



XTO Energy

**Eddy County, NM (NAD-27)
Los Medanos 36-23-30
#705H**

OH

Plan: PERMIT

Standard Planning Report

28 May, 2019

RECEIVED

JUN 03 2019

DISTRICT II-ARTESIA O.C.D.



Project: Eddy County, NM (NAD-27)
Site: Los Medanos 36-23-30
Well: #705H
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: #705H

Rig Name: RKB = 15' @ 3421.00usft
Ground Level: 3406.00
+N/-S +E/-W Northing Easting Latitude Longitude
0.00 0.00 456852.80 654471.70 32.2550171 -103.8336438

DESIGN TARGET DETAILS

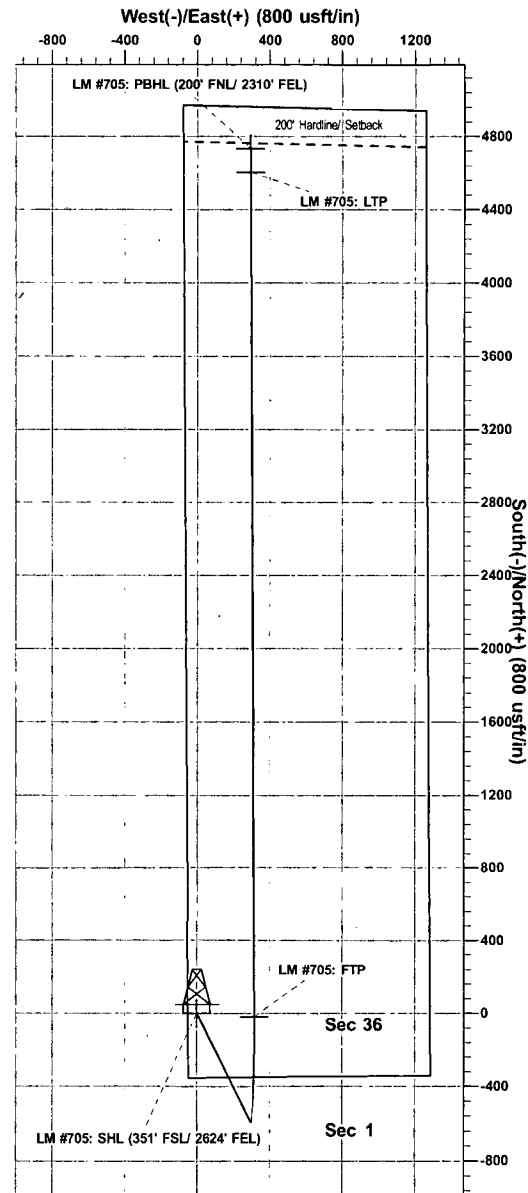
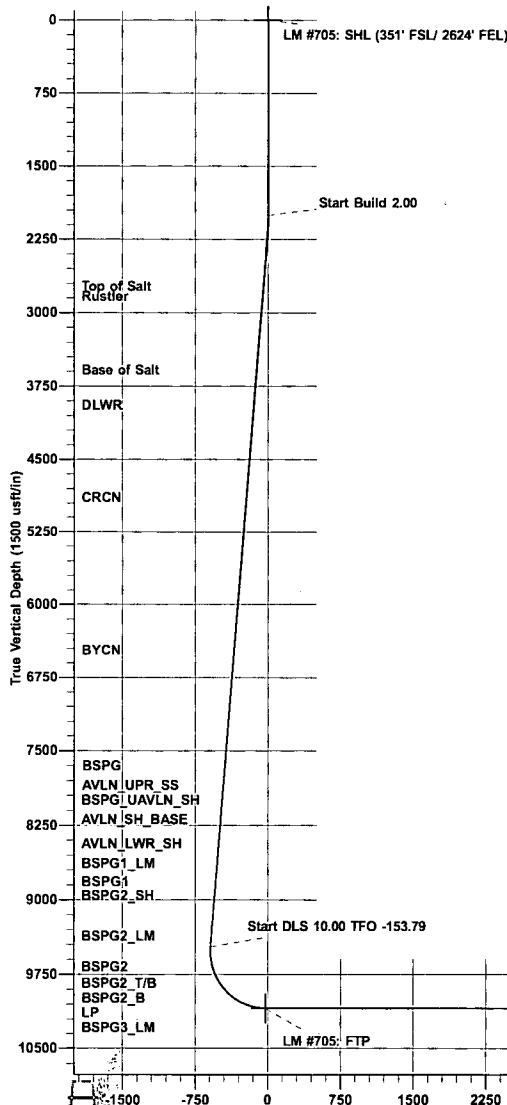
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
LM #705: SHL (351' FSU/ 2624' FEL)	0.00	0.00	0.00	456852.80	654471.70	32.2550171	-103.8336438	Point
LM #705: FTP	10091.00	-18.90	314.50	456833.90	654786.20	32.2549611	-103.8326268	Point
LM #705: LTP	10091.00	4604.90	292.90	461457.70	654764.60	32.2676716	-103.8326269	Point
LM #705: PBHL (200' FNL/ 2310' FEL)	10091.00	4734.90	292.30	461587.70	654764.00	32.2680290	-103.8326268	Point

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dieg	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	2256.27	5.13	153.61	2255.93	-10.26	5.09	2.00	153.61	-10.29
4	9501.88	5.13	153.61	9472.57	-590.12	292.75	0.00	0.00	-591.49
5	10447.89	90.00	359.73	10091.00	-18.90	314.50	10.00	-153.79	-20.38
6	15071.74	90.00	359.73	10091.00	4604.90	292.91	0.00	0.00	4603.47
7	15201.74	90.00	359.73	10091.00	4734.90	292.30	0.00	0.00	4733.47

FORMATION TOP DETAILS

TVDPath	Formation
2806.00	Top of Salt
2908.00	Rustler
3661.00	Base of Salt
4021.00	DLWR
4963.00	CRCN
6546.00	BYCN
7968.00	BSPG
8046.00	AVLN UPR_SS
8071.00	BSPG_UAVLN_SH
8266.00	AVLN_SH_BASE
8511.00	AVLN_LWR_SH
8707.00	BSPG1_LM
8891.00	BSPG1
9031.00	BSPG2_SH
9441.00	BSPG2_LM
9746.00	BSPG2
9911.00	BSPG2_T/B
9971.00	BSPG2_B
10091.00	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 Proserve are at the sole risk and responsibility of the user.

Vertical Section at 359.73° (1500 usft/in)

Plan: PERMIT (#705H/OH)

Created By: Matthew May Date: 16:25, May 28 2019



Planning Report

Database:	EDM 5000.1.13 Single User Db	Local Co-ordinate Reference:	Well #705H
Company:	XTO Energy	TVD Reference:	RKB = 15' @ 3421.00usft
Project:	Eddy County, NM (NAD-27)	MD Reference:	RKB = 15' @ 3421.00usft
Site:	Los Medanos 36-23-30	North Reference:	Grid
Well:	#705H	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	#705H		
Well Position	+N/-S	-19.10 usft	Northing:
	+E/-W	1,510.30 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	32.2550171
		Longitude:	-103.8336438
		Ground Level:	3,406.00 usft

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

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 (°)
			359.73

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	
2,256.27	5.13	153.61	2,255.93	-10.26	5.09	2.00	2.00	0.00	153.61	
9,501.88	5.13	153.61	9,472.57	-590.12	292.75	0.00	0.00	0.00	0.00	
10,447.89	90.00	359.73	10,091.00	-18.90	314.50	10.00	8.97	-16.27	-153.79	LM #705: FTP
15,071.74	90.00	359.73	10,091.00	4,604.90	292.91	0.00	0.00	0.00	0.00	LM #705: LTP
15,201.74	90.00	359.73	10,091.00	4,734.90	292.30	0.00	0.00	0.00	0.00	LM #705: PBHL (2C



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Site:	Los Medanos 36-23-30	North Reference:	Grid
Well:	#705H	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	153.61	2,099.98	-1.56	0.78	-1.57	2.00	2.00	0.00
2,200.00	4.00	153.61	2,199.84	-6.25	3.10	-6.27	2.00	2.00	0.00
2,256.27	5.13	153.61	2,255.93	-10.26	5.09	-10.29	2.00	2.00	0.00
2,300.00	5.13	153.61	2,299.48	-13.76	6.83	-13.79	0.00	0.00	0.00
2,400.00	5.13	153.61	2,399.08	-21.76	10.80	-21.81	0.00	0.00	0.00
2,500.00	5.13	153.61	2,498.68	-29.77	14.77	-29.84	0.00	0.00	0.00
2,600.00	5.13	153.61	2,598.28	-37.77	18.74	-37.86	0.00	0.00	0.00
2,700.00	5.13	153.61	2,697.88	-45.77	22.71	-45.88	0.00	0.00	0.00
2,800.00	5.13	153.61	2,797.48	-53.78	26.68	-53.90	0.00	0.00	0.00
2,808.55	5.13	153.61	2,806.00	-54.46	27.02	-54.59	0.00	0.00	0.00
Top of Salt									
2,900.00	5.13	153.61	2,897.08	-61.78	30.65	-61.92	0.00	0.00	0.00
2,908.95	5.13	153.61	2,906.00	-62.49	31.00	-62.64	0.00	0.00	0.00
Rustler									
3,000.00	5.13	153.61	2,996.68	-69.78	34.62	-69.94	0.00	0.00	0.00
3,100.00	5.13	153.61	3,096.28	-77.78	38.59	-77.97	0.00	0.00	0.00
3,200.00	5.13	153.61	3,195.89	-85.79	42.56	-85.99	0.00	0.00	0.00
3,300.00	5.13	153.61	3,295.49	-93.79	46.53	-94.01	0.00	0.00	0.00
3,400.00	5.13	153.61	3,395.09	-101.79	50.50	-102.03	0.00	0.00	0.00
3,500.00	5.13	153.61	3,494.69	-109.80	54.47	-110.05	0.00	0.00	0.00
3,600.00	5.13	153.61	3,594.29	-117.80	58.44	-118.07	0.00	0.00	0.00
3,666.98	5.13	153.61	3,661.00	-123.16	61.10	-123.45	0.00	0.00	0.00
Base of Salt									
3,700.00	5.13	153.61	3,693.89	-125.80	62.41	-126.09	0.00	0.00	0.00
3,800.00	5.13	153.61	3,793.49	-133.80	66.38	-134.12	0.00	0.00	0.00
3,900.00	5.13	153.61	3,893.09	-141.81	70.35	-142.14	0.00	0.00	0.00
4,000.00	5.13	153.61	3,992.69	-149.81	74.32	-150.16	0.00	0.00	0.00
4,028.43	5.13	153.61	4,021.00	-152.09	75.45	-152.44	0.00	0.00	0.00
DLWR									
4,100.00	5.13	153.61	4,092.29	-157.81	78.29	-158.18	0.00	0.00	0.00
4,200.00	5.13	153.61	4,191.89	-165.82	82.26	-166.20	0.00	0.00	0.00
4,300.00	5.13	153.61	4,291.49	-173.82	86.23	-174.22	0.00	0.00	0.00
4,400.00	5.13	153.61	4,391.09	-181.82	90.20	-182.24	0.00	0.00	0.00



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Site:	Los Medanos 36-23-30	North Reference:	Grid
Well:	#705H	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	5.13	153.61	4,490.69	-189.82	94.17	-190.27	0.00	0.00	0.00
4,600.00	5.13	153.61	4,590.29	-197.83	98.14	-198.29	0.00	0.00	0.00
4,700.00	5.13	153.61	4,689.89	-205.83	102.11	-206.31	0.00	0.00	0.00
4,800.00	5.13	153.61	4,789.49	-213.83	106.08	-214.33	0.00	0.00	0.00
4,900.00	5.13	153.61	4,889.09	-221.84	110.05	-222.35	0.00	0.00	0.00
4,974.21	5.13	153.61	4,963.00	-227.78	113.00	-228.31	0.00	0.00	0.00
CRCN									
5,000.00	5.13	153.61	4,988.69	-229.84	114.02	-230.37	0.00	0.00	0.00
5,100.00	5.13	153.61	5,088.29	-237.84	117.99	-238.40	0.00	0.00	0.00
5,200.00	5.13	153.61	5,187.89	-245.84	121.96	-246.42	0.00	0.00	0.00
5,300.00	5.13	153.61	5,287.49	-253.85	125.93	-254.44	0.00	0.00	0.00
5,400.00	5.13	153.61	5,387.09	-261.85	129.90	-262.46	0.00	0.00	0.00
5,500.00	5.13	153.61	5,486.69	-269.85	133.87	-270.48	0.00	0.00	0.00
5,600.00	5.13	153.61	5,586.29	-277.86	137.84	-278.50	0.00	0.00	0.00
5,700.00	5.13	153.61	5,685.89	-285.86	141.81	-286.52	0.00	0.00	0.00
5,800.00	5.13	153.61	5,785.49	-293.86	145.78	-294.55	0.00	0.00	0.00
5,900.00	5.13	153.61	5,885.09	-301.87	149.75	-302.57	0.00	0.00	0.00
6,000.00	5.13	153.61	5,984.69	-309.87	153.72	-310.59	0.00	0.00	0.00
6,100.00	5.13	153.61	6,084.29	-317.87	157.69	-318.61	0.00	0.00	0.00
6,200.00	5.13	153.61	6,183.89	-325.87	161.66	-326.63	0.00	0.00	0.00
6,300.00	5.13	153.61	6,283.49	-333.88	165.63	-334.65	0.00	0.00	0.00
6,400.00	5.13	153.61	6,383.09	-341.88	169.60	-342.67	0.00	0.00	0.00
6,500.00	5.13	153.61	6,482.69	-349.88	173.57	-350.70	0.00	0.00	0.00
6,563.56	5.13	153.61	6,546.00	-354.97	176.09	-355.80	0.00	0.00	0.00
BYCN									
6,600.00	5.13	153.61	6,582.29	-357.89	177.54	-358.72	0.00	0.00	0.00
6,700.00	5.13	153.61	6,681.89	-365.89	181.51	-366.74	0.00	0.00	0.00
6,800.00	5.13	153.61	6,781.49	-373.89	185.48	-374.76	0.00	0.00	0.00
6,900.00	5.13	153.61	6,881.09	-381.89	189.45	-382.78	0.00	0.00	0.00
7,000.00	5.13	153.61	6,980.69	-389.90	193.42	-390.80	0.00	0.00	0.00
7,100.00	5.13	153.61	7,080.29	-397.90	197.39	-398.83	0.00	0.00	0.00
7,200.00	5.13	153.61	7,179.89	-405.90	201.36	-406.85	0.00	0.00	0.00
7,300.00	5.13	153.61	7,279.49	-413.91	205.33	-414.87	0.00	0.00	0.00
7,400.00	5.13	153.61	7,379.09	-421.91	209.30	-422.89	0.00	0.00	0.00
7,500.00	5.13	153.61	7,478.69	-429.91	213.27	-430.91	0.00	0.00	0.00
7,600.00	5.13	153.61	7,578.29	-437.91	217.24	-438.93	0.00	0.00	0.00
7,700.00	5.13	153.61	7,677.89	-445.92	221.21	-446.95	0.00	0.00	0.00
7,800.00	5.13	153.61	7,777.49	-453.92	225.18	-454.98	0.00	0.00	0.00
7,900.00	5.13	153.61	7,877.09	-461.92	229.15	-463.00	0.00	0.00	0.00
7,991.27	5.13	153.61	7,968.00	-469.23	232.78	-470.32	0.00	0.00	0.00
BSPG									
8,000.00	5.13	153.61	7,976.69	-469.93	233.12	-471.02	0.00	0.00	0.00
8,069.59	5.13	153.61	8,046.00	-475.49	235.89	-476.60	0.00	0.00	0.00
AVLN_UPR_SS									
8,094.69	5.13	153.61	8,071.00	-477.50	236.88	-478.61	0.00	0.00	0.00
BSPG_UAVLN_SH									
8,100.00	5.13	153.61	8,076.29	-477.93	237.09	-479.04	0.00	0.00	0.00
8,200.00	5.13	153.61	8,175.89	-485.93	241.06	-487.06	0.00	0.00	0.00
8,290.47	5.13	153.61	8,266.00	-493.17	244.65	-494.32	0.00	0.00	0.00
AVLN_SH_BASE									
8,300.00	5.13	153.61	8,275.49	-493.93	245.03	-495.08	0.00	0.00	0.00
8,400.00	5.13	153.61	8,375.09	-501.94	249.00	-503.11	0.00	0.00	0.00
8,500.00	5.13	153.61	8,474.69	-509.94	252.97	-511.13	0.00	0.00	0.00



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Wellbore:	OH		
Design:	PERMIT		

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8,536.45	5.13	153.61	8,511.00	-512.86	254.42	-514.05	0.00	0.00	0.00
AVLN_LWR_SH									
8,600.00	5.13	153.61	8,574.29	-517.94	256.94	-519.15	0.00	0.00	0.00
8,700.00	5.13	153.61	8,673.89	-525.95	260.91	-527.17	0.00	0.00	0.00
8,733.24	5.13	153.61	8,707.00	-528.61	262.23	-529.84	0.00	0.00	0.00
BSPG1_LM									
8,800.00	5.13	153.61	8,773.49	-533.95	264.88	-535.19	0.00	0.00	0.00
8,900.00	5.13	153.61	8,873.09	-541.95	268.85	-543.21	0.00	0.00	0.00
8,917.98	5.13	153.61	8,891.00	-543.39	269.57	-544.65	0.00	0.00	0.00
BSPG1									
9,000.00	5.13	153.61	8,972.69	-549.95	272.82	-551.23	0.00	0.00	0.00
9,058.54	5.13	153.61	9,031.00	-554.64	275.15	-555.93	0.00	0.00	0.00
BSPG2_SH									
9,100.00	5.13	153.61	9,072.29	-557.96	276.79	-559.26	0.00	0.00	0.00
9,200.00	5.13	153.61	9,171.89	-565.96	280.76	-567.28	0.00	0.00	0.00
9,300.00	5.13	153.61	9,271.49	-573.96	284.73	-575.30	0.00	0.00	0.00
9,400.00	5.13	153.61	9,371.10	-581.97	288.70	-583.32	0.00	0.00	0.00
9,470.19	5.13	153.61	9,441.00	-587.58	291.49	-588.95	0.00	0.00	0.00
BSPG2_LM									
9,501.88	5.13	153.61	9,472.57	-590.12	292.75	-591.49	0.00	0.00	0.00
9,550.00	2.27	84.39	9,520.60	-591.95	294.65	-593.33	10.00	-5.93	-143.85
9,600.00	5.68	23.12	9,570.49	-589.58	296.61	-590.97	10.00	6.82	-122.53
9,650.00	10.46	12.09	9,619.98	-582.86	298.54	-584.26	10.00	9.55	-22.08
9,700.00	15.37	7.99	9,668.70	-571.86	300.41	-573.26	10.00	9.84	-8.20
9,750.00	20.33	5.85	9,716.28	-556.64	302.22	-558.06	10.00	9.92	-4.28
9,782.04	23.52	4.94	9,746.00	-544.73	303.33	-546.16	10.00	9.94	-2.84
BSPG2									
9,800.00	25.31	4.52	9,762.36	-537.33	303.94	-538.76	10.00	9.95	-2.31
9,850.00	30.29	3.61	9,806.57	-514.08	305.58	-515.52	10.00	9.96	-1.83
9,900.00	35.27	2.93	9,848.60	-487.06	307.11	-488.51	10.00	9.97	-1.35
9,950.00	40.26	2.40	9,888.11	-456.48	308.53	-457.93	10.00	9.98	-1.06
9,980.71	43.33	2.13	9,911.00	-436.03	309.34	-437.48	10.00	9.98	-0.89
BSPG2_T/B									
10,000.00	45.26	1.98	9,924.81	-422.57	309.82	-424.03	10.00	9.98	-0.81
10,050.00	50.25	1.61	9,958.41	-385.59	310.98	-387.05	10.00	9.99	-0.72
10,070.11	52.26	1.48	9,971.00	-369.91	311.40	-371.37	10.00	9.99	-0.65
BSPG2_B									
10,100.00	55.24	1.30	9,988.67	-345.82	311.99	-347.28	10.00	9.99	-0.61
10,150.00	60.24	1.03	10,015.35	-303.56	312.84	-305.03	10.00	9.99	-0.55
10,200.00	65.23	0.78	10,038.25	-259.13	313.54	-260.61	10.00	9.99	-0.50
10,250.00	70.23	0.55	10,057.19	-212.88	314.07	-214.36	10.00	9.99	-0.46
10,300.00	75.22	0.33	10,072.04	-165.15	314.43	-166.63	10.00	9.99	-0.43
10,350.00	80.22	0.12	10,082.67	-116.31	314.63	-117.79	10.00	9.99	-0.41
10,400.00	85.22	359.92	10,089.00	-66.73	314.64	-68.21	10.00	9.99	-0.40
10,447.89	90.00	359.73	10,091.00	-18.90	314.50	-20.38	10.00	9.99	-0.40
LP									
10,500.00	90.00	359.73	10,091.00	33.21	314.26	31.73	0.00	0.00	0.00
10,600.00	90.00	359.73	10,091.00	133.21	313.79	131.73	0.00	0.00	0.00
10,700.00	90.00	359.73	10,091.00	233.21	313.32	231.73	0.00	0.00	0.00
10,800.00	90.00	359.73	10,091.00	333.21	312.86	331.73	0.00	0.00	0.00
10,900.00	90.00	359.73	10,091.00	433.21	312.39	431.73	0.00	0.00	0.00
11,000.00	90.00	359.73	10,091.00	533.21	311.92	531.73	0.00	0.00	0.00
11,100.00	90.00	359.73	10,091.00	633.21	311.45	631.73	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.1.13 Single User Db	Local Co-ordinate Reference:	Well #705H
Company:	XTO Energy	TVD Reference:	RKB = 15' @ 3421.00usft
Project:	Eddy County, NM (NAD-27)	MD Reference:	RKB = 15' @ 3421.00usft
Site:	Los Medanos 36-23-30	North Reference:	Grid
Well:	#705H	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)
11,200.00	90.00	359.73	10,091.00	733.21	310.99	731.73	0.00	0.00	0.00
11,300.00	90.00	359.73	10,091.00	833.20	310.52	831.73	0.00	0.00	0.00
11,400.00	90.00	359.73	10,091.00	933.20	310.05	931.73	0.00	0.00	0.00
11,500.00	90.00	359.73	10,091.00	1,033.20	309.59	1,031.73	0.00	0.00	0.00
11,600.00	90.00	359.73	10,091.00	1,133.20	309.12	1,131.73	0.00	0.00	0.00
11,700.00	90.00	359.73	10,091.00	1,233.20	308.65	1,231.73	0.00	0.00	0.00
11,800.00	90.00	359.73	10,091.00	1,333.20	308.19	1,331.73	0.00	0.00	0.00
11,900.00	90.00	359.73	10,091.00	1,433.20	307.72	1,431.73	0.00	0.00	0.00
12,000.00	90.00	359.73	10,091.00	1,533.20	307.25	1,531.73	0.00	0.00	0.00
12,100.00	90.00	359.73	10,091.00	1,633.20	306.78	1,631.73	0.00	0.00	0.00
12,200.00	90.00	359.73	10,091.00	1,733.19	306.32	1,731.73	0.00	0.00	0.00
12,300.00	90.00	359.73	10,091.00	1,833.19	305.85	1,831.73	0.00	0.00	0.00
12,400.00	90.00	359.73	10,091.00	1,933.19	305.38	1,931.73	0.00	0.00	0.00
12,500.00	90.00	359.73	10,091.00	2,033.19	304.92	2,031.73	0.00	0.00	0.00
12,600.00	90.00	359.73	10,091.00	2,133.19	304.45	2,131.73	0.00	0.00	0.00
12,700.00	90.00	359.73	10,091.00	2,233.19	303.98	2,231.73	0.00	0.00	0.00
12,800.00	90.00	359.73	10,091.00	2,333.19	303.52	2,331.73	0.00	0.00	0.00
12,900.00	90.00	359.73	10,091.00	2,433.19	303.05	2,431.73	0.00	0.00	0.00
13,000.00	90.00	359.73	10,091.00	2,533.19	302.58	2,531.73	0.00	0.00	0.00
13,100.00	90.00	359.73	10,091.00	2,633.19	302.11	2,631.73	0.00	0.00	0.00
13,200.00	90.00	359.73	10,091.00	2,733.18	301.65	2,731.73	0.00	0.00	0.00
13,300.00	90.00	359.73	10,091.00	2,833.18	301.18	2,831.73	0.00	0.00	0.00
13,400.00	90.00	359.73	10,091.00	2,933.18	300.71	2,931.73	0.00	0.00	0.00
13,500.00	90.00	359.73	10,091.00	3,033.18	300.25	3,031.73	0.00	0.00	0.00
13,600.00	90.00	359.73	10,091.00	3,133.18	299.78	3,131.73	0.00	0.00	0.00
13,700.00	90.00	359.73	10,091.00	3,233.18	299.31	3,231.73	0.00	0.00	0.00
13,800.00	90.00	359.73	10,091.00	3,333.18	298.85	3,331.73	0.00	0.00	0.00
13,900.00	90.00	359.73	10,091.00	3,433.18	298.38	3,431.73	0.00	0.00	0.00
14,000.00	90.00	359.73	10,091.00	3,533.18	297.91	3,531.73	0.00	0.00	0.00
14,100.00	90.00	359.73	10,091.00	3,633.17	297.45	3,631.73	0.00	0.00	0.00
14,200.00	90.00	359.73	10,091.00	3,733.17	296.98	3,731.73	0.00	0.00	0.00
14,300.00	90.00	359.73	10,091.00	3,833.17	296.51	3,831.73	0.00	0.00	0.00
14,400.00	90.00	359.73	10,091.00	3,933.17	296.04	3,931.73	0.00	0.00	0.00
14,500.00	90.00	359.73	10,091.00	4,033.17	295.58	4,031.73	0.00	0.00	0.00
14,600.00	90.00	359.73	10,091.00	4,133.17	295.11	4,131.73	0.00	0.00	0.00
14,700.00	90.00	359.73	10,091.00	4,233.17	294.64	4,231.73	0.00	0.00	0.00
14,800.00	90.00	359.73	10,091.00	4,333.17	294.18	4,331.73	0.00	0.00	0.00
14,900.00	90.00	359.73	10,091.00	4,433.17	293.71	4,431.73	0.00	0.00	0.00
15,000.00	90.00	359.73	10,091.00	4,533.16	293.24	4,531.73	0.00	0.00	0.00
15,071.74	90.00	359.73	10,091.00	4,604.90	292.91	4,603.47	0.00	0.00	0.00
15,100.00	90.00	359.73	10,091.00	4,633.16	292.78	4,631.73	0.00	0.00	0.00
15,201.74	90.00	359.73	10,091.00	4,734.90	292.30	4,733.47	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.1.13 Single User Db	Local Co-ordinate Reference:	Well #705H
Company:	XTO Energy	TVD Reference:	RKB = 15' @ 3421.00usft
Project:	Eddy County, NM (NAD-27)	MD Reference:	RKB = 15' @ 3421.00usft
Site:	Los Medanos 36-23-30	North Reference:	Grid
Well:	#705H	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 #705: SHL (351' F - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	456,852.80	654,471.70	32.2550171	-103.8336438
LM #705: FTP - plan hits target center - Point	0.00	0.01	10,091.00	-18.90	314.50	456,833.90	654,786.20	32.2549611	-103.8326267
LM #705: PBHL (200' - plan hits target center - Point	0.00	0.01	10,091.00	4,734.90	292.30	461,587.70	654,764.00	32.2680290	-103.8326268
LM #705: LTP - plan misses target center by 0.01usft at 15071.74usft MD (10091.00 TVD, 4604.90 N, 292.91 E) - Point	0.00	0.01	10,091.00	4,604.90	292.90	461,457.70	654,764.60	32.2676716	-103.8326268

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,808.55	2,806.00	Top of Salt			
2,908.95	2,906.00	Rustler			
3,666.98	3,661.00	Base of Salt			
4,028.43	4,021.00	DLWR			
4,974.21	4,963.00	CRCN			
6,563.56	6,546.00	BYCN			
7,991.27	7,968.00	BSPG			
8,069.59	8,046.00	AVLN_UPR_SS			
8,094.69	8,071.00	BSPG_UAVLN_SH			
8,290.47	8,266.00	AVLN_SH_BASE			
8,536.45	8,511.00	AVLN_LWR_SH			
8,733.24	8,707.00	BSPG1_LM			
8,917.98	8,891.00	BSPG1			
9,058.54	9,031.00	BSPG2_SH			
9,470.19	9,441.00	BSPG2_LM			
9,782.04	9,746.00	BSPG2			
9,980.71	9,911.00	BSPG2_T/B			
10,070.11	9,971.00	BSPG2_B			
10,447.89	10,091.00	LP			