



XTO Energy

Eddy County, NM (NAD-27)

Tombstone 11 State

#126H

Wellbore #1

Plan: PERMIT

Standard Planning Report

21 February, 2019



Project: Eddy County, NM (NAD-27)
Site: Tombstone 11 State
Well: #126H
Wellbore: Wellbore #1
Design: PERMIT

WELL DETAILS: #126H

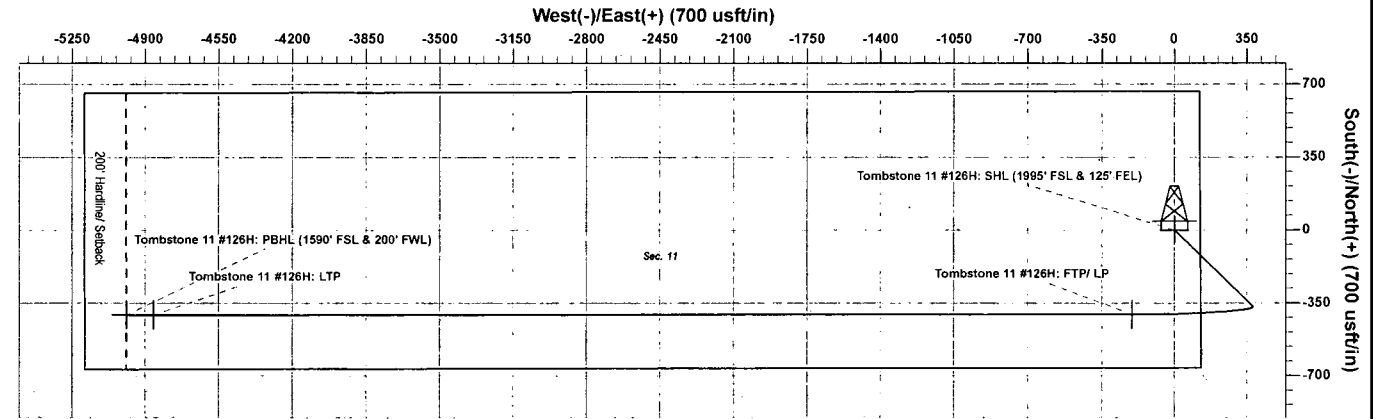
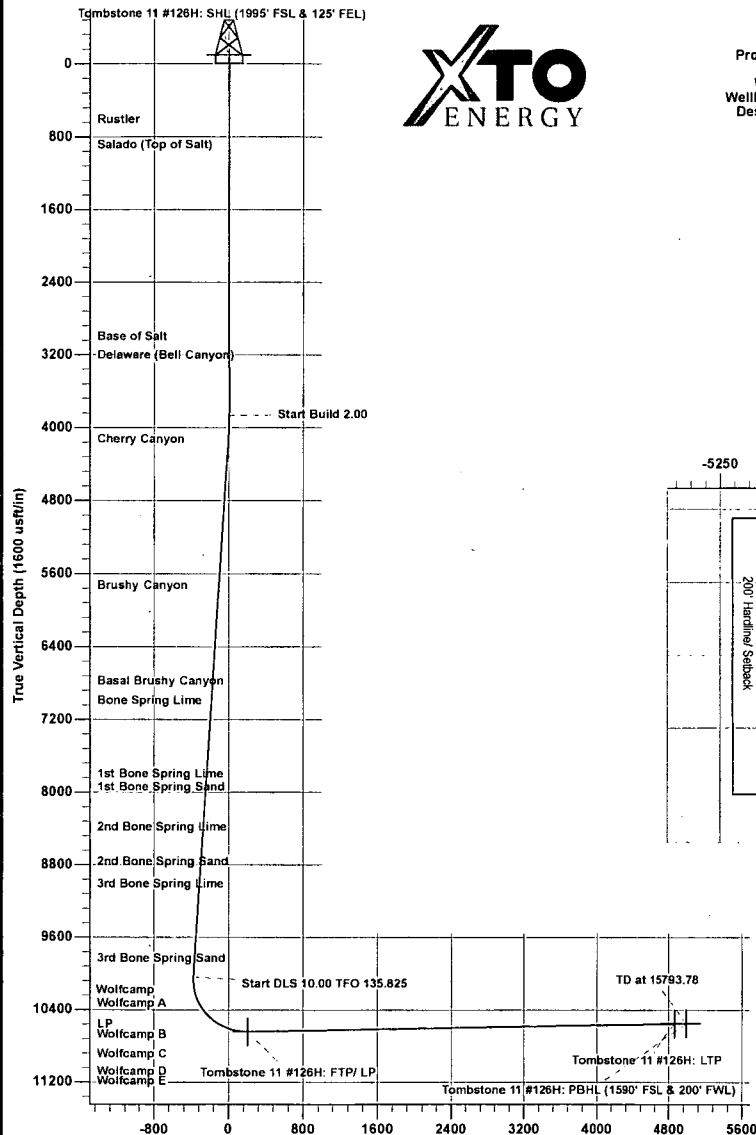
Rig Name: SL @ 3134.00usft
Ground Level: 3134.00
Latitude: 32.142690
Longitude: -103.946489
Northing: 415847.50
Easting: 619734.00

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00
2	3865.00	0.00	0.00	3865.00	0.00	0.00	0.00	0.000	0.00
3	4114.86	5.00	133.95	4114.54	-7.56	7.84	2.00	133.950	-7.83
4	10056.32	5.00	133.95	10035.41	-366.87	380.57	0.00	0.000	-380.25
5	11005.11	91.09	269.95	10843.00	-405.00	-202.10	10.00	135.825	202.45
6	15663.75	91.09	269.95	10554.47	-409.09	-4859.90	0.00	0.000	4860.26
7	15793.78	91.09	269.95	10552.00	-409.20	-4989.90	0.00	0.000	4990.26

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Tombstone 11 #126H: SHL (1995' FSL & 125' FEL)	0.00	0.00	0.00	415847.50	619734.00	32.142690	-103.946489	Point
Tombstone 11 #126H: PBHL (1590' FSL & 200' FWL)	10552.00	-409.20	-4989.90	415438.30	614744.10	32.141814	-103.962615	Point
Tombstone 11 #126H: LTP	10554.47	-409.10	-4859.90	415438.40	614874.10	32.141813	-103.962195	Point
Tombstone 11 #126H: FTP/LP	10643.00	-405.00	-202.10	415442.50	619531.90	32.141579	-103.947147	Point



FORMATION TOP DETAILS

TVDPPath	Formation
693.00	Rustler
973.00	Salado (Top of Salt)
3079.00	Base of Salt
3285.00	Delaware (Bell Canyon)
4207.00	Cherry Canyon
5808.00	Brushy Canyon
6858.00	Basal Brushy Canyon
7072.00	Bone Spring Lime
7960.00	1st Bone Spring Lime
8025.00	1st Bone Spring Sand
8464.00	2nd Bone Spring Lime
8847.00	2nd Bone Spring Sand
9093.00	3rd Bone Spring Lime
9915.00	3rd Bone Spring Sand
10266.00	Wolfcamp
10411.00	Wolfcamp A
10643.00	LP

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

Plan: PERMIT (#126H/Wellbore #1)

Created By: Matthew May Date: 12:16, February 21 2019

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



www.prototypewellplanning.com
Planning Report

Database: EDM 5000.1 Single User Db
Company: XTO Energy
Project: Eddy County, NM (NAD-27)
Site: Tombstone 11 State
Well: #126H
Wellbore: Wellbore #1
Design: PERMIT

Local Co-ordinate Reference: Well #126H
TVD Reference: GL @ 3134.00usft
MD Reference: GL @ 3134.00usft
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	Tombstone 11 State			
Site Position:		Northing:	418,228.20 usft	Latitude: 32.149235
From:	Map	Easting:	619,717.20 usft	Longitude: -103.946516
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.206 °

Well	#126H			
Well Position	+N/-S	-2,380.70 usft	Northing:	415,847.50 usft
	+E/-W	16.80 usft	Easting:	619,734.00 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level: 3,134.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/21/2019	6.940	59.907	47,680

Design	PERMIT			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	269.95

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	0.000	
3,865.00	0.00	0.00	3,865.00	0.00	0.00	0.00	0.00	0.00	0.000	
4,114.86	5.00	133.95	4,114.54	-7.56	7.84	2.00	2.00	0.00	133.950	
10,058.32	5.00	133.95	10,035.41	-366.87	380.57	0.00	0.00	0.00	0.000	
11,005.11	91.09	269.95	10,643.00	-405.00	-202.10	10.00	9.09	14.36	135.825	Tombstone 11 #126
15,663.75	91.09	269.95	10,554.47	-409.09	-4,859.90	0.00	0.00	0.00	0.000	Tombstone 11 #126
15,793.78	91.09	269.95	10,552.00	-409.20	-4,989.90	0.00	0.00	0.00	0.000	Tombstone 11 #126



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Local Co-ordinate Reference: Well #126H
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MD Reference: GL @ 3134.00usft
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
Tombstone 11 #126H: SHL (1995' FSL & 125' FEL)									
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
693.00	0.00	0.00	693.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
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
973.00	0.00	0.00	973.00	0.00	0.00	0.00	0.00	0.00	0.00
Salado (Top of Salt)									
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	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,079.00	0.00	0.00	3,079.00	0.00	0.00	0.00	0.00	0.00	0.00
Base of Salt									
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,285.00	0.00	0.00	3,285.00	0.00	0.00	0.00	0.00	0.00	0.00
Delaware (Bell Canyon)									
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,865.00	0.00	0.00	3,865.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.70	133.95	3,900.00	-0.15	0.15	-0.15	2.00	2.00	0.00
4,000.00	2.70	133.95	3,999.95	-2.21	2.29	-2.29	2.00	2.00	0.00
4,100.00	4.70	133.95	4,099.74	-6.69	6.94	-6.93	2.00	2.00	0.00
4,114.86	5.00	133.95	4,114.54	-7.56	7.84	-7.83	2.00	2.00	0.00
4,200.00	5.00	133.95	4,199.36	-12.70	13.18	-13.17	0.00	0.00	0.00



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4,207.67	5.00	133.95	4,207.00	-13.17	13.66	-13.65	0.00	0.00	0.00
Cherry Canyon									
4,300.00	5.00	133.95	4,298.98	-18.75	19.45	-19.43	0.00	0.00	0.00
4,400.00	5.00	133.95	4,398.60	-24.80	25.72	-25.70	0.00	0.00	0.00
4,500.00	5.00	133.95	4,498.22	-30.84	31.99	-31.97	0.00	0.00	0.00
4,600.00	5.00	133.95	4,597.84	-36.89	38.26	-38.23	0.00	0.00	0.00
4,700.00	5.00	133.95	4,697.46	-42.93	44.54	-44.50	0.00	0.00	0.00
4,800.00	5.00	133.95	4,797.08	-48.98	50.81	-50.76	0.00	0.00	0.00
4,900.00	5.00	133.95	4,896.70	-55.02	57.08	-57.03	0.00	0.00	0.00
5,000.00	5.00	133.95	4,996.32	-61.07	63.35	-63.30	0.00	0.00	0.00
5,100.00	5.00	133.95	5,095.94	-67.11	69.62	-69.56	0.00	0.00	0.00
5,200.00	5.00	133.95	5,195.56	-73.16	75.89	-75.83	0.00	0.00	0.00
5,300.00	5.00	133.95	5,295.18	-79.20	82.16	-82.09	0.00	0.00	0.00
5,400.00	5.00	133.95	5,394.80	-85.25	88.43	-88.36	0.00	0.00	0.00
5,500.00	5.00	133.95	5,494.42	-91.30	94.70	-94.62	0.00	0.00	0.00
5,600.00	5.00	133.95	5,594.04	-97.34	100.98	-100.89	0.00	0.00	0.00
5,700.00	5.00	133.95	5,693.66	-103.39	107.25	-107.16	0.00	0.00	0.00
5,800.00	5.00	133.95	5,793.28	-109.43	113.52	-113.42	0.00	0.00	0.00
5,814.78	5.00	133.95	5,808.00	-110.33	114.45	-114.35	0.00	0.00	0.00
Brushy Canyon									
5,900.00	5.00	133.95	5,892.90	-115.48	119.79	-119.69	0.00	0.00	0.00
6,000.00	5.00	133.95	5,992.52	-121.52	126.06	-125.95	0.00	0.00	0.00
6,100.00	5.00	133.95	6,092.14	-127.57	132.33	-132.22	0.00	0.00	0.00
6,200.00	5.00	133.95	6,191.76	-133.61	138.60	-138.49	0.00	0.00	0.00
6,300.00	5.00	133.95	6,291.38	-139.66	144.87	-144.75	0.00	0.00	0.00
6,400.00	5.00	133.95	6,391.00	-145.70	151.15	-151.02	0.00	0.00	0.00
6,500.00	5.00	133.95	6,490.62	-151.75	157.42	-157.28	0.00	0.00	0.00
6,600.00	5.00	133.95	6,590.24	-157.80	163.69	-163.55	0.00	0.00	0.00
6,700.00	5.00	133.95	6,689.86	-163.84	169.96	-169.82	0.00	0.00	0.00
6,800.00	5.00	133.95	6,789.48	-169.89	176.23	-176.08	0.00	0.00	0.00
6,868.78	5.00	133.95	6,858.00	-174.04	180.54	-180.39	0.00	0.00	0.00
Basal Brushy Canyon									
6,900.00	5.00	133.95	6,889.10	-175.93	182.50	-182.35	0.00	0.00	0.00
7,000.00	5.00	133.95	6,988.72	-181.98	188.77	-188.61	0.00	0.00	0.00
7,083.60	5.00	133.95	7,072.00	-187.03	194.02	-193.85	0.00	0.00	0.00
Bone Spring Lime									
7,100.00	5.00	133.95	7,088.34	-188.02	195.04	-194.88	0.00	0.00	0.00
7,200.00	5.00	133.95	7,187.96	-194.07	201.32	-201.15	0.00	0.00	0.00
7,300.00	5.00	133.95	7,287.58	-200.11	207.59	-207.41	0.00	0.00	0.00
7,400.00	5.00	133.95	7,387.20	-206.16	213.86	-213.68	0.00	0.00	0.00
7,500.00	5.00	133.95	7,486.82	-212.20	220.13	-219.94	0.00	0.00	0.00
7,600.00	5.00	133.95	7,586.44	-218.25	226.40	-226.21	0.00	0.00	0.00
7,700.00	5.00	133.95	7,686.06	-224.30	232.67	-232.48	0.00	0.00	0.00
7,800.00	5.00	133.95	7,785.68	-230.34	238.94	-238.74	0.00	0.00	0.00
7,900.00	5.00	133.95	7,885.30	-236.39	245.21	-245.01	0.00	0.00	0.00
7,974.99	5.00	133.95	7,960.00	-240.92	249.92	-249.71	0.00	0.00	0.00
1st Bone Spring Lime									
8,000.00	5.00	133.95	7,984.92	-242.43	251.48	-251.27	0.00	0.00	0.00
8,040.24	5.00	133.95	8,025.00	-244.86	254.01	-253.79	0.00	0.00	0.00
1st Bone Spring Sand									
8,100.00	5.00	133.95	8,084.54	-248.48	257.76	-257.54	0.00	0.00	0.00
8,200.00	5.00	133.95	8,184.16	-254.52	264.03	-263.81	0.00	0.00	0.00
8,300.00	5.00	133.95	8,283.78	-260.57	270.30	-270.07	0.00	0.00	0.00



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8,400.00	5.00	133.95	8,383.40	-266.61	276.57	-276.34	0.00	0.00	0.00
8,480.91	5.00	133.95	8,464.00	-271.50	281.64	-281.41	0.00	0.00	0.00
2nd Bone Spring Lime									
8,500.00	5.00	133.95	8,483.02	-272.66	282.84	-282.60	0.00	0.00	0.00
8,600.00	5.00	133.95	8,582.64	-278.70	289.11	-288.87	0.00	0.00	0.00
8,700.00	5.00	133.95	8,682.26	-284.75	295.38	-295.13	0.00	0.00	0.00
8,800.00	5.00	133.95	8,781.88	-290.80	301.65	-301.40	0.00	0.00	0.00
8,865.37	5.00	133.95	8,847.00	-294.75	305.75	-305.50	0.00	0.00	0.00
2nd Bone Spring Sand									
8,900.00	5.00	133.95	8,881.50	-296.84	307.93	-307.67	0.00	0.00	0.00
9,000.00	5.00	133.95	8,981.12	-302.89	314.20	-313.93	0.00	0.00	0.00
9,100.00	5.00	133.95	9,080.74	-308.93	320.47	-320.20	0.00	0.00	0.00
9,112.31	5.00	133.95	9,093.00	-309.68	321.24	-320.97	0.00	0.00	0.00
3rd Bone Spring Lime									
9,200.00	5.00	133.95	9,180.35	-314.98	326.74	-326.46	0.00	0.00	0.00
9,300.00	5.00	133.95	9,279.97	-321.02	333.01	-332.73	0.00	0.00	0.00
9,400.00	5.00	133.95	9,379.59	-327.07	339.28	-339.00	0.00	0.00	0.00
9,500.00	5.00	133.95	9,479.21	-333.11	345.55	-345.26	0.00	0.00	0.00
9,600.00	5.00	133.95	9,578.83	-339.16	351.82	-351.53	0.00	0.00	0.00
9,700.00	5.00	133.95	9,678.45	-345.20	358.10	-357.79	0.00	0.00	0.00
9,800.00	5.00	133.95	9,778.07	-351.25	364.37	-364.06	0.00	0.00	0.00
9,900.00	5.00	133.95	9,877.69	-357.29	370.64	-370.33	0.00	0.00	0.00
9,937.45	5.00	133.95	9,915.00	-359.56	372.99	-372.67	0.00	0.00	0.00
3rd Bone Spring Sand									
10,000.00	5.00	133.95	9,977.31	-363.34	376.91	-376.59	0.00	0.00	0.00
10,058.32	5.00	133.95	10,035.41	-366.87	380.57	-380.25	0.00	0.00	0.00
10,100.00	3.53	189.35	10,076.99	-369.39	381.67	-381.34	10.00	-3.52	132.91
10,150.00	6.57	238.03	10,126.81	-372.43	378.99	-378.66	10.00	6.09	97.36
10,200.00	11.13	251.88	10,176.21	-375.45	371.97	-371.64	10.00	9.12	27.70
10,250.00	15.95	257.60	10,224.81	-378.42	360.66	-360.33	10.00	9.65	11.44
10,293.34	20.20	260.37	10,266.00	-380.96	347.46	-347.12	10.00	9.80	6.39
Wolfcamp									
10,300.00	20.86	260.70	10,272.23	-381.34	345.15	-344.82	10.00	9.85	4.94
10,350.00	25.80	262.66	10,318.13	-384.17	325.57	-325.23	10.00	9.88	3.91
10,400.00	30.76	264.02	10,362.15	-386.90	302.04	-301.71	10.00	9.92	2.72
10,450.00	35.73	265.03	10,403.96	-389.49	274.77	-274.43	10.00	9.94	2.03
10,458.72	36.60	265.19	10,411.00	-389.93	269.64	-269.30	10.00	9.95	1.74
Wolfcamp A									
10,500.00	40.70	265.83	10,443.23	-391.94	243.94	-243.60	10.00	9.95	1.56
10,550.00	45.68	266.48	10,479.67	-394.23	209.81	-209.46	10.00	9.96	1.30
10,600.00	50.67	267.03	10,513.00	-396.33	172.62	-172.27	10.00	9.97	1.10
10,650.00	55.65	267.50	10,542.97	-398.24	132.66	-132.31	10.00	9.97	0.95
10,700.00	60.64	267.92	10,569.35	-399.93	90.24	-89.89	10.00	9.97	0.84
10,750.00	65.63	268.30	10,591.94	-401.39	45.67	-45.32	10.00	9.98	0.76
10,800.00	70.62	268.66	10,610.57	-402.62	-0.69	1.04	10.00	9.98	0.71
10,850.00	75.61	268.99	10,625.09	-403.60	-48.51	48.86	10.00	9.98	0.66
10,900.00	80.60	269.31	10,635.39	-404.32	-97.42	97.77	10.00	9.98	0.63
10,950.00	85.59	269.61	10,641.40	-404.79	-147.04	147.39	10.00	9.98	0.62
10,983.29	88.91	269.82	10,643.00	-404.96	-180.28	180.64	10.00	9.98	0.61
LP									
11,000.00	90.58	269.92	10,643.07	-404.99	-196.99	197.35	10.00	9.98	0.61
11,005.11	91.09	269.95	10,643.00	-405.00	-202.10	202.45	10.00	9.98	0.61

Tombstone 11 #126H: FTP / LP



www.prototypewellplanning.com
Planning Report

Database: EDM 5000.1 Single User Db
Company: XTO Energy
Project: Eddy County, NM (NAD-27)
Site: Tombstone 11 State
Well: #126H
Wellbore: Wellbore #1
Design: PERMIT

Local Co-ordinate Reference: Well #126H
TVD Reference: GL @ 3134.00usft
MD Reference: GL @ 3134.00usft
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)
11,100.00	91.09	269.95	10,641.20	-405.08	-296.97	297.33	0.00	0.00	0.00
11,200.00	91.09	269.95	10,639.30	-405.17	-396.96	397.31	0.00	0.00	0.00
11,300.00	91.09	269.95	10,637.40	-405.26	-496.94	497.29	0.00	0.00	0.00
11,400.00	91.09	269.95	10,635.50	-405.35	-596.92	597.27	0.00	0.00	0.00
11,500.00	91.09	269.95	10,633.60	-405.43	-696.90	697.26	0.00	0.00	0.00
11,600.00	91.09	269.95	10,631.70	-405.52	-796.88	797.24	0.00	0.00	0.00
11,700.00	91.09	269.95	10,629.80	-405.61	-896.87	897.22	0.00	0.00	0.00
11,800.00	91.09	269.95	10,627.89	-405.70	-996.85	997.20	0.00	0.00	0.00
11,900.00	91.09	269.95	10,625.99	-405.78	-1,096.83	1,097.18	0.00	0.00	0.00
12,000.00	91.09	269.95	10,624.09	-405.87	-1,196.81	1,197.17	0.00	0.00	0.00
12,100.00	91.09	269.95	10,622.19	-405.96	-1,296.79	1,297.15	0.00	0.00	0.00
12,200.00	91.09	269.95	10,620.29	-406.05	-1,396.78	1,397.13	0.00	0.00	0.00
12,300.00	91.09	269.95	10,618.39	-406.14	-1,496.76	1,497.11	0.00	0.00	0.00
12,400.00	91.09	269.95	10,616.49	-406.22	-1,596.74	1,597.09	0.00	0.00	0.00
12,500.00	91.09	269.95	10,614.59	-406.31	-1,696.72	1,697.07	0.00	0.00	0.00
12,600.00	91.09	269.95	10,612.69	-406.40	-1,796.70	1,797.06	0.00	0.00	0.00
12,700.00	91.09	269.95	10,610.79	-406.49	-1,896.68	1,897.04	0.00	0.00	0.00
12,800.00	91.09	269.95	10,608.89	-406.57	-1,996.67	1,997.02	0.00	0.00	0.00
12,900.00	91.09	269.95	10,606.99	-406.66	-2,096.65	2,097.00	0.00	0.00	0.00
13,000.00	91.09	269.95	10,605.09	-406.75	-2,196.63	2,196.98	0.00	0.00	0.00
13,100.00	91.09	269.95	10,603.19	-406.84	-2,296.61	2,296.97	0.00	0.00	0.00
13,200.00	91.09	269.95	10,601.29	-406.93	-2,396.59	2,396.95	0.00	0.00	0.00
13,300.00	91.09	269.95	10,599.39	-407.01	-2,496.58	2,496.93	0.00	0.00	0.00
13,400.00	91.09	269.95	10,597.49	-407.10	-2,596.56	2,596.91	0.00	0.00	0.00
13,500.00	91.09	269.95	10,595.59	-407.19	-2,696.54	2,696.89	0.00	0.00	0.00
13,600.00	91.09	269.95	10,593.69	-407.28	-2,796.52	2,796.88	0.00	0.00	0.00
13,700.00	91.09	269.95	10,591.79	-407.36	-2,896.50	2,896.86	0.00	0.00	0.00
13,800.00	91.09	269.95	10,589.89	-407.45	-2,996.49	2,996.84	0.00	0.00	0.00
13,900.00	91.09	269.95	10,587.99	-407.54	-3,096.47	3,096.82	0.00	0.00	0.00
14,000.00	91.09	269.95	10,586.09	-407.63	-3,196.45	3,196.80	0.00	0.00	0.00
14,100.00	91.09	269.95	10,584.19	-407.71	-3,296.43	3,296.79	0.00	0.00	0.00
14,200.00	91.09	269.95	10,582.29	-407.80	-3,396.41	3,396.77	0.00	0.00	0.00
14,300.00	91.09	269.95	10,580.39	-407.89	-3,496.40	3,496.75	0.00	0.00	0.00
14,400.00	91.09	269.95	10,578.49	-407.98	-3,596.38	3,596.73	0.00	0.00	0.00
14,500.00	91.09	269.95	10,576.59	-408.07	-3,696.36	3,696.71	0.00	0.00	0.00
14,600.00	91.09	269.95	10,574.69	-408.15	-3,796.34	3,796.70	0.00	0.00	0.00
14,700.00	91.09	269.95	10,572.79	-408.24	-3,896.32	3,896.68	0.00	0.00	0.00
14,800.00	91.09	269.95	10,570.89	-408.33	-3,996.30	3,996.66	0.00	0.00	0.00
14,900.00	91.09	269.95	10,568.98	-408.42	-4,096.29	4,096.64	0.00	0.00	0.00
15,000.00	91.09	269.95	10,567.08	-408.50	-4,196.27	4,196.62	0.00	0.00	0.00
15,100.00	91.09	269.95	10,565.18	-408.59	-4,296.25	4,296.61	0.00	0.00	0.00
15,200.00	91.09	269.95	10,563.28	-408.68	-4,396.23	4,396.59	0.00	0.00	0.00
15,300.00	91.09	269.95	10,561.38	-408.77	-4,496.21	4,496.57	0.00	0.00	0.00
15,400.00	91.09	269.95	10,559.48	-408.85	-4,596.20	4,596.55	0.00	0.00	0.00
15,500.00	91.09	269.95	10,557.58	-408.94	-4,696.18	4,696.53	0.00	0.00	0.00
15,600.00	91.09	269.95	10,555.68	-409.03	-4,796.16	4,796.52	0.00	0.00	0.00
15,663.75	91.09	269.95	10,554.47	-409.09	-4,859.90	4,860.26	0.00	0.00	0.00
Tombstone 11 #126H: LTP									
15,700.00	91.09	269.95	10,553.78	-409.12	-4,896.14	4,896.50	0.00	0.00	0.00
15,793.78	91.09	269.95	10,552.00	-409.20	-4,989.90	4,990.26	0.00	0.00	0.00
Tombstone 11 #126H: PBHL (1590' FSL & 200' FWL)									



Database: EDM 5000.1 Single User Db
Company: XTO Energy
Project: Eddy County, NM (NAD-27)
Site: Tombstone 11 State
Well: #126H
Wellbore: Wellbore #1
Design: PERMIT

Local Co-ordinate Reference: Well #126H
TVD Reference: GL @ 3134.00usft
MD Reference: GL @ 3134.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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
Tombstone 11 #126H - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	415,847.50	619,734.00	32.142690	-103.946489
Tombstone 11 #126H - plan hits target center - Point	0.00	0.00	10,552.00	-409.20	-4,989.90	415,438.30	614,744.10	32.141614	-103.962615
Tombstone 11 #126H - plan misses target center by 0.01usft at 15663.75usft MD (10554.47 TVD, -409.09 N, -4859.90 E) - Point	0.00	0.00	10,554.47	-409.10	-4,859.90	415,438.40	614,874.10	32.141613	-103.962195
Tombstone 11 #126H - plan hits target center - Point	0.00	0.00	10,643.00	-405.00	-202.10	415,442.50	619,531.90	32.141579	-103.947147

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
693.00	693.00	Rustler			
973.00	973.00	Salado (Top of Salt)			
3,079.00	3,079.00	Base of Salt			
3,285.00	3,285.00	Delaware (Bell Canyon)			
4,207.67	4,207.00	Cherry Canyon			
5,814.78	5,808.00	Brushy Canyon			
6,868.78	6,858.00	Basal Brushy Canyon			
7,083.60	7,072.00	Bone Spring Lime			
7,974.99	7,960.00	1st Bone Spring Lime			
8,040.24	8,025.00	1st Bone Spring Sand			
8,480.91	8,464.00	2nd Bone Spring Lime			
8,865.37	8,847.00	2nd Bone Spring Sand			
9,112.31	9,093.00	3rd Bone Spring Lime			
9,937.45	9,915.00	3rd Bone Spring Sand			
10,293.34	10,266.00	Wolfcamp			
10,458.72	10,411.00	Wolfcamp A			
10,983.29	10,643.00	LP			