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DISTRICT II-ARTESIA O.C.D.

XTO Energy

Eddy County, NM (NAD-27)

Los Medanos 36-23-30

#704H

OH

Plan: PERMIT

Standard Planning Report

28 May, 2019



Project: Eddy County, NM (NAD-27)
Site: Los Medanos 36-23-30
Well: #704H
Wellbore: OH
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: #704H

Rig Name:
RKB = 15' @ 3422.00usft
Ground Level: 3407.00
+N/-S +E/-W Northing Easting Latitude Longitude
0.00 0.00 456822.70 654471.40 32.2549343 -103.8336452

DESIGN TARGET DETAILS

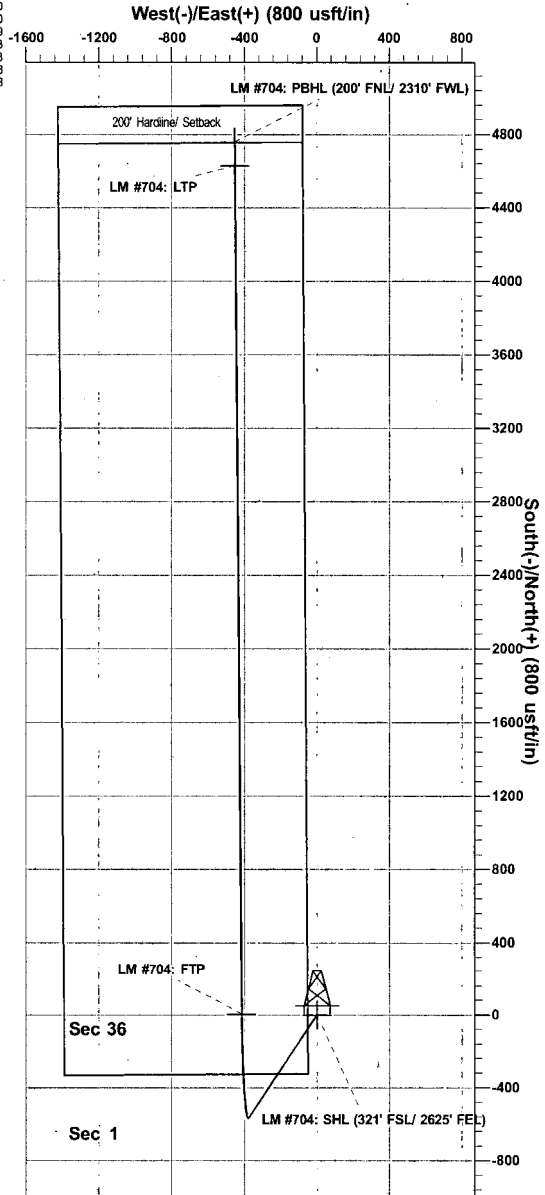
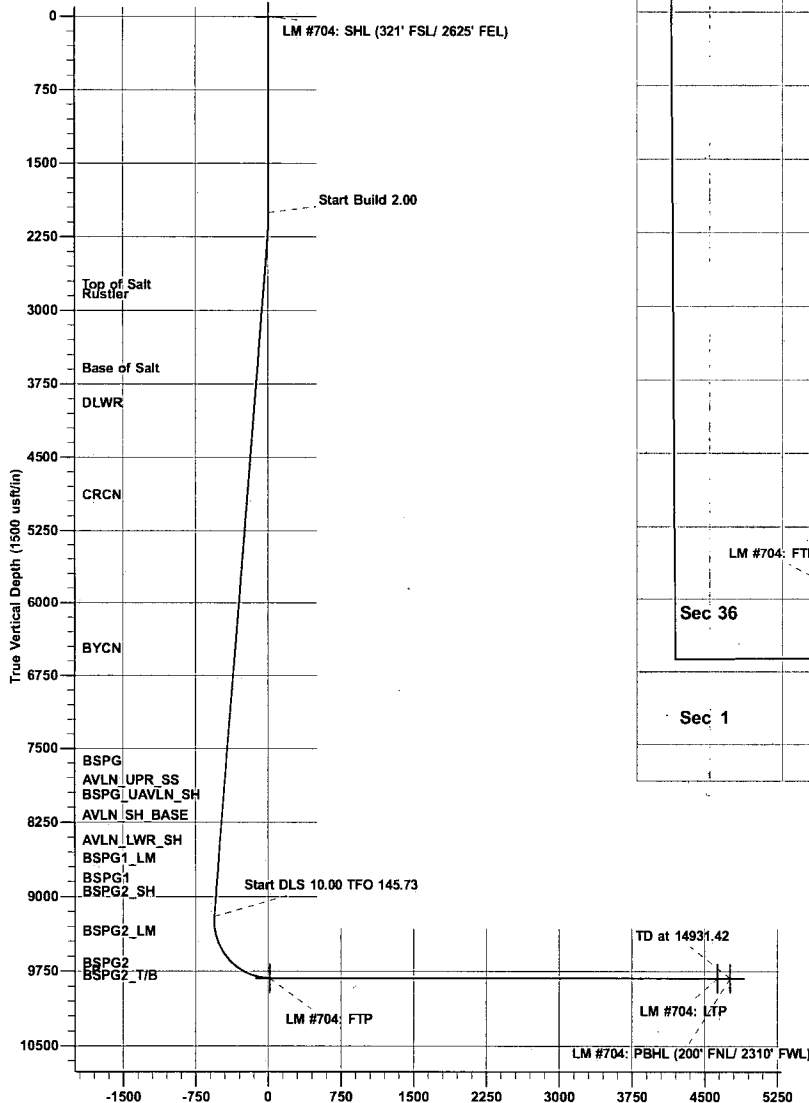
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
LM #704: SHL (321' FSL/ 2625' FEL)	0.00	0.00	0.00	456822.70	654471.40	32.2549343	-103.8336452	Point
LM #704: FTP	9817.00	5.70	-414.70	456828.40	654056.70	32.2549553	-103.8349866	Point
LM #704: LTP	9817.00	4629.60	-451.90	461452.30	654019.50	32.2676663	-103.8350375	Point
LM #704: PBHL (200' FNL/ 2310' FWL)	9817.00	4759.60	-453.10	461582.30	654018.30	32.2680237	-103.8350394	Point

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dlog	TFace	VSec
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00
3	2274.69	5.49	213.69	2274.27	-10.95	-7.30	2.00	213.69	-10.89
4	9231.92	5.49	213.69	9199.55	-565.17	-376.75	0.00	0.00	-562.13
5	10177.37	90.00	359.54	9817.00	5.70	-414.70	10.00	145.73	9.03
6	14801.42	90.00	359.54	9817.00	4629.60	-452.05	0.00	0.00	4633.08
7	14931.42	90.00	359.54	9817.00	4759.60	-453.10	0.00	0.00	4763.08

FORMATION TOP DETAILS

TVDPath	Formation
2807.00	Top of Salt
2907.00	Rustler
3682.00	Base of Salt
4017.00	DLWR
4962.00	CRCN
6547.00	BYCN
7949.00	BSPG
8022.00	AVLN UPR SS
8048.00	BSPG UAVLN SH
8252.00	AVLN SH BASE
8507.00	AVLN LWR SH
8688.00	BSPG1 LM
8892.00	BSPG1
9022.00	BSPG2 SH
9422.00	BSPG2 LM
9747.00	BSPG2
9817.00	LP



The customer should only rely on this document after independently verifying all paths, targets, coordinates, lease and hard lines represented. Any decisions made or wells drilled utilizing this or any other information supplied by Promote are at the sole risk and responsibility of the user.

Plan: PERMIT (#704H/OH)

Created By: Matthew May

Date: 15:50, May 28 2019



Planning Report

Database:	EDM 5000.1.13 Single User Db	Local Co-ordinate Reference:	Well #704H
Company:	XTO Energy	TVD Reference:	RKB = 15' @ 3422.00usft
Project:	Eddy County, NM (NAD-27)	MD Reference:	RKB = 15' @ 3422.00usft
Site:	Los Medanos 36-23-30	North Reference:	Grid
Well:	#704H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PERMIT		

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:	32.2550888
		Longitude:	-103.8385289
		Grid Convergence:	0.26 °

Well	#704H		
Well Position	+N/-S	-49.20 usft	Northing:
	+E/-W	1,510.00 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	32.2549343
		Longitude:	-103.8336452
		Ground Level:	3,407.00 usft

Wellbore	OH		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	05/28/19	6.87	60.02	47,729

Design	PERMIT		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (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	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,274.69	5.49	213.69	2,274.27	-10.95	-7.30	2.00	2.00	0.00	213.69	
9,231.93	5.49	213.69	9,199.55	-565.17	-376.75	0.00	0.00	0.00	0.00	
10,177.37	90.00	359.54	9,817.00	5.70	-414.70	10.00	8.94	15.43	145.73	LM #704: FTP
14,801.42	90.00	359.54	9,817.00	4,629.60	-452.05	0.00	0.00	0.00	0.00	LM #704: LTP
14,931.42	90.00	359.54	9,817.00	4,759.60	-453.10	0.00	0.00	0.00	0.00	LM #704: PBHL (2C



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Site:	Los Medanos 36-23-30	North Reference:	Grid
Well:	#704H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PERMIT		

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
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	2.00	213.69	2,099.98	-1.45	-0.97	-1.44	2.00	2.00	0.00
2,200.00	4.00	213.69	2,199.84	-5.81	-3.87	-5.78	2.00	2.00	0.00
2,274.69	5.49	213.69	2,274.27	-10.95	-7.30	-10.89	2.00	2.00	0.00
2,300.00	5.49	213.69	2,299.46	-12.97	-8.64	-12.90	0.00	0.00	0.00
2,400.00	5.49	213.69	2,399.00	-20.93	-13.95	-20.82	0.00	0.00	0.00
2,500.00	5.49	213.69	2,498.54	-28.90	-19.26	-28.74	0.00	0.00	0.00
2,600.00	5.49	213.69	2,598.09	-36.86	-24.57	-36.67	0.00	0.00	0.00
2,700.00	5.49	213.69	2,697.63	-44.83	-29.88	-44.59	0.00	0.00	0.00
2,800.00	5.49	213.69	2,797.17	-52.80	-35.19	-52.51	0.00	0.00	0.00
2,809.88	5.49	213.69	2,807.00	-53.58	-35.72	-53.29	0.00	0.00	0.00
Top of Salt									
2,900.00	5.49	213.69	2,896.71	-60.76	-40.50	-60.43	0.00	0.00	0.00
2,910.34	5.49	213.69	2,907.00	-61.59	-41.05	-61.25	0.00	0.00	0.00
Rustler									
3,000.00	5.49	213.69	2,996.25	-68.73	-45.82	-68.36	0.00	0.00	0.00
3,100.00	5.49	213.69	3,095.79	-76.69	-51.13	-76.28	0.00	0.00	0.00
3,200.00	5.49	213.69	3,195.33	-84.66	-56.44	-84.20	0.00	0.00	0.00
3,300.00	5.49	213.69	3,294.87	-92.63	-61.75	-92.13	0.00	0.00	0.00
3,400.00	5.49	213.69	3,394.41	-100.59	-67.06	-100.05	0.00	0.00	0.00
3,500.00	5.49	213.69	3,493.95	-108.56	-72.37	-107.97	0.00	0.00	0.00
3,600.00	5.49	213.69	3,593.49	-116.52	-77.68	-115.90	0.00	0.00	0.00
3,668.82	5.49	213.69	3,662.00	-122.01	-81.33	-121.35	0.00	0.00	0.00
Base of Salt									
3,700.00	5.49	213.69	3,693.03	-124.49	-82.99	-123.82	0.00	0.00	0.00
3,800.00	5.49	213.69	3,792.57	-132.46	-88.30	-131.74	0.00	0.00	0.00
3,900.00	5.49	213.69	3,892.11	-140.42	-93.61	-139.67	0.00	0.00	0.00
4,000.00	5.49	213.69	3,991.65	-148.39	-98.92	-147.59	0.00	0.00	0.00
4,025.46	5.49	213.69	4,017.00	-150.42	-100.27	-149.61	0.00	0.00	0.00
DLWR									
4,100.00	5.49	213.69	4,091.19	-156.36	-104.23	-155.51	0.00	0.00	0.00
4,200.00	5.49	213.69	4,190.74	-164.32	-109.54	-163.44	0.00	0.00	0.00
4,300.00	5.49	213.69	4,290.28	-172.29	-114.85	-171.36	0.00	0.00	0.00
4,400.00	5.49	213.69	4,389.82	-180.25	-120.16	-179.28	0.00	0.00	0.00



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Site:	Los Medanos 36-23-30	North Reference:	Grid
Well:	#704H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PERMIT		

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)
4,500.00	5.49	213.69	4,489.36	-188.22	-125.47	-187.21	0.00	0.00	0.00
4,600.00	5.49	213.69	4,588.90	-196.19	-130.78	-195.13	0.00	0.00	0.00
4,700.00	5.49	213.69	4,688.44	-204.15	-136.09	-203.05	0.00	0.00	0.00
4,800.00	5.49	213.69	4,787.98	-212.12	-141.40	-210.98	0.00	0.00	0.00
4,900.00	5.49	213.69	4,887.52	-220.08	-146.71	-218.90	0.00	0.00	0.00
4,974.82	5.49	213.69	4,962.00	-226.04	-150.68	-224.83	0.00	0.00	0.00
CRCN									
5,000.00	5.49	213.69	4,987.06	-228.05	-152.02	-226.82	0.00	0.00	0.00
5,100.00	5.49	213.69	5,086.60	-236.02	-157.33	-234.75	0.00	0.00	0.00
5,200.00	5.49	213.69	5,186.14	-243.98	-162.64	-242.67	0.00	0.00	0.00
5,300.00	5.49	213.69	5,285.68	-251.95	-167.95	-250.59	0.00	0.00	0.00
5,400.00	5.49	213.69	5,385.22	-259.91	-173.26	-258.51	0.00	0.00	0.00
5,500.00	5.49	213.69	5,484.76	-267.88	-178.57	-266.44	0.00	0.00	0.00
5,600.00	5.49	213.69	5,584.30	-275.85	-183.88	-274.36	0.00	0.00	0.00
5,700.00	5.49	213.69	5,683.85	-283.81	-189.19	-282.28	0.00	0.00	0.00
5,800.00	5.49	213.69	5,783.39	-291.78	-194.50	-290.21	0.00	0.00	0.00
5,900.00	5.49	213.69	5,882.93	-299.74	-199.81	-298.13	0.00	0.00	0.00
6,000.00	5.49	213.69	5,982.47	-307.71	-205.12	-306.05	0.00	0.00	0.00
6,100.00	5.49	213.69	6,082.01	-315.68	-210.43	-313.98	0.00	0.00	0.00
6,200.00	5.49	213.69	6,181.55	-323.64	-215.75	-321.90	0.00	0.00	0.00
6,300.00	5.49	213.69	6,281.09	-331.61	-221.06	-329.82	0.00	0.00	0.00
6,400.00	5.49	213.69	6,380.63	-339.58	-226.37	-337.75	0.00	0.00	0.00
6,500.00	5.49	213.69	6,480.17	-347.54	-231.68	-345.67	0.00	0.00	0.00
6,567.14	5.49	213.69	6,547.00	-352.89	-235.24	-350.99	0.00	0.00	0.00
BYCN									
6,600.00	5.49	213.69	6,579.71	-355.51	-236.99	-353.59	0.00	0.00	0.00
6,700.00	5.49	213.69	6,679.25	-363.47	-242.30	-361.52	0.00	0.00	0.00
6,800.00	5.49	213.69	6,778.79	-371.44	-247.61	-369.44	0.00	0.00	0.00
6,900.00	5.49	213.69	6,878.33	-379.41	-252.92	-377.36	0.00	0.00	0.00
7,000.00	5.49	213.69	6,977.87	-387.37	-258.23	-385.29	0.00	0.00	0.00
7,100.00	5.49	213.69	7,077.41	-395.34	-263.54	-393.21	0.00	0.00	0.00
7,200.00	5.49	213.69	7,176.96	-403.30	-268.85	-401.13	0.00	0.00	0.00
7,300.00	5.49	213.69	7,276.50	-411.27	-274.16	-409.06	0.00	0.00	0.00
7,400.00	5.49	213.69	7,376.04	-419.24	-279.47	-416.98	0.00	0.00	0.00
7,500.00	5.49	213.69	7,475.58	-427.20	-284.78	-424.90	0.00	0.00	0.00
7,600.00	5.49	213.69	7,575.12	-435.17	-290.09	-432.83	0.00	0.00	0.00
7,700.00	5.49	213.69	7,674.66	-443.13	-295.40	-440.75	0.00	0.00	0.00
7,800.00	5.49	213.69	7,774.20	-451.10	-300.71	-448.67	0.00	0.00	0.00
7,900.00	5.49	213.69	7,873.74	-459.07	-306.02	-456.59	0.00	0.00	0.00
7,975.61	5.49	213.69	7,949.00	-465.09	-310.04	-462.59	0.00	0.00	0.00
BSPG									
8,000.00	5.49	213.69	7,973.28	-467.03	-311.33	-464.52	0.00	0.00	0.00
8,048.94	5.49	213.69	8,022.00	-470.93	-313.93	-468.40	0.00	0.00	0.00
AVLN_UPR_SS									
8,075.06	5.49	213.69	8,048.00	-473.01	-315.32	-470.47	0.00	0.00	0.00
BSPG_UAVLN_SH									
8,100.00	5.49	213.69	8,072.82	-475.00	-316.64	-472.44	0.00	0.00	0.00
8,200.00	5.49	213.69	8,172.36	-482.96	-321.95	-480.36	0.00	0.00	0.00
8,280.01	5.49	213.69	8,252.00	-489.34	-326.20	-486.70	0.00	0.00	0.00
AVLN_SH_BASE									
8,300.00	5.49	213.69	8,271.90	-490.93	-327.26	-488.29	0.00	0.00	0.00
8,400.00	5.49	213.69	8,371.44	-498.90	-332.57	-496.21	0.00	0.00	0.00
8,500.00	5.49	213.69	8,470.98	-506.86	-337.88	-504.13	0.00	0.00	0.00



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Well:	#704H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PERMIT		

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)
8,536.18	5.49	213.69	8,507.00	-509.75	-339.80	-507.00	0.00	0.00	0.00
AVLN_LWR_SH									
8,600.00	5.49	213.69	8,570.52	-514.83	-343.19	-512.06	0.00	0.00	0.00
8,700.00	5.49	213.69	8,670.07	-522.80	-348.50	-519.98	0.00	0.00	0.00
8,718.02	5.49	213.69	8,688.00	-524.23	-349.46	-521.41	0.00	0.00	0.00
BSPG1_LM									
8,800.00	5.49	213.69	8,769.61	-530.76	-353.81	-527.90	0.00	0.00	0.00
8,900.00	5.49	213.69	8,869.15	-538.73	-359.12	-535.83	0.00	0.00	0.00
8,922.96	5.49	213.69	8,892.00	-540.56	-360.34	-537.65	0.00	0.00	0.00
BSPG1									
9,000.00	5.49	213.69	8,968.69	-546.69	-364.43	-543.75	0.00	0.00	0.00
9,053.56	5.49	213.69	9,022.00	-550.96	-367.28	-547.99	0.00	0.00	0.00
BSPG2_SH									
9,100.00	5.49	213.69	9,068.23	-554.66	-369.74	-551.67	0.00	0.00	0.00
9,200.00	5.49	213.69	9,167.77	-562.63	-375.05	-559.60	0.00	0.00	0.00
9,231.93	5.49	213.69	9,199.55	-565.17	-376.75	-562.13	0.00	0.00	0.00
9,250.00	4.13	227.98	9,217.56	-566.32	-377.71	-563.27	10.00	-7.56	79.05
9,300.00	3.83	305.78	9,267.47	-566.55	-380.41	-563.48	10.00	-0.59	155.61
9,350.00	7.89	336.61	9,317.21	-562.42	-383.12	-559.33	10.00	8.12	61.66
9,400.00	12.64	345.61	9,366.40	-553.97	-385.85	-550.85	10.00	9.50	18.00
9,450.00	17.53	349.69	9,414.66	-541.25	-388.56	-538.12	10.00	9.78	8.18
9,457.71	18.29	350.13	9,422.00	-538.92	-388.97	-535.78	10.00	9.85	5.70
BSPG2_LM									
9,500.00	22.47	352.03	9,461.63	-524.37	-391.23	-521.22	10.00	9.88	4.49
9,550.00	27.42	353.56	9,506.95	-503.46	-393.85	-500.28	10.00	9.92	3.06
9,600.00	32.40	354.66	9,550.28	-478.66	-396.39	-475.47	10.00	9.94	2.18
9,650.00	37.37	355.48	9,591.28	-450.18	-398.83	-446.97	10.00	9.96	1.66
9,700.00	42.35	356.14	9,629.65	-418.23	-401.16	-415.00	10.00	9.96	1.32
9,750.00	47.34	356.69	9,665.09	-383.05	-403.36	-379.80	10.00	9.97	1.09
9,800.00	52.33	357.15	9,697.33	-344.91	-405.41	-341.64	10.00	9.98	0.93
9,850.00	57.32	357.55	9,726.13	-304.09	-407.29	-300.81	10.00	9.98	0.81
9,890.97	61.41	357.85	9,747.00	-268.88	-408.70	-265.59	10.00	9.98	0.73
BSPG2									
9,900.00	62.31	357.91	9,751.26	-260.92	-409.00	-257.63	10.00	9.98	0.69
9,950.00	67.30	358.24	9,772.54	-215.72	-410.51	-212.42	10.00	9.98	0.66
10,000.00	72.29	358.55	9,789.80	-168.83	-411.82	-165.52	10.00	9.98	0.61
10,050.00	77.28	358.84	9,802.92	-120.61	-412.92	-117.29	10.00	9.98	0.58
10,100.00	82.27	359.12	9,811.79	-71.43	-413.80	-68.10	10.00	9.98	0.56
10,150.00	87.27	359.39	9,816.35	-21.66	-414.44	-18.33	10.00	9.99	0.54
10,177.37	90.00	359.54	9,817.00	5.70	-414.70	9.03	10.00	9.99	0.54
LP									
10,200.00	90.00	359.54	9,817.00	28.33	-414.88	31.66	0.00	0.00	0.00
10,300.00	90.00	359.54	9,817.00	128.33	-415.69	131.66	0.00	0.00	0.00
10,400.00	90.00	359.54	9,817.00	228.33	-416.50	231.66	0.00	0.00	0.00
10,500.00	90.00	359.54	9,817.00	328.32	-417.31	331.66	0.00	0.00	0.00
10,600.00	90.00	359.54	9,817.00	428.32	-418.11	431.66	0.00	0.00	0.00
10,700.00	90.00	359.54	9,817.00	528.32	-418.92	531.66	0.00	0.00	0.00
10,800.00	90.00	359.54	9,817.00	628.31	-419.73	631.66	0.00	0.00	0.00
10,900.00	90.00	359.54	9,817.00	728.31	-420.54	731.66	0.00	0.00	0.00
11,000.00	90.00	359.54	9,817.00	828.31	-421.34	831.66	0.00	0.00	0.00
11,100.00	90.00	359.54	9,817.00	928.30	-422.15	931.66	0.00	0.00	0.00
11,200.00	90.00	359.54	9,817.00	1,028.30	-422.96	1,031.66	0.00	0.00	0.00
11,300.00	90.00	359.54	9,817.00	1,128.30	-423.77	1,131.66	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.1.13 Single User Db	Local Co-ordinate Reference:	Well #704H
Company:	XTO Energy	TVD Reference:	RKB = 15' @ 3422.00usft
Project:	Eddy County, NM (NAD-27)	MD Reference:	RKB = 15' @ 3422.00usft
Site:	Los Medanos 36-23-30	North Reference:	Grid
Well:	#704H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PERMIT		

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)
11,400.00	90.00	359.54	9,817.00	1,228.29	-424.58	1,231.66	0.00	0.00	0.00
11,500.00	90.00	359.54	9,817.00	1,328.29	-425.38	1,331.66	0.00	0.00	0.00
11,600.00	90.00	359.54	9,817.00	1,428.29	-426.19	1,431.66	0.00	0.00	0.00
11,700.00	90.00	359.54	9,817.00	1,528.28	-427.00	1,531.66	0.00	0.00	0.00
11,800.00	90.00	359.54	9,817.00	1,628.28	-427.81	1,631.66	0.00	0.00	0.00
11,900.00	90.00	359.54	9,817.00	1,728.28	-428.61	1,731.66	0.00	0.00	0.00
12,000.00	90.00	359.54	9,817.00	1,828.27	-429.42	1,831.66	0.00	0.00	0.00
12,100.00	90.00	359.54	9,817.00	1,928.27	-430.23	1,931.66	0.00	0.00	0.00
12,200.00	90.00	359.54	9,817.00	2,028.27	-431.04	2,031.66	0.00	0.00	0.00
12,300.00	90.00	359.54	9,817.00	2,128.26	-431.85	2,131.66	0.00	0.00	0.00
12,400.00	90.00	359.54	9,817.00	2,228.26	-432.65	2,231.66	0.00	0.00	0.00
12,500.00	90.00	359.54	9,817.00	2,328.26	-433.46	2,331.66	0.00	0.00	0.00
12,600.00	90.00	359.54	9,817.00	2,428.25	-434.27	2,431.66	0.00	0.00	0.00
12,700.00	90.00	359.54	9,817.00	2,528.25	-435.08	2,531.66	0.00	0.00	0.00
12,800.00	90.00	359.54	9,817.00	2,628.25	-435.88	2,631.66	0.00	0.00	0.00
12,900.00	90.00	359.54	9,817.00	2,728.24	-436.69	2,731.66	0.00	0.00	0.00
13,000.00	90.00	359.54	9,817.00	2,828.24	-437.50	2,831.66	0.00	0.00	0.00
13,100.00	90.00	359.54	9,817.00	2,928.24	-438.31	2,931.66	0.00	0.00	0.00
13,200.00	90.00	359.54	9,817.00	3,028.23	-439.11	3,031.66	0.00	0.00	0.00
13,300.00	90.00	359.54	9,817.00	3,128.23	-439.92	3,131.66	0.00	0.00	0.00
13,400.00	90.00	359.54	9,817.00	3,228.23	-440.73	3,231.66	0.00	0.00	0.00
13,500.00	90.00	359.54	9,817.00	3,328.22	-441.54	3,331.66	0.00	0.00	0.00
13,600.00	90.00	359.54	9,817.00	3,428.22	-442.35	3,431.66	0.00	0.00	0.00
13,700.00	90.00	359.54	9,817.00	3,528.22	-443.15	3,531.66	0.00	0.00	0.00
13,800.00	90.00	359.54	9,817.00	3,628.21	-443.96	3,631.66	0.00	0.00	0.00
13,900.00	90.00	359.54	9,817.00	3,728.21	-444.77	3,731.66	0.00	0.00	0.00
14,000.00	90.00	359.54	9,817.00	3,828.21	-445.58	3,831.66	0.00	0.00	0.00
14,100.00	90.00	359.54	9,817.00	3,928.20	-446.38	3,931.66	0.00	0.00	0.00
14,200.00	90.00	359.54	9,817.00	4,028.20	-447.19	4,031.66	0.00	0.00	0.00
14,300.00	90.00	359.54	9,817.00	4,128.20	-448.00	4,131.66	0.00	0.00	0.00
14,400.00	90.00	359.54	9,817.00	4,228.19	-448.81	4,231.66	0.00	0.00	0.00
14,500.00	90.00	359.54	9,817.00	4,328.19	-449.62	4,331.66	0.00	0.00	0.00
14,600.00	90.00	359.54	9,817.00	4,428.19	-450.42	4,431.66	0.00	0.00	0.00
14,700.00	90.00	359.54	9,817.00	4,528.18	-451.23	4,531.66	0.00	0.00	0.00
14,801.42	90.00	359.54	9,817.00	4,629.60	-452.05	4,633.08	0.00	0.00	0.00
14,900.00	90.00	359.54	9,817.00	4,728.18	-452.85	4,731.66	0.00	0.00	0.00
14,931.42	90.00	359.54	9,817.00	4,759.60	-453.10	4,763.08	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.1.13 Single User Db	Local Co-ordinate Reference:	Well #704H
Company:	XTO Energy	TVD Reference:	RKB = 15' @ 3422.00usft
Project:	Eddy County, NM (NAD-27)	MD Reference:	RKB = 15' @ 3422.00usft
Site:	Los Medanos 36-23-30	North Reference:	Grid
Well:	#704H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PERMIT		

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 #704: SHL (321' F - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	456,822.70	654,471.40	32.2549343	-103.8336452
LM #704: PBHL (200' - plan hits target center - Point	0.00	0.00	9,817.00	4,759.60	-453.10	461,582.30	654,018.30	32.2680237	-103.8350394
LM #704: FTP - plan hits target center - Point	0.00	0.00	9,817.00	5.70	-414.70	456,828.40	654,056.70	32.2549553	-103.8349866
LM #704: LTP - plan misses target center by 0.15usft at 14801.42usft MD (9817.00 TVD, 4629.60 N, -452.05 E) - Point	0.00	0.00	9,817.00	4,629.60	-451.90	461,452.30	654,019.50	32.2676663	-103.8350375

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,809.88	2,807.00	Top of Salt			
2,910.34	2,907.00	Rustler			
3,668.82	3,662.00	Base of Salt			
4,025.46	4,017.00	DLWR			
4,974.82	4,962.00	CRCN			
6,567.14	6,547.00	BYCN			
7,975.61	7,949.00	BSPG			
8,048.94	8,022.00	AVLN_UPR_SS			
8,075.06	8,048.00	BSPG_UAVLN_SH			
8,280.01	8,252.00	AVLN_SH_BASE			
8,536.18	8,507.00	AVLN_LWR_SH			
8,718.02	8,688.00	BSPG1_LM			
8,922.96	8,892.00	BSPG1			
9,053.56	9,022.00	BSPG2_SH			
9,457.71	9,422.00	BSPG2_LM			
9,890.97	9,747.00	BSPG2			
10,177.37	9,817.00	LP			