



NM OIL CONSERVATION
ARTESIA DISTRICT

OCT 09 2018

RECEIVED

XTO Energy

Eddy County, NM (NAD-27)

Los Medanos 36-23-30

#801H

30-015-45315

OH

Plan: PERMIT

Standard Planning Report

11 September, 2018



Project: Eddy County, NM (NAD-27)
Site: Los Medanos 35-23-30
Wellbore: 6801H
Design: PERMIT

PROJECT DETAILS: Eddy County, NM (NAD-27)
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

WELL DETAILS: 6801H

Rig Name: 3429.00bft
RKB = 17' 0" 3429.00bft
Ground Level: 3412.00
Easting: 32,254,923
Northing: 456811.70
Longitude: -103.835531
Latitude: 32.254923

DESIGN TARGET DETAILS

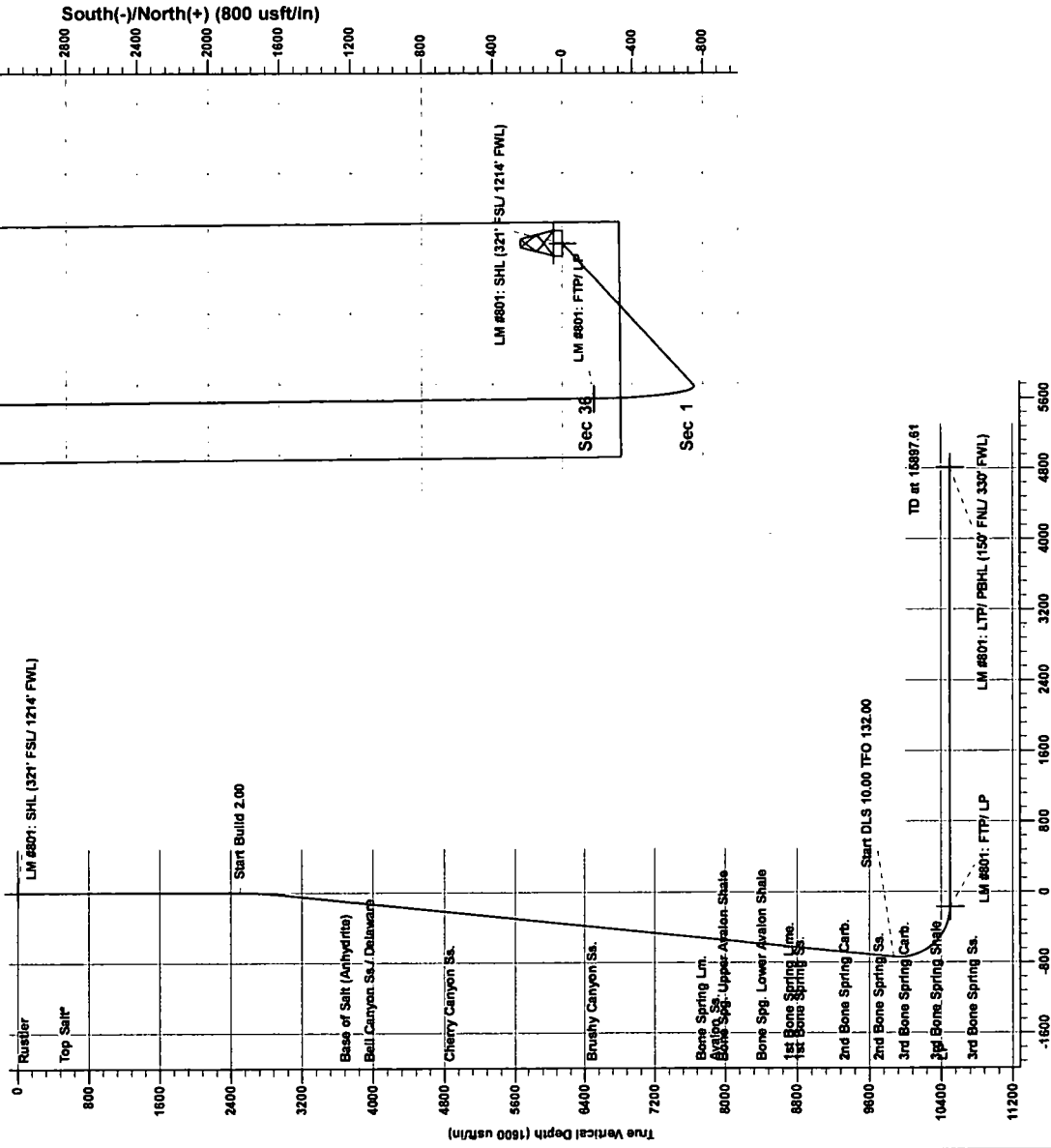
Name	*N/S	*E/W	TVD	*N/S	*E/W	Nothing	Easting	Latitude	Longitude	Shape
LM #801: SHL (321° FSU/ 1214° FWL)	0.00	0.00	10499.00	0.00	0.00	456811.70	652077.90	32.254923	-103.835531	Point
LM #801: FTP/ LP	0.00	0.00	10499.00	0.00	0.00	456811.70	652077.90	32.254923	-103.835531	Point
LM #801: LTP/ PBHL (150° FNU/ 330° FWL)	0.00	0.00	10499.00	0.00	0.00	456811.70	652077.90	32.254923	-103.835531	Point

SECTION DETAILS

Sec	MD	ISC	Asi	TVD	*N/S	*E/W	Dirg	TFace	VSect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00
3	2937.20	8.74	227.21	2935.51	-22.82	-24.43	2.00	227.21	-22.42
4	3597.00	14.00	359.54	3595.50	-176.00	-176.00	10.00	132.00	-170.90
5	10913.45	80.00	359.54	10499.00	4808.00	-923.20	0.00	0.00	4813.28
6	15597.61	80.00	359.54	10499.00	4808.00	-923.20	0.00	0.00	4813.28

FORMATION TOP DETAILS

TVDP Path	Formation
155.00	Rustler
612.00	Top Salt
3771.00	Base of Salt (Anhydrite)
4844.00	Bell Canyon Ss./ Dolomere
6563.00	Brushy Canyon Ss.
7890.00	Bone Spring Lm.
7968.00	Avalon Ss.
7988.00	Bone Spg. Upper Avalon Shale
8491.00	Bone Spg. Lower Avalon Shale
8792.00	1st Bone Spring Lm.
8908.00	2nd Bone Spring Ss.
9000.00	2nd Bone Spring Carb.
9780.00	3rd Bone Spring Ss.
10070.00	3rd Bone Spring Carb.
10422.00	LP
10499.00	LP



Vertical Section at 359.54° (1500 usft/in)

The customer should only rely on this document after independently verifying all paths, targets, coordinates, time and hard lines represented. Any data not made or well drilled within this or any other information approved by the customer is the sole risk and responsibility of the customer.

Plan: PERMIT (6801H-01H)

Created By: Prototype Well Planning, LLC Date: 9/34, September 11 2018



Database: EDM 5000.1 Single User Db
Company: XTO Energy
Project: Eddy County, NM (NAD-27)
Site: Los Medanos 36-23-30
Well: #801H
Wellbore: OH
Design: PERMIT

Local Co-ordinate Reference: Well #801H
TVD Reference: RKB = 17' @ 3429.00usft
MD Reference: RKB = 17' @ 3429.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	Eddy County, NM (NAD-27)		
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		
Site Position:		Northing:	456,871.90 usft
From:	Map	Easting:	652,961.40 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.255089
		Longitude:	-103.838529
		Grid Convergence:	0.26 °

Well	#801H		
Well Position	+N/-S	-60.20 usft	Northing:
	+E/-W	-0.30 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	32.254923
		Longitude:	-103.838531
		Ground Level:	3,412.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2015	9/10/2018	6.95
			Dip Angle
			(°)
			60.03
			Field Strength
			(nT)
			47,802

Design	PERMIT		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			359.54

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,937.20	8.74	227.21	2,935.51	-22.62	-24.43	2.00	2.00	0.00	227.21	
9,954.69	8.74	227.21	9,871.43	-747.36	-807.27	0.00	0.00	0.00	0.00	
10,913.45	90.00	359.54	10,499.00	-178.00	-883.20	10.00	8.48	13.80	132.00	LM #801: FTP/ LP
15,897.61	90.00	359.54	10,499.00	4,806.00	-923.20	0.00	0.00	0.00	0.00	LM #801: LTP/ PB+



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TVD Reference: RKB = 17' @ 3429.00usft
MD Reference: RKB = 17' @ 3429.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned 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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LM #801: SHL (321' FSL/ 1214' FWL)									
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	2.00	227.21	2,599.98	-1.19	-1.28	-1.18	2.00	2.00	0.00
2,700.00	4.00	227.21	2,699.84	-4.74	-5.12	-4.70	2.00	2.00	0.00
2,800.00	6.00	227.21	2,799.45	-10.66	-11.52	-10.57	2.00	2.00	0.00
2,900.00	8.00	227.21	2,898.70	-18.94	-20.46	-18.78	2.00	2.00	0.00
2,937.20	8.74	227.21	2,935.51	-22.62	-24.43	-22.42	2.00	2.00	0.00
3,000.00	8.74	227.21	2,997.58	-29.11	-31.44	-28.85	0.00	0.00	0.00
3,100.00	8.74	227.21	3,096.41	-39.43	-42.59	-39.09	0.00	0.00	0.00
3,200.00	8.74	227.21	3,195.25	-49.76	-53.75	-49.33	0.00	0.00	0.00
3,300.00	8.74	227.21	3,294.09	-60.09	-64.91	-59.57	0.00	0.00	0.00
3,400.00	8.74	227.21	3,392.93	-70.42	-76.06	-69.80	0.00	0.00	0.00
3,500.00	8.74	227.21	3,491.76	-80.74	-87.22	-80.04	0.00	0.00	0.00
3,600.00	8.74	227.21	3,590.60	-91.07	-98.37	-90.28	0.00	0.00	0.00
3,700.00	8.74	227.21	3,689.44	-101.40	-109.53	-100.52	0.00	0.00	0.00
3,800.00	8.74	227.21	3,788.28	-111.73	-120.68	-110.75	0.00	0.00	0.00
3,900.00	8.74	227.21	3,887.11	-122.05	-131.84	-120.99	0.00	0.00	0.00
4,000.00	8.74	227.21	3,985.95	-132.38	-142.99	-131.23	0.00	0.00	0.00
4,100.00	8.74	227.21	4,084.79	-142.71	-154.15	-141.47	0.00	0.00	0.00
4,200.00	8.74	227.21	4,183.63	-153.04	-165.31	-151.70	0.00	0.00	0.00
4,300.00	8.74	227.21	4,282.47	-163.36	-176.46	-161.94	0.00	0.00	0.00
4,400.00	8.74	227.21	4,381.30	-173.69	-187.62	-172.18	0.00	0.00	0.00
4,500.00	8.74	227.21	4,480.14	-184.02	-198.77	-182.42	0.00	0.00	0.00
4,600.00	8.74	227.21	4,578.98	-194.35	-209.93	-192.66	0.00	0.00	0.00
4,700.00	8.74	227.21	4,677.82	-204.67	-221.08	-202.89	0.00	0.00	0.00
4,800.00	8.74	227.21	4,776.65	-215.00	-232.24	-213.13	0.00	0.00	0.00
4,900.00	8.74	227.21	4,875.49	-225.33	-243.39	-223.37	0.00	0.00	0.00
5,000.00	8.74	227.21	4,974.33	-235.66	-254.55	-233.61	0.00	0.00	0.00
5,100.00	8.74	227.21	5,073.17	-245.98	-265.71	-243.84	0.00	0.00	0.00



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 Design: PERMIT

Local Co-ordinate Reference: Well #801H
 TVD Reference: RKB = 17' @ 3429.00usft
 MD Reference: RKB = 17' @ 3429.00usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned 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)
5,200.00	8.74	227.21	5,172.00	-256.31	-276.86	-254.08	0.00	0.00	0.00
5,300.00	8.74	227.21	5,270.84	-266.64	-288.02	-264.32	0.00	0.00	0.00
5,400.00	8.74	227.21	5,369.68	-276.97	-299.17	-274.56	0.00	0.00	0.00
5,500.00	8.74	227.21	5,468.52	-287.30	-310.33	-284.79	0.00	0.00	0.00
5,600.00	8.74	227.21	5,567.36	-297.62	-321.48	-295.03	0.00	0.00	0.00
5,700.00	8.74	227.21	5,666.19	-307.95	-332.64	-305.27	0.00	0.00	0.00
5,800.00	8.74	227.21	5,765.03	-318.28	-343.79	-315.51	0.00	0.00	0.00
5,900.00	8.74	227.21	5,863.87	-328.61	-354.95	-325.75	0.00	0.00	0.00
6,000.00	8.74	227.21	5,962.71	-338.93	-366.11	-335.98	0.00	0.00	0.00
6,100.00	8.74	227.21	6,061.54	-349.26	-377.26	-346.22	0.00	0.00	0.00
6,200.00	8.74	227.21	6,160.38	-359.59	-388.42	-356.46	0.00	0.00	0.00
6,300.00	8.74	227.21	6,259.22	-369.92	-399.57	-366.70	0.00	0.00	0.00
6,400.00	8.74	227.21	6,358.06	-380.24	-410.73	-376.93	0.00	0.00	0.00
6,500.00	8.74	227.21	6,456.90	-390.57	-421.88	-387.17	0.00	0.00	0.00
6,600.00	8.74	227.21	6,555.73	-400.90	-433.04	-397.41	0.00	0.00	0.00
6,700.00	8.74	227.21	6,654.57	-411.23	-444.19	-407.65	0.00	0.00	0.00
6,800.00	8.74	227.21	6,753.41	-421.55	-455.35	-417.88	0.00	0.00	0.00
6,900.00	8.74	227.21	6,852.25	-431.88	-466.51	-428.12	0.00	0.00	0.00
7,000.00	8.74	227.21	6,951.08	-442.21	-477.66	-438.36	0.00	0.00	0.00
7,100.00	8.74	227.21	7,049.92	-452.54	-488.82	-448.60	0.00	0.00	0.00
7,200.00	8.74	227.21	7,148.76	-462.86	-499.97	-458.83	0.00	0.00	0.00
7,300.00	8.74	227.21	7,247.60	-473.19	-511.13	-469.07	0.00	0.00	0.00
7,400.00	8.74	227.21	7,346.43	-483.52	-522.28	-479.31	0.00	0.00	0.00
7,500.00	8.74	227.21	7,445.27	-493.85	-533.44	-489.55	0.00	0.00	0.00
7,600.00	8.74	227.21	7,544.11	-504.17	-544.59	-499.79	0.00	0.00	0.00
7,700.00	8.74	227.21	7,642.95	-514.50	-555.75	-510.02	0.00	0.00	0.00
7,800.00	8.74	227.21	7,741.79	-524.83	-566.90	-520.26	0.00	0.00	0.00
7,900.00	8.74	227.21	7,840.62	-535.16	-578.06	-530.50	0.00	0.00	0.00
8,000.00	8.74	227.21	7,939.46	-545.48	-589.22	-540.74	0.00	0.00	0.00
8,100.00	8.74	227.21	8,038.30	-555.81	-600.37	-550.97	0.00	0.00	0.00
8,200.00	8.74	227.21	8,137.14	-566.14	-611.53	-561.21	0.00	0.00	0.00
8,300.00	8.74	227.21	8,235.97	-576.47	-622.68	-571.45	0.00	0.00	0.00
8,400.00	8.74	227.21	8,334.81	-586.79	-633.84	-581.69	0.00	0.00	0.00
8,500.00	8.74	227.21	8,433.65	-597.12	-644.99	-591.92	0.00	0.00	0.00
8,600.00	8.74	227.21	8,532.49	-607.45	-656.15	-602.16	0.00	0.00	0.00
8,700.00	8.74	227.21	8,631.33	-617.78	-667.30	-612.40	0.00	0.00	0.00
8,800.00	8.74	227.21	8,730.16	-628.11	-678.46	-622.64	0.00	0.00	0.00
8,900.00	8.74	227.21	8,829.00	-638.43	-689.62	-632.88	0.00	0.00	0.00
9,000.00	8.74	227.21	8,927.84	-648.76	-700.77	-643.11	0.00	0.00	0.00
9,100.00	8.74	227.21	9,026.68	-659.09	-711.93	-653.35	0.00	0.00	0.00
9,200.00	8.74	227.21	9,125.51	-669.42	-723.08	-663.59	0.00	0.00	0.00
9,300.00	8.74	227.21	9,224.35	-679.74	-734.24	-673.83	0.00	0.00	0.00
9,400.00	8.74	227.21	9,323.19	-690.07	-745.39	-684.06	0.00	0.00	0.00
9,500.00	8.74	227.21	9,422.03	-700.40	-756.55	-694.30	0.00	0.00	0.00
9,600.00	8.74	227.21	9,520.86	-710.73	-767.70	-704.54	0.00	0.00	0.00
9,700.00	8.74	227.21	9,619.70	-721.05	-778.86	-714.78	0.00	0.00	0.00
9,800.00	8.74	227.21	9,718.54	-731.38	-790.02	-725.01	0.00	0.00	0.00
9,900.00	8.74	227.21	9,817.38	-741.71	-801.17	-735.25	0.00	0.00	0.00
9,954.69	8.74	227.21	9,871.43	-747.36	-807.27	-740.85	0.00	0.00	0.00
10,000.00	6.62	257.80	9,916.35	-750.25	-812.36	-743.70	10.00	-4.68	67.52
10,050.00	7.44	299.03	9,966.01	-749.29	-818.01	-742.70	10.00	1.64	82.45
10,100.00	10.80	322.96	10,015.38	-743.97	-823.67	-737.34	10.00	6.72	47.86
10,150.00	15.09	334.60	10,064.11	-734.35	-829.29	-727.67	10.00	8.58	23.28
10,200.00	19.71	341.04	10,111.81	-720.48	-834.82	-713.76	10.00	9.24	12.87



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Design: PERMIT

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Survey Calculation Method: Minimum Curvature

Planned 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)
10,250.00	24.48	345.08	10,158.13	-702.49	-840.23	-695.72	10.00	9.53	8.08
10,300.00	29.32	347.86	10,202.71	-680.50	-845.48	-673.69	10.00	9.68	5.56
10,350.00	34.20	349.91	10,245.21	-654.68	-850.52	-647.83	10.00	9.77	4.10
10,400.00	39.11	351.50	10,285.31	-625.22	-855.31	-618.34	10.00	9.82	3.18
10,450.00	44.04	352.79	10,322.70	-592.36	-859.83	-585.44	10.00	9.85	2.57
10,500.00	48.98	353.86	10,357.10	-556.35	-864.03	-549.39	10.00	9.88	2.15
10,550.00	53.92	354.79	10,388.25	-517.45	-867.88	-510.46	10.00	9.89	1.85
10,600.00	58.88	355.60	10,415.91	-475.96	-871.36	-468.95	10.00	9.91	1.63
10,650.00	63.84	356.34	10,439.87	-432.20	-874.44	-425.17	10.00	9.92	1.47
10,700.00	68.80	357.01	10,459.95	-386.50	-877.09	-379.45	10.00	9.92	1.35
10,750.00	73.76	357.64	10,475.99	-339.21	-879.29	-332.14	10.00	9.93	1.26
10,800.00	78.73	358.24	10,487.88	-290.69	-881.03	-283.61	10.00	9.93	1.20
10,850.00	83.70	358.82	10,495.51	-241.31	-882.30	-234.22	10.00	9.93	1.16
10,900.00	88.66	359.39	10,498.84	-191.44	-883.07	-184.35	10.00	9.94	1.14
10,913.45	90.00	359.54	10,499.00	-178.00	-883.20	-170.90	10.00	9.94	1.13
LM #801: FTP/LP									
11,000.00	90.00	359.54	10,499.00	-91.45	-883.89	-84.35	0.00	0.00	0.00
11,100.00	90.00	359.54	10,499.00	8.55	-884.70	15.65	0.00	0.00	0.00
11,200.00	90.00	359.54	10,499.00	108.54	-885.50	115.65	0.00	0.00	0.00
11,300.00	90.00	359.54	10,499.00	208.54	-886.30	215.65	0.00	0.00	0.00
11,400.00	90.00	359.54	10,499.00	308.54	-887.10	315.65	0.00	0.00	0.00
11,500.00	90.00	359.54	10,499.00	408.53	-887.91	415.65	0.00	0.00	0.00
11,600.00	90.00	359.54	10,499.00	508.53	-888.71	515.65	0.00	0.00	0.00
11,700.00	90.00	359.54	10,499.00	608.53	-889.51	615.65	0.00	0.00	0.00
11,800.00	90.00	359.54	10,499.00	708.52	-890.31	715.65	0.00	0.00	0.00
11,900.00	90.00	359.54	10,499.00	808.52	-891.12	815.65	0.00	0.00	0.00
12,000.00	90.00	359.54	10,499.00	908.52	-891.92	915.65	0.00	0.00	0.00
12,100.00	90.00	359.54	10,499.00	1,008.52	-892.72	1,015.65	0.00	0.00	0.00
12,200.00	90.00	359.54	10,499.00	1,108.51	-893.53	1,115.65	0.00	0.00	0.00
12,300.00	90.00	359.54	10,499.00	1,208.51	-894.33	1,215.65	0.00	0.00	0.00
12,400.00	90.00	359.54	10,499.00	1,308.51	-895.13	1,315.65	0.00	0.00	0.00
12,500.00	90.00	359.54	10,499.00	1,408.50	-895.93	1,415.65	0.00	0.00	0.00
12,600.00	90.00	359.54	10,499.00	1,508.50	-896.74	1,515.65	0.00	0.00	0.00
12,700.00	90.00	359.54	10,499.00	1,608.50	-897.54	1,615.65	0.00	0.00	0.00
12,800.00	90.00	359.54	10,499.00	1,708.49	-898.34	1,715.65	0.00	0.00	0.00
12,900.00	90.00	359.54	10,499.00	1,808.49	-899.14	1,815.65	0.00	0.00	0.00
13,000.00	90.00	359.54	10,499.00	1,908.49	-899.95	1,915.65	0.00	0.00	0.00
13,100.00	90.00	359.54	10,499.00	2,008.48	-900.75	2,015.65	0.00	0.00	0.00
13,200.00	90.00	359.54	10,499.00	2,108.48	-901.55	2,115.65	0.00	0.00	0.00
13,300.00	90.00	359.54	10,499.00	2,208.48	-902.35	2,215.65	0.00	0.00	0.00
13,400.00	90.00	359.54	10,499.00	2,308.47	-903.16	2,315.65	0.00	0.00	0.00
13,500.00	90.00	359.54	10,499.00	2,408.47	-903.96	2,415.65	0.00	0.00	0.00
13,600.00	90.00	359.54	10,499.00	2,508.47	-904.76	2,515.65	0.00	0.00	0.00
13,700.00	90.00	359.54	10,499.00	2,608.46	-905.56	2,615.65	0.00	0.00	0.00
13,800.00	90.00	359.54	10,499.00	2,708.46	-906.37	2,715.65	0.00	0.00	0.00
13,900.00	90.00	359.54	10,499.00	2,808.46	-907.17	2,815.65	0.00	0.00	0.00
14,000.00	90.00	359.54	10,499.00	2,908.45	-907.97	2,915.65	0.00	0.00	0.00
14,100.00	90.00	359.54	10,499.00	3,008.45	-908.77	3,015.65	0.00	0.00	0.00
14,200.00	90.00	359.54	10,499.00	3,108.45	-909.58	3,115.65	0.00	0.00	0.00
14,300.00	90.00	359.54	10,499.00	3,208.44	-910.38	3,215.65	0.00	0.00	0.00
14,400.00	90.00	359.54	10,499.00	3,308.44	-911.18	3,315.65	0.00	0.00	0.00
14,500.00	90.00	359.54	10,499.00	3,408.44	-911.98	3,415.65	0.00	0.00	0.00
14,600.00	90.00	359.54	10,499.00	3,508.43	-912.79	3,515.65	0.00	0.00	0.00
14,700.00	90.00	359.54	10,499.00	3,608.43	-913.59	3,615.65	0.00	0.00	0.00



Database: EDM 5000.1 Single User Db
 Company: XTO Energy
 Project: Eddy County, NM (NAD-27)
 Site: Los Medanos 36-23-30
 Well: #801H
 Wellbore: OH
 Design: PERMIT

Local Co-ordinate Reference: Well #801H
 TVD Reference: RKB = 17' @ 3429.00usft
 MD Reference: RKB = 17' @ 3429.00usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned 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)
14,800.00	90.00	359.54	10,499.00	3,708.43	-914.39	3,715.65	0.00	0.00	0.00
14,900.00	90.00	359.54	10,499.00	3,808.42	-915.19	3,815.65	0.00	0.00	0.00
15,000.00	90.00	359.54	10,499.00	3,908.42	-916.00	3,915.65	0.00	0.00	0.00
15,100.00	90.00	359.54	10,499.00	4,008.42	-916.80	4,015.65	0.00	0.00	0.00
15,200.00	90.00	359.54	10,499.00	4,108.42	-917.60	4,115.65	0.00	0.00	0.00
15,300.00	90.00	359.54	10,499.00	4,208.41	-918.40	4,215.65	0.00	0.00	0.00
15,400.00	90.00	359.54	10,499.00	4,308.41	-919.21	4,315.65	0.00	0.00	0.00
15,500.00	90.00	359.54	10,499.00	4,408.41	-920.01	4,415.65	0.00	0.00	0.00
15,600.00	90.00	359.54	10,499.00	4,508.40	-920.81	4,515.65	0.00	0.00	0.00
15,700.00	90.00	359.54	10,499.00	4,608.40	-921.61	4,615.65	0.00	0.00	0.00
15,800.00	90.00	359.54	10,499.00	4,708.40	-922.42	4,715.65	0.00	0.00	0.00
15,897.61	90.00	359.54	10,499.00	4,806.00	-923.20	4,813.26	0.00	0.00	0.00

LM #801: LTP/ PBHL (150' FNL/ 330' FWL)

Design Targets

Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
LM #801: SHL (321' F - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	456,811.70	652,961.10	32.254923	-103.838531
LM #801: LTP/ PBHL - plan hits target center - Point	0.00	0.01	10,499.00	4,806.00	-923.20	461,617.70	652,037.90	32.268146	-103.841446
LM #801: FTP/ LP - plan hits target center - Point	0.00	0.01	10,499.00	-178.00	-883.20	456,633.70	652,077.90	32.254445	-103.841391



Database: EDM 5000.1 Single User Db
Company: XTO Energy
Project: Eddy County, NM (NAD-27)
Site: Los Medanos 36-23-30
Well: #801H
Wellbore: OH
Design: PERMIT

Local Co-ordinate Reference: Well #801H
TVD Reference: RKB = 17' @ 3429.00usft
MD Reference: RKB = 17' @ 3429.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
155.00	155.00	Rustler			
612.00	612.00	Top Salt*			
3,782.52	3,771.00	Base of Salt (Anhydrite)			
4,057.72	4,043.00	Bell Canyon Ss./ Delaware			
4,969.31	4,944.00	Cherry Canyon Ss.			
6,607.35	6,563.00	Brushy Canyon Ss.			
7,949.96	7,890.00	Bone Spring Lm.			
8,026.85	7,966.00	Avalon Ss.			
8,049.11	7,988.00	Bone Spg. Upper Avalon Shale			
8,558.03	8,491.00	Bone Spg. Lower Avalon Shale			
8,862.56	8,792.00	1st Bone Spring Lime.			
8,980.94	8,909.00	1st Bone Spring Ss.			
9,486.82	9,409.00	2nd Bone Spring Carb.			
9,872.30	9,790.00	2nd Bone Spring Ss.			
10,156.11	10,070.00	3rd Bone Spring Carb.			
10,611.98	10,422.00	3rd Bone Spring Shale			
10,913.45	10,499.00	LP			