496.00	88.60	359.90	10,490.28	944.97	-878.32	1,091.62	1.84	-1.76	0.55
11,586.00	90.00	359.40	10,491.38	1,034.96	-878.87	1,180.14	1.65	1.56	-0.56
11,678.00	89.30	0.80	10,491.94	1,126.96	-878.71	1,270.51	1.70	-0.76	1.52
11,769.00	90.20	0.90	10,492.34	1,217.95	-877.36	1,359.67	1.00	0.99	0.11
11,860.00	88.80	0.80	10,493.13	1,308.93	-876.01	1,448.82	1.54	-1.54	-0.11
11,951.00	88.10	0.90	10,495.59	1,399.89	-874.66	1,537.94	0.78	-0.77	0.11
12,041.00	87.80	359.40	10,498.81	1,489.82	-874.42	1,626.27	1.70	-0.33	-1.67
12,132.00	86.80	358.20	10,503.10	1,580.70	-876.33	1,715.92	1.72	-1.10	-1.32
12,222.00	87.40	357.90	10,507.65	1,670.53	-879.39	1,804.76	0.75	0.67	-0.33
12,313.00	89.40	357.20	10,510.19	1,761.41	-883.27	1,894.78	2.33	2.20	-0.77
12,404.00	92.40	357.10	10,508.76	1,852.28	-887.80	1,984.90	3.30	3.30	-0.11
12,495.00	93.70	358.70	10,503.92	1,943.08	-891.13	2,074.75	2.26	1.43	1.76
12,586.00	90.70	357.60	10,500.43	2,033.95	-894.06	2,164.59	3.51	-3.30	-1.21
12,678.00	88.10	357.50	10,501.39	2,125.86	-898.00	2,255.62	2.83	-2.83	-0.11
12,769.00	88.00	357.20	10,504.49	2,216.71	-902.20	2,345.67	0.35	-0.11	-0.33
12,863.00	88.00	357.20	10,507.77	2,310.54	-906.79	2,438.73	0.00	0.00	0.00
12,955.00	91.50	358.50	10,508.17	2,402.46	-910.24	2,529.69	4.06	3.80	1.41
13,045.00	89.30	357.70	10,507.54	2,492.40	-913.22	2,618.62	2.60	-2.44	-0.89
13,136.00	92.20	359.30	10,506.35	2,583.35	-915.61	2,708.43	3.64	3.19	1.76
13,227.00	93.30	359.50	10,501.98	2,674.23	-916.56	2,797.91	1.23	1.21	0.22
13,319.00	92.00	0.80	10,497.73	2,766.13	-916.32	2,888.17	2.00	-1.41	1.41
13,410.00	93.90	1.20	10,493.05	2,856.99	-914.73	2,977.15	2.13	2.09	0.44
13,502.00	90.00	358.70	10,489.92	2,948.92	-914.81	3,067.49	5.03	-4.24	-2.72
13,592.00	89.50	357.70	10,490.31	3,038.87	-917.64	3,156.41	1.24	-0.56	-1.11
13,682.00	88.50	357.80	10,491.88	3,128.78	-921.17	3,245.42	1.12	-1.11	0.11
13,773.00	88.30	358.20	10,494.42	3,219.69	-924.35	3,335.33	0.49	-0.22	0.44
13,865.00	90.20	359.60	10,495.63	3,311.66	-926.11	3,426.03	2.57	2.07	1.52
13,957.00	89.90	357.90	10,495.55	3,403.64	-928.12	3,516.78	1.88	-0.33	-1.85
14,049.00	91.10	357.60	10,494.74	3,495.56	-931.73	3,607.77	1.34	1.30	-0.33
14,140.00	90.30	357.80	10,493.63	3,586.48	-935.38	3,697.79	0.91	-0.88	0.22
14,230.00	91.30	359.10	10,492.37	3,676.43	-937.82	3,786.63	1.82	1.11	1.44
14,322.00	91.60	358.00	10,490.05	3,768.37	-940.15	3,877.41	1.24	0.33	-1.20
14,413.00	89.60	357.30	10,489.09	3,859.29	-943.88	3,967.43	2.33	-2.20	-0.77
14,504.00	88.70	357.20	10,490.44	3,950.17	-948.24	4,057.55	1.00	-0.99	-0.11
14,594.00	89.40	358.30	10,491.94	4,040.09	-951.77	4,146.56	1.45	0.78	1.22
14,683.00	89.70	0.10	10,492.63	4,129.07	-953.02	4,234.22	2.05	0.34	2.02
14,774.00	90.90	0.70	10,492.16	4,220.07	-952.38	4,323.52	1.47	1.32	0.66
14,866.00	92.30	0.50	10,489.59	4,312.02	-951.42	4,413.70	1.54	1.52	-0.22
14,957.00	92.00	1.40	10,486.18	4,402.95	-949.91	4,502.76	1.04	-0.33	0.99
15,048.00	91.00	1.20	10,483.79	4,493.89	-947.85	4,591.74	1.12	-1.10	-0.22
15,140.00	89.50	2.40	10,483.39	4,585.84	-944.96	4,681.55	2.09	-1.63	1.30
15,231.00	88.90	2.10	10,484.66	4,676.76	-941.39	4,770.23	0.74	-0.66	-0.33
15,321.00	90.90	1.70	10,484.82	4,766.71	-938.40	4,858.06	2.27	2.22	-0.44

Survey Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well Los Medanos 36-23-30 State 801H
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3412+25 @ 3437.00usft (Tri101)
Site:	Los Medanos 36-23-30 State	MD Reference:	3412+25 @ 3437.00usft (Tri101)
Well:	Los Medanos 36-23-30 State 801H	North Reference:	Grid
Wellbore:	801H L1	Survey Calculation Method:	Minimum Curvature
Design:	801H L1 (AsDrilled)	Database:	STRYKER_EDM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
15,410.32	91.59	1.31	10,482.88	4,855.97	-936.06	4,945.34	0.89	0.77	-0.44
Los Medanos 36-23-30 801H LTP_100FNL_330FW									
15,411.00	91.59	1.30	10,482.86	4,856.65	-936.04	4,946.00	0.89	0.77	-0.44
Wellpath Crosses LTP									
15,412.00	91.60	1.30	10,482.83	4,857.65	-936.02	4,946.98	0.89	0.77	-0.44
15,455.00	92.00	0.90	10,481.48	4,900.62	-935.20	4,989.05	1.32	0.93	-0.93
Los Medanos 36-23-30 801H PBHL_50FNL_330FWL									
15,500.00	92.00	0.90	10,479.91	4,945.59	-934.49	5,033.10	0.00	0.00	0.00
TD @ 25'FNL,320'FWL									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Los Medanos 36-23-30 I	0.00	0.00	0.00	0.00	0.00	456,811.70	652,961.10	32.25492331	-103.83853078
- actual wellpath hits target center									
- Point									
Los Medanos 36-23-30 I	0.00	0.01	10,479.91	4,945.59	-934.49	461,757.29	652,026.61	32.26852993	-103.84148029
- actual wellpath hits target center									
- Point									
Los Medanos 36-23-30 I	0.00	0.00	10,499.00	-228.00	-882.90	456,583.70	652,078.20	32.25430772	-103.84139010
- actual wellpath misses target center by 244.48usft at 10454.83usft MD (10334.68 TVD, -49.69 N, -851.70 E)									
- Point									
Los Medanos 36-23-30 I	0.00	0.00	10,499.00	298.11	-887.13	457,109.81	652,073.97	32.25575398	-103.84139598
- actual wellpath misses target center by 14.64usft at 10849.39usft MD (10495.31 TVD, 298.49 N, -872.97 E)									
- Point									
Los Medanos 36-23-30 I	0.00	0.01	10,499.00	4,906.00	-924.20	461,717.70	652,036.90	32.26842097	-103.84144759
- actual wellpath misses target center by 21.37usft at 15455.00usft MD (10481.48 TVD, 4900.62 N, -935.20 E)									
- Rectangle (sides W100.00 H5,134.00 D0.00)									
Los Medanos 36-23-30 I	0.00	0.01	10,499.00	4,856.00	-923.70	461,667.70	652,037.40	32.26828352	-103.84144671
- actual wellpath misses target center by 20.31usft at 15410.32usft MD (10482.88 TVD, 4855.97 N, -936.06 E)									
- Point									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
3,948.00	3,947.46	-25.25	-44.44	First Stryker Survey
10,086.00	10,024.19	-227.30	-776.29	Wellpath Crosses FTP
15,411.00	10,482.86	4,856.65	-936.04	Wellpath Crosses LTP
15,500.00	10,479.91	4,945.59	-934.49	TD @ 25'FNL,320'FWL

Survey Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well Los Medanos 36-23-30 State 801H
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3412+25 @ 3437.00usft (Tri101)
Site:	Los Medanos 36-23-30 State	MD Reference:	3412+25 @ 3437.00usft (Tri101)
Well:	Los Medanos 36-23-30 State 801H	North Reference:	Grid
Wellbore:	801H L1	Survey Calculation Method:	Minimum Curvature
Design:	801H L1 (AsDrilled)	Database:	STRYKER_EDM

Checked By: _____	Approved By: _____	Date: _____
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