



Planning Report

Database:	EDM 5000.1.13 Single User Db	Local Co-ordinate Reference:	Well #126H
Company:	XTO Energy	TVD Reference:	RKB = 22' @ 3083.00usft
Project:	Eddy County, NM (NAD-27)	MD Reference:	RKB = 22' @ 3083.00usft
Site:	Remuda South 25 State	North Reference:	Grid
Well:	#126H	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	Remuda South 25 State		
Site Position:		Northing:	464,609.70 usft
From:	Map	Easting:	620,263.40 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.2767294
		Longitude:	-103.9442083
		Grid Convergence:	0.21 °

Well	#126H		
Well Position	+N/-S	30.60 usft	Northing:
	+E/-W	2,706.80 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	32.2767862
		Longitude:	-103.9354500
		Ground Level:	3,061.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2015	05/31/19	6.92
			Dip Angle
			(°)
			60.03
			Field Strength
			(nT)
			47,733

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
			(°)
			179.75

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	
2,605.00	0.00	0.00	2,605.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,854.86	5.00	102.53	2,854.55	-2.36	10.63	2.00	2.00	0.00	102.53	
10,108.00	5.00	102.53	10,080.11	-139.46	627.38	0.00	0.00	0.00	0.00	
10,994.95	89.80	179.75	10,640.00	-710.10	677.50	10.00	9.56	8.71	77.28	R S 25 St #126H F
18,304.37	89.80	179.75	10,665.55	-8,019.40	710.02	0.00	0.00	0.00	0.00	R S 25 St #126H L1
18,434.37	89.80	179.75	10,666.00	-8,149.40	710.60	0.00	0.00	0.00	0.00	R S 25 St #126H P1



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Site:	Remuda South 25 State	North Reference:	Grid
Well:	#126H	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
224.00	0.00	0.00	224.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler Anh.									
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
308.00	0.00	0.00	308.00	0.00	0.00	0.00	0.00	0.00	0.00
Base Rustler Anh.									
368.00	0.00	0.00	368.00	0.00	0.00	0.00	0.00	0.00	0.00
Salado Sh. Lm.									
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
431.00	0.00	0.00	431.00	0.00	0.00	0.00	0.00	0.00	0.00
Est. Top of Salt									
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
2,605.00	0.00	0.00	2,605.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	1.90	102.53	2,699.98	-0.34	1.54	0.35	2.00	2.00	0.00
2,800.00	3.90	102.53	2,799.85	-1.44	6.48	1.47	2.00	2.00	0.00
2,854.86	5.00	102.53	2,854.55	-2.36	10.63	2.41	2.00	2.00	0.00
2,900.00	5.00	102.53	2,899.51	-3.22	14.47	3.28	0.00	0.00	0.00
3,000.00	5.00	102.53	2,999.13	-5.11	22.97	5.21	0.00	0.00	0.00
3,018.94	5.00	102.53	3,018.00	-5.46	24.58	5.57	0.00	0.00	0.00
Base Salt									
3,100.00	5.00	102.53	3,098.75	-7.00	31.47	7.13	0.00	0.00	0.00
3,200.00	5.00	102.53	3,198.37	-8.89	39.98	9.06	0.00	0.00	0.00
3,288.97	5.00	102.53	3,287.00	-10.57	47.54	10.78	0.00	0.00	0.00
Lamar Lm. (Del Mtn Grp.)									
3,300.00	5.00	102.53	3,297.99	-10.78	48.48	10.99	0.00	0.00	0.00
3,312.05	5.00	102.53	3,310.00	-11.00	49.51	11.22	0.00	0.00	0.00
Bell Canyon Ss.									
3,400.00	5.00	102.53	3,397.61	-12.67	56.98	12.92	0.00	0.00	0.00
3,500.00	5.00	102.53	3,497.23	-14.56	65.49	14.84	0.00	0.00	0.00
3,600.00	5.00	102.53	3,596.85	-16.45	73.99	16.77	0.00	0.00	0.00
3,700.00	5.00	102.53	3,696.47	-18.34	82.49	18.70	0.00	0.00	0.00



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Site:	Remuda South 25 State	North Reference:	Grid
Well:	#126H	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)
3,800.00	5.00	102.53	3,796.09	-20.23	91.00	20.62	0.00	0.00	0.00
3,900.00	5.00	102.53	3,895.71	-22.12	99.50	22.55	0.00	0.00	0.00
4,000.00	5.00	102.53	3,995.33	-24.01	108.00	24.48	0.00	0.00	0.00
4,100.00	5.00	102.53	4,094.95	-25.90	116.51	26.41	0.00	0.00	0.00
4,160.28	5.00	102.53	4,155.00	-27.04	121.63	27.57	0.00	0.00	0.00
Cherry Canyon Ss.									
4,200.00	5.00	102.53	4,194.57	-27.79	125.01	28.33	0.00	0.00	0.00
4,300.00	5.00	102.53	4,294.19	-29.68	133.51	30.26	0.00	0.00	0.00
4,400.00	5.00	102.53	4,393.81	-31.57	142.02	32.19	0.00	0.00	0.00
4,500.00	5.00	102.53	4,493.43	-33.46	150.52	34.12	0.00	0.00	0.00
4,600.00	5.00	102.53	4,593.05	-35.35	159.02	36.04	0.00	0.00	0.00
4,700.00	5.00	102.53	4,692.67	-37.24	167.53	37.97	0.00	0.00	0.00
4,800.00	5.00	102.53	4,792.29	-39.13	176.03	39.90	0.00	0.00	0.00
4,900.00	5.00	102.53	4,891.91	-41.02	184.53	41.82	0.00	0.00	0.00
5,000.00	5.00	102.53	4,991.53	-42.91	193.04	43.75	0.00	0.00	0.00
5,100.00	5.00	102.53	5,091.15	-44.80	201.54	45.68	0.00	0.00	0.00
5,200.00	5.00	102.53	5,190.77	-46.69	210.04	47.61	0.00	0.00	0.00
5,300.00	5.00	102.53	5,290.39	-48.58	218.55	49.53	0.00	0.00	0.00
5,400.00	5.00	102.53	5,390.01	-50.47	227.05	51.46	0.00	0.00	0.00
5,500.00	5.00	102.53	5,489.63	-52.36	235.55	53.39	0.00	0.00	0.00
5,600.00	5.00	102.53	5,589.25	-54.25	244.06	55.32	0.00	0.00	0.00
5,700.00	5.00	102.53	5,688.87	-56.14	252.56	57.24	0.00	0.00	0.00
5,786.46	5.00	102.53	5,775.00	-57.78	259.91	58.91	0.00	0.00	0.00
Brushy Canyon Ss.									
5,800.00	5.00	102.53	5,788.49	-58.03	261.06	59.17	0.00	0.00	0.00
5,900.00	5.00	102.53	5,888.11	-59.92	269.57	61.10	0.00	0.00	0.00
6,000.00	5.00	102.53	5,987.73	-61.81	278.07	63.02	0.00	0.00	0.00
6,100.00	5.00	102.53	6,087.35	-63.70	286.57	64.95	0.00	0.00	0.00
6,200.00	5.00	102.53	6,186.97	-65.59	295.08	66.88	0.00	0.00	0.00
6,300.00	5.00	102.53	6,286.59	-67.48	303.58	68.81	0.00	0.00	0.00
6,400.00	5.00	102.53	6,386.21	-69.37	312.08	70.73	0.00	0.00	0.00
6,500.00	5.00	102.53	6,485.83	-71.26	320.59	72.66	0.00	0.00	0.00
6,600.00	5.00	102.53	6,585.45	-73.15	329.09	74.59	0.00	0.00	0.00
6,700.00	5.00	102.53	6,685.07	-75.04	337.59	76.52	0.00	0.00	0.00
6,800.00	5.00	102.53	6,784.69	-76.93	346.10	78.44	0.00	0.00	0.00
6,815.37	5.00	102.53	6,800.00	-77.22	347.40	78.74	0.00	0.00	0.00
Lower Brushy Canyon Ss.									
6,900.00	5.00	102.53	6,884.31	-78.82	354.60	80.37	0.00	0.00	0.00
7,000.00	5.00	102.53	6,983.93	-80.71	363.10	82.30	0.00	0.00	0.00
7,075.36	5.00	102.53	7,059.00	-82.14	369.51	83.75	0.00	0.00	0.00
Bone Spring Lm.									
7,100.00	5.00	102.53	7,083.55	-82.60	371.61	84.22	0.00	0.00	0.00
7,175.74	5.00	102.53	7,159.00	-84.04	378.05	85.68	0.00	0.00	0.00
Avalon Ss.									
7,200.00	5.00	102.53	7,183.17	-84.49	380.11	86.15	0.00	0.00	0.00
7,246.01	5.00	102.53	7,229.00	-85.36	384.02	87.04	0.00	0.00	0.00
Bone Spg. Upper Avalon Lm.									
7,300.00	5.00	102.53	7,282.79	-86.38	388.61	88.08	0.00	0.00	0.00
7,334.34	5.00	102.53	7,317.00	-87.03	391.53	88.74	0.00	0.00	0.00
Bone Spg. Avalon Sh.									
7,400.00	5.00	102.53	7,382.41	-88.27	397.12	90.01	0.00	0.00	0.00
7,500.00	5.00	102.53	7,482.03	-90.17	405.62	91.93	0.00	0.00	0.00
7,544.14	5.00	102.53	7,526.00	-91.00	409.37	92.78	0.00	0.00	0.00



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Site:	Remuda South 25 State	North Reference:	Grid
Well:	#126H	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)
Bone Spg. Lower Avalon Lm									
7,600.00	5.00	102.53	7,581.65	-92.06	414.12	93.86	0.00	0.00	0.00
7,700.00	5.00	102.53	7,681.27	-93.95	422.63	95.79	0.00	0.00	0.00
7,800.00	5.00	102.53	7,780.89	-95.84	431.13	97.72	0.00	0.00	0.00
7,900.00	5.00	102.53	7,880.51	-97.73	439.63	99.64	0.00	0.00	0.00
8,000.00	5.00	102.53	7,980.13	-99.62	448.14	101.57	0.00	0.00	0.00
8,097.24	5.00	102.53	8,077.00	-101.45	456.40	103.44	0.00	0.00	0.00
First Bone Spring Ss.									
8,100.00	5.00	102.53	8,079.75	-101.51	456.64	103.50	0.00	0.00	0.00
8,200.00	5.00	102.53	8,179.37	-103.40	465.14	105.42	0.00	0.00	0.00
8,300.00	5.00	102.53	8,278.99	-105.29	473.65	107.35	0.00	0.00	0.00
8,400.00	5.00	102.53	8,378.61	-107.18	482.15	109.28	0.00	0.00	0.00
8,420.47	5.00	102.53	8,399.00	-107.56	483.89	109.67	0.00	0.00	0.00
Second Bone Spring Lm.									
8,500.00	5.00	102.53	8,478.23	-109.07	490.65	111.21	0.00	0.00	0.00
8,600.00	5.00	102.53	8,577.85	-110.96	499.16	113.13	0.00	0.00	0.00
8,700.00	5.00	102.53	8,677.47	-112.85	507.66	115.06	0.00	0.00	0.00
8,800.00	5.00	102.53	8,777.09	-114.74	516.16	116.99	0.00	0.00	0.00
8,900.00	5.00	102.53	8,876.71	-116.63	524.67	118.92	0.00	0.00	0.00
8,932.42	5.00	102.53	8,909.00	-117.24	527.42	119.54	0.00	0.00	0.00
Second Bone Spring Ss.									
9,000.00	5.00	102.53	8,976.32	-118.52	533.17	120.84	0.00	0.00	0.00
9,100.00	5.00	102.53	9,075.94	-120.41	541.67	122.77	0.00	0.00	0.00
9,200.00	5.00	102.53	9,175.56	-122.30	550.17	124.70	0.00	0.00	0.00
9,239.59	5.00	102.53	9,215.00	-123.05	553.54	125.46	0.00	0.00	0.00
Third Bone Spring Lm.									
9,300.00	5.00	102.53	9,275.18	-124.19	558.68	126.63	0.00	0.00	0.00
9,400.00	5.00	102.53	9,374.80	-126.08	567.18	128.55	0.00	0.00	0.00
9,500.00	5.00	102.53	9,474.42	-127.97	575.68	130.48	0.00	0.00	0.00
9,600.00	5.00	102.53	9,574.04	-129.86	584.19	132.41	0.00	0.00	0.00
9,700.00	5.00	102.53	9,673.66	-131.75	592.69	134.33	0.00	0.00	0.00
9,800.00	5.00	102.53	9,773.28	-133.64	601.19	136.26	0.00	0.00	0.00
9,900.00	5.00	102.53	9,872.90	-135.53	609.70	138.19	0.00	0.00	0.00
10,000.00	5.00	102.53	9,972.52	-137.42	618.20	140.12	0.00	0.00	0.00
10,021.56	5.00	102.53	9,994.00	-137.83	620.03	140.53	0.00	0.00	0.00
Third Bone Spring Ss.									
10,108.00	5.00	102.53	10,080.11	-139.46	627.38	142.20	0.00	0.00	0.00
10,150.00	7.20	137.29	10,121.89	-141.79	630.96	144.54	10.00	5.24	82.76
10,200.00	11.39	154.71	10,171.23	-148.56	635.19	151.33	10.00	8.38	34.84
10,250.00	16.04	162.51	10,219.79	-159.62	639.38	162.41	10.00	9.31	15.60
10,300.00	20.86	166.83	10,267.21	-174.89	643.49	177.69	10.00	9.63	8.63
10,339.91	24.75	169.10	10,304.00	-190.02	646.69	192.84	10.00	9.75	5.70
Wolfcamp Sh.									
10,350.00	25.74	169.57	10,313.12	-194.24	647.48	197.07	10.00	9.80	4.67
10,373.41	28.04	170.55	10,334.00	-204.67	649.31	207.50	10.00	9.82	4.16
Wolfcamp X Ss.									
10,400.00	30.66	171.49	10,357.18	-217.54	651.34	220.38	10.00	9.85	3.54
10,450.00	35.60	172.92	10,399.04	-244.61	655.02	247.46	10.00	9.88	2.86
10,456.13	36.20	173.07	10,404.00	-248.17	655.46	251.03	10.00	9.89	2.47
Wolfcamp Y Ss.									
10,500.00	40.55	174.04	10,438.39	-275.23	658.50	278.10	10.00	9.91	2.21
10,550.00	45.51	174.96	10,474.93	-309.18	661.76	312.07	10.00	9.92	1.83
10,579.42	48.43	175.42	10,495.00	-330.61	663.56	333.50	10.00	9.93	1.59



Planning Report

Database:	EDM 5000.1.13 Single User Db	Local Co-ordinate Reference:	Well #126H
Company:	XTO Energy	TVD Reference:	RKB = 22' @ 3083.00usft
Project:	Eddy County, NM (NAD-27)	MD Reference:	RKB = 22' @ 3083.00usft
Site:	Remuda South 25 State	North Reference:	Grid
Well:	#126H	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)
Wolfcamp A Sh.									
10,600.00	50.48	175.73	10,508.38	-346.20	664.76	349.10	10.00	9.94	1.47
10,650.00	55.45	176.40	10,538.49	-386.00	667.50	388.91	10.00	9.94	1.34
10,695.92	60.02	176.94	10,563.00	-424.76	669.75	427.68	10.00	9.95	1.19
Wolfcamp A Sh. Lower									
10,700.00	60.42	176.99	10,565.03	-428.29	669.94	431.21	10.00	9.95	1.13
10,750.00	65.40	177.52	10,587.79	-472.74	672.06	475.67	10.00	9.95	1.07
10,800.00	70.38	178.02	10,606.60	-519.02	673.86	521.95	10.00	9.96	0.99
10,850.00	75.36	178.49	10,621.33	-566.76	675.31	569.70	10.00	9.96	0.93
10,900.00	80.34	178.93	10,631.85	-615.61	676.41	618.56	10.00	9.96	0.89
10,950.00	85.32	179.36	10,638.09	-665.20	677.15	668.15	10.00	9.96	0.86
10,994.95	89.80	179.75	10,640.00	-710.10	677.50	713.05	10.00	9.96	0.85
LP									
11,000.00	89.80	179.75	10,640.02	-715.15	677.52	718.09	0.00	0.00	0.00
11,100.00	89.80	179.75	10,640.37	-815.14	677.97	818.09	0.00	0.00	0.00
11,200.00	89.80	179.75	10,640.72	-915.14	678.41	918.09	0.00	0.00	0.00
11,300.00	89.80	179.75	10,641.07	-1,015.14	678.86	1,018.09	0.00	0.00	0.00
11,400.00	89.80	179.75	10,641.42	-1,115.14	679.30	1,118.09	0.00	0.00	0.00
11,500.00	89.80	179.75	10,641.77	-1,215.14	679.75	1,218.09	0.00	0.00	0.00
11,600.00	89.80	179.75	10,642.11	-1,315.14	680.19	1,318.09	0.00	0.00	0.00
11,700.00	89.80	179.75	10,642.46	-1,415.13	680.64	1,418.09	0.00	0.00	0.00
11,800.00	89.80	179.75	10,642.81	-1,515.13	681.08	1,518.09	0.00	0.00	0.00
11,900.00	89.80	179.75	10,643.16	-1,615.13	681.53	1,618.09	0.00	0.00	0.00
12,000.00	89.80	179.75	10,643.51	-1,715.13	681.97	1,718.09	0.00	0.00	0.00
12,100.00	89.80	179.75	10,643.86	-1,815.13	682.42	1,818.09	0.00	0.00	0.00
12,200.00	89.80	179.75	10,644.21	-1,915.13	682.86	1,918.09	0.00	0.00	0.00
12,300.00	89.80	179.75	10,644.56	-2,015.12	683.31	2,018.09	0.00	0.00	0.00
12,400.00	89.80	179.75	10,644.91	-2,115.12	683.75	2,118.09	0.00	0.00	0.00
12,500.00	89.80	179.75	10,645.26	-2,215.12	684.20	2,218.09	0.00	0.00	0.00
12,600.00	89.80	179.75	10,645.61	-2,315.12	684.64	2,318.09	0.00	0.00	0.00
12,700.00	89.80	179.75	10,645.96	-2,415.12	685.09	2,418.08	0.00	0.00	0.00
12,800.00	89.80	179.75	10,646.31	-2,515.12	685.53	2,518.08	0.00	0.00	0.00
12,900.00	89.80	179.75	10,646.66	-2,615.12	685.98	2,618.08	0.00	0.00	0.00
13,000.00	89.80	179.75	10,647.01	-2,715.11	686.42	2,718.08	0.00	0.00	0.00
13,100.00	89.80	179.75	10,647.36	-2,815.11	686.87	2,818.08	0.00	0.00	0.00
13,200.00	89.80	179.75	10,647.71	-2,915.11	687.31	2,918.08	0.00	0.00	0.00
13,300.00	89.80	179.75	10,648.06	-3,015.11	687.76	3,018.08	0.00	0.00	0.00
13,400.00	89.80	179.75	10,648.41	-3,115.11	688.20	3,118.08	0.00	0.00	0.00
13,500.00	89.80	179.75	10,648.76	-3,215.11	688.65	3,218.08	0.00	0.00	0.00
13,600.00	89.80	179.75	10,649.10	-3,315.10	689.09	3,318.08	0.00	0.00	0.00
13,700.00	89.80	179.75	10,649.45	-3,415.10	689.54	3,418.08	0.00	0.00	0.00
13,800.00	89.80	179.75	10,649.80	-3,515.10	689.98	3,518.08	0.00	0.00	0.00
13,900.00	89.80	179.75	10,650.15	-3,615.10	690.43	3,618.08	0.00	0.00	0.00
14,000.00	89.80	179.75	10,650.50	-3,715.10	690.87	3,718.08	0.00	0.00	0.00
14,100.00	89.80	179.75	10,650.85	-3,815.10	691.32	3,818.08	0.00	0.00	0.00
14,200.00	89.80	179.75	10,651.20	-3,915.09	691.76	3,918.08	0.00	0.00	0.00
14,300.00	89.80	179.75	10,651.55	-4,015.09	692.21	4,018.07	0.00	0.00	0.00
14,400.00	89.80	179.75	10,651.90	-4,115.09	692.65	4,118.07	0.00	0.00	0.00
14,500.00	89.80	179.75	10,652.25	-4,215.09	693.09	4,218.07	0.00	0.00	0.00
14,600.00	89.80	179.75	10,652.60	-4,315.09	693.54	4,318.07	0.00	0.00	0.00
14,700.00	89.80	179.75	10,652.95	-4,415.09	693.98	4,418.07	0.00	0.00	0.00
14,800.00	89.80	179.75	10,653.30	-4,515.08	694.43	4,518.07	0.00	0.00	0.00
14,900.00	89.80	179.75	10,653.65	-4,615.08	694.87	4,618.07	0.00	0.00	0.00



Planning Report

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Company:	XTO Energy	TVD Reference:	RKB = 22' @ 3083.00usft
Project:	Eddy County, NM (NAD-27)	MD Reference:	RKB = 22' @ 3083.00usft
Site:	Remuda South 25 State	North Reference:	Grid
Well:	#126H	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)
15,000.00	89.80	179.75	10,654.00	-4,715.08	695.32	4,718.07	0.00	0.00	0.00
15,100.00	89.80	179.75	10,654.35	-4,815.08	695.76	4,818.07	0.00	0.00	0.00
15,200.00	89.80	179.75	10,654.70	-4,915.08	696.21	4,918.07	0.00	0.00	0.00
15,300.00	89.80	179.75	10,655.05	-5,015.08	696.65	5,018.07	0.00	0.00	0.00
15,400.00	89.80	179.75	10,655.40	-5,115.08	697.10	5,118.07	0.00	0.00	0.00
15,500.00	89.80	179.75	10,655.74	-5,215.07	697.54	5,218.07	0.00	0.00	0.00
15,600.00	89.80	179.75	10,656.09	-5,315.07	697.99	5,318.07	0.00	0.00	0.00
15,700.00	89.80	179.75	10,656.44	-5,415.07	698.43	5,418.07	0.00	0.00	0.00
15,800.00	89.80	179.75	10,656.79	-5,515.07	698.88	5,518.07	0.00	0.00	0.00
15,900.00	89.80	179.75	10,657.14	-5,615.07	699.32	5,618.07	0.00	0.00	0.00
16,000.00	89.80	179.75	10,657.49	-5,715.07	699.77	5,718.06	0.00	0.00	0.00
16,100.00	89.80	179.75	10,657.84	-5,815.06	700.21	5,818.06	0.00	0.00	0.00
16,200.00	89.80	179.75	10,658.19	-5,915.06	700.66	5,918.06	0.00	0.00	0.00
16,300.00	89.80	179.75	10,658.54	-6,015.06	701.10	6,018.06	0.00	0.00	0.00
16,400.00	89.80	179.75	10,658.89	-6,115.06	701.55	6,118.06	0.00	0.00	0.00
16,500.00	89.80	179.75	10,659.24	-6,215.06	701.99	6,218.06	0.00	0.00	0.00
16,600.00	89.80	179.75	10,659.59	-6,315.06	702.44	6,318.06	0.00	0.00	0.00
16,700.00	89.80	179.75	10,659.94	-6,415.05	702.88	6,418.06	0.00	0.00	0.00
16,800.00	89.80	179.75	10,660.29	-6,515.05	703.33	6,518.06	0.00	0.00	0.00
16,900.00	89.80	179.75	10,660.64	-6,615.05	703.77	6,618.06	0.00	0.00	0.00
17,000.00	89.80	179.75	10,660.99	-6,715.05	704.22	6,718.06	0.00	0.00	0.00
17,100.00	89.80	179.75	10,661.34	-6,815.05	704.66	6,818.06	0.00	0.00	0.00
17,200.00	89.80	179.75	10,661.69	-6,915.05	705.11	6,918.06	0.00	0.00	0.00
17,300.00	89.80	179.75	10,662.04	-7,015.04	705.55	7,018.06	0.00	0.00	0.00
17,400.00	89.80	179.75	10,662.39	-7,115.04	706.00	7,118.06	0.00	0.00	0.00
17,500.00	89.80	179.75	10,662.73	-7,215.04	706.44	7,218.06	0.00	0.00	0.00
17,600.00	89.80	179.75	10,663.08	-7,315.04	706.89	7,318.05	0.00	0.00	0.00
17,700.00	89.80	179.75	10,663.43	-7,415.04	707.33	7,418.05	0.00	0.00	0.00
17,800.00	89.80	179.75	10,663.78	-7,515.04	707.78	7,518.05	0.00	0.00	0.00
17,900.00	89.80	179.75	10,664.13	-7,615.04	708.22	7,618.05	0.00	0.00	0.00
18,000.00	89.80	179.75	10,664.48	-7,715.03	708.67	7,718.05	0.00	0.00	0.00
18,100.00	89.80	179.75	10,664.83	-7,815.03	709.11	7,818.05	0.00	0.00	0.00
18,200.00	89.80	179.75	10,665.18	-7,915.03	709.56	7,918.05	0.00	0.00	0.00
18,304.37	89.80	179.75	10,665.55	-8,019.40	710.02	8,022.42	0.00	0.00	0.00
18,400.00	89.80	179.75	10,665.88	-8,115.03	710.45	8,118.05	0.00	0.00	0.00
18,434.37	89.80	179.75	10,666.00	-8,149.40	710.60	8,152.42	0.00	0.00	0.00



Planning Report

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Project:	Eddy County, NM (NAD-27)	MD Reference:	RKB = 22' @ 3083.00usft
Site:	Remuda South 25 State	North Reference:	Grid
Well:	#126H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PERMIT		

Design Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
R S 25 St #126H SHL	0.00	0.00	0.00	0.00	0.00	464,640.30	622,970.20	32.2767862	-103.9354500
- plan hits target center									
- Point									
R S 25 St #126H FTP	0.00	0.00	10,640.00	-710.10	677.50	463,930.20	623,647.70	32.2748273	-103.9332665
- plan hits target center									
- Point									
R S 25 St #126H PBT	0.00	0.00	10,666.00	-8,149.40	710.60	456,490.90	623,680.80	32.2543770	-103.9332491
- plan hits target center									
- Point									
R S 25 St #126H LTP	0.00	0.00	10,666.00	-8,019.40	710.00	456,620.90	623,680.20	32.2547343	-103.9332495
- plan misses target center by 0.45usft at 18304.37usft MD (10665.55 TVD, -8019.40 N, 710.02 E)									
- Point									

Formations

Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(usft)	(usft)			(°)	(°)
224.00	224.00	Rustler Anh.			
308.00	308.00	Base Rustler Anh.			
368.00	368.00	Salado Sh. Lm.			
431.00	431.00	Est. Top of Salt			
3,018.94	3,018.00	Base Salt			
3,288.97	3,287.00	Lamar Lm. (Del Mtn Grp.)			
3,312.05	3,310.00	Bell Canyon Ss.			
4,160.28	4,155.00	Cherry Canyon Ss.			
5,786.46	5,775.00	Brushy Canyon Ss.			
6,815.37	6,800.00	Lower Brushy Canyon Ss.			
7,075.36	7,059.00	Bone Spring Lm.			
7,175.74	7,159.00	Avalon Ss.			
7,246.01	7,229.00	Bone Spg. Upper Avalon Lm.			
7,334.34	7,317.00	Bone Spg. Avalon Sh.			
7,544.14	7,526.00	Bone Spg. Lower Avalon Lm			
8,097.24	8,077.00	First Bone Spring Ss.			
8,420.47	8,399.00	Second Bone Spring Lm.			
8,932.42	8,909.00	Second Bone Spring Ss.			
9,239.59	9,215.00	Third Bone Spring Lm.			
10,021.56	9,994.00	Third Bone Spring Ss.			
10,339.91	10,304.00	Wolfcamp Sh.			
10,373.41	10,334.00	Wolfcamp X Ss.			
10,456.13	10,404.00	Wolfcamp Y Ss.			
10,579.42	10,495.00	Wolfcamp A Sh.			
10,695.92	10,563.00	Wolfcamp A Sh. Lower			
10,994.95	10,640.00	LP			