

WCDSC Permian NM

Lea County (NAD83 New Mexico East)

Sec 08-T25S-R33E

Flagler 8 Fed 26H

Wellbore #1

Plan: Permit Plan 1

Standard Planning Report - Geographic

05 March, 2018

Planning Report - Geographic

Database:	EDM r5000.141_Prod US	Local Co-ordinate Reference:	Well Flagler 8 Fed 26H
Company:	WCDSC Permian NM	TVD Reference:	RKB @ 3470.70ft
Project:	Lea County (NAD83 New Mexico East)	MD Reference:	RKB @ 3470.70ft
Site:	Sec 08-T25S-R33E	North Reference:	Grid
Well:	Flagler 8 Fed 26H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permit Plan 1		

Project	Lea County (NAD83 New Mexico East)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Sec 08-T25S-R33E			
Site Position:		Northing:	419,281.82 usft	Latitude:	32.150539
From:	Map	Easting:	769,381.69 usft	Longitude:	-103.596481
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.39 °

Well	Flagler 8 Fed 26H					
Well Position	+N/-S	0.00 ft	Northing:	415,052.05 usft	Latitude:	32.138899
	+E/-W	0.00 ft	Easting:	770,102.58 usft	Longitude:	-103.594246
Position Uncertainty		0.50 ft	Wellhead Elevation:		Ground Level:	3,445.70 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/27/2018	6.88	59.97	47,813.22306629

Design	Permit Plan 1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	2.11

Plan Survey Tool Program	Date	3/5/2018		
Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	14,309.56 Permit Plan 1 (Wellbore #1)	MWD+IGRF	
			OWSG MWD + IGRF or WMM	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	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	
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,820.72	2.76	132.37	2,820.64	-3.58	3.93	1.25	1.25	0.00	132.37	
8,122.37	2.76	132.37	8,116.14	-175.55	192.48	0.00	0.00	0.00	0.00	
8,306.30	0.00	0.00	8,300.00	-178.53	195.75	1.50	-1.50	0.00	180.00	Vertical Point - Flagler
9,233.34	0.00	0.00	9,227.04	-178.53	195.75	0.00	0.00	0.00	0.00	
10,133.34	90.00	359.67	9,800.00	394.42	192.42	10.00	10.00	0.00	359.67	PBHL - Flagler 8 Fed
14,309.56	90.00	359.67	9,800.00	4,570.57	168.16	0.00	0.00	0.00	0.00	PBHL - Flagler 8 Fed

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Well:	Flagler 8 Fed 26H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permit Plan 1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
100.00	0.00	0.00	100.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
200.00	0.00	0.00	200.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
300.00	0.00	0.00	300.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
400.00	0.00	0.00	400.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
500.00	0.00	0.00	500.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
600.00	0.00	0.00	600.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
700.00	0.00	0.00	700.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
800.00	0.00	0.00	800.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
900.00	0.00	0.00	900.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
1,000.00	0.00	0.00	1,000.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
1,100.00	0.00	0.00	1,100.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
1,200.00	0.00	0.00	1,200.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
1,300.00	0.00	0.00	1,300.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
1,400.00	0.00	0.00	1,400.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
1,500.00	0.00	0.00	1,500.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
1,600.00	0.00	0.00	1,600.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
1,700.00	0.00	0.00	1,700.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
1,800.00	0.00	0.00	1,800.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
1,900.00	0.00	0.00	1,900.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
2,000.00	0.00	0.00	2,000.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
2,100.00	0.00	0.00	2,100.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
2,200.00	0.00	0.00	2,200.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
2,300.00	0.00	0.00	2,300.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
2,400.00	0.00	0.00	2,400.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
2,500.00	0.00	0.00	2,500.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
2,600.00	0.00	0.00	2,600.00	0.00	0.00	415,052.05	770,102.58	32.138899	-103.594246
Begin Nudge									
2,700.00	1.25	132.37	2,699.99	-0.74	0.81	415,051.31	770,103.38	32.138897	-103.594243
2,800.00	2.50	132.37	2,799.94	-2.94	3.22	415,049.11	770,105.80	32.138891	-103.594236
2,820.72	2.76	132.37	2,820.63	-3.58	3.93	415,048.47	770,106.50	32.138889	-103.594233
EOB									
2,900.00	2.76	132.37	2,899.82	-6.15	6.75	415,045.90	770,109.32	32.138882	-103.594224
3,000.00	2.76	132.37	2,999.71	-9.40	10.30	415,042.65	770,112.88	32.138873	-103.594213
3,100.00	2.76	132.37	3,099.59	-12.64	13.86	415,039.41	770,116.44	32.138864	-103.594201
3,200.00	2.76	132.37	3,199.48	-15.88	17.41	415,036.17	770,119.99	32.138855	-103.594190
3,300.00	2.76	132.37	3,299.36	-19.13	20.97	415,032.92	770,123.55	32.138846	-103.594179
3,400.00	2.76	132.37	3,399.24	-22.37	24.53	415,029.68	770,127.10	32.138837	-103.594167
3,500.00	2.76	132.37	3,499.13	-25.61	28.08	415,026.44	770,130.66	32.138828	-103.594156
3,600.00	2.76	132.37	3,599.01	-28.86	31.64	415,023.19	770,134.22	32.138819	-103.594144
3,700.00	2.76	132.37	3,698.90	-32.10	35.20	415,019.95	770,137.77	32.138810	-103.594133
3,800.00	2.76	132.37	3,798.78	-35.34	38.75	415,016.70	770,141.33	32.138801	-103.594121
3,900.00	2.76	132.37	3,898.66	-38.59	42.31	415,013.46	770,144.89	32.138792	-103.594110
4,000.00	2.76	132.37	3,998.55	-41.83	45.87	415,010.22	770,148.44	32.138783	-103.594099
4,100.00	2.76	132.37	4,098.43	-45.08	49.42	415,006.97	770,152.00	32.138774	-103.594087
4,200.00	2.76	132.37	4,198.32	-48.32	52.98	415,003.73	770,155.56	32.138765	-103.594076
4,300.00	2.76	132.37	4,298.20	-51.56	56.54	415,000.49	770,159.11	32.138756	-103.594064
4,400.00	2.76	132.37	4,398.08	-54.81	60.09	414,997.24	770,162.67	32.138747	-103.594053
4,500.00	2.76	132.37	4,497.97	-58.05	63.65	414,994.00	770,166.23	32.138738	-103.594042
4,600.00	2.76	132.37	4,597.85	-61.29	67.21	414,990.76	770,169.78	32.138729	-103.594030
4,700.00	2.76	132.37	4,697.74	-64.54	70.76	414,987.51	770,173.34	32.138720	-103.594019
4,800.00	2.76	132.37	4,797.62	-67.78	74.32	414,984.27	770,176.90	32.138711	-103.594007
4,900.00	2.76	132.37	4,897.50	-71.02	77.88	414,981.02	770,180.45	32.138702	-103.593996
5,000.00	2.76	132.37	4,997.39	-74.27	81.43	414,977.78	770,184.01	32.138693	-103.593984

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Wellbore:	Wellbore #1		
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Planned Survey									
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5,100.00	2.76	132.37	5,097.27	-77.51	84.99	414,974.54	770,187.57	32.138684	-103.593973
5,200.00	2.76	132.37	5,197.16	-80.76	88.54	414,971.29	770,191.12	32.138675	-103.593962
5,300.00	2.76	132.37	5,297.04	-84.00	92.10	414,968.05	770,194.68	32.138666	-103.593950
5,400.00	2.76	132.37	5,396.93	-87.24	95.66	414,964.81	770,198.23	32.138657	-103.593939
5,500.00	2.76	132.37	5,496.81	-90.49	99.21	414,961.56	770,201.79	32.138648	-103.593927
5,600.00	2.76	132.37	5,596.69	-93.73	102.77	414,958.32	770,205.35	32.138640	-103.593916
5,700.00	2.76	132.37	5,696.58	-96.97	106.33	414,955.08	770,208.90	32.138631	-103.593905
5,800.00	2.76	132.37	5,796.46	-100.22	109.88	414,951.83	770,212.46	32.138622	-103.593893
5,900.00	2.76	132.37	5,896.35	-103.46	113.44	414,948.59	770,216.02	32.138613	-103.593882
6,000.00	2.76	132.37	5,996.23	-106.70	117.00	414,945.34	770,219.57	32.138604	-103.593870
6,100.00	2.76	132.37	6,096.11	-109.95	120.55	414,942.10	770,223.13	32.138595	-103.593859
6,200.00	2.76	132.37	6,196.00	-113.19	124.11	414,938.86	770,226.69	32.138586	-103.593847
6,300.00	2.76	132.37	6,295.88	-116.44	127.67	414,935.61	770,230.24	32.138577	-103.593836
6,400.00	2.76	132.37	6,395.77	-119.68	131.22	414,932.37	770,233.80	32.138568	-103.593825
6,500.00	2.76	132.37	6,495.65	-122.92	134.78	414,929.13	770,237.36	32.138559	-103.593813
6,600.00	2.76	132.37	6,595.53	-126.17	138.34	414,925.88	770,240.91	32.138550	-103.593802
6,700.00	2.76	132.37	6,695.42	-129.41	141.89	414,922.64	770,244.47	32.138541	-103.593790
6,800.00	2.76	132.37	6,795.30	-132.65	145.45	414,919.40	770,248.03	32.138532	-103.593779
6,900.00	2.76	132.37	6,895.19	-135.90	149.01	414,916.15	770,251.58	32.138523	-103.593768
7,000.00	2.76	132.37	6,995.07	-139.14	152.56	414,912.91	770,255.14	32.138514	-103.593756
7,100.00	2.76	132.37	7,094.95	-142.38	156.12	414,909.66	770,258.70	32.138505	-103.593745
7,200.00	2.76	132.37	7,194.84	-145.63	159.67	414,906.42	770,262.25	32.138496	-103.593733
7,300.00	2.76	132.37	7,294.72	-148.87	163.23	414,903.18	770,265.81	32.138487	-103.593722
7,400.00	2.76	132.37	7,394.61	-152.12	166.79	414,899.93	770,269.36	32.138478	-103.593710
7,500.00	2.76	132.37	7,494.49	-155.36	170.34	414,896.69	770,272.92	32.138469	-103.593699
7,600.00	2.76	132.37	7,594.37	-158.60	173.90	414,893.45	770,276.48	32.138460	-103.593688
7,700.00	2.76	132.37	7,694.26	-161.85	177.46	414,890.20	770,280.03	32.138451	-103.593676
7,800.00	2.76	132.37	7,794.14	-165.09	181.01	414,886.96	770,283.59	32.138442	-103.593665
7,900.00	2.76	132.37	7,894.03	-168.33	184.57	414,883.72	770,287.15	32.138433	-103.593653
8,000.00	2.76	132.37	7,993.91	-171.58	188.13	414,880.47	770,290.70	32.138424	-103.593642
8,100.00	2.76	132.37	8,093.80	-174.82	191.68	414,877.23	770,294.26	32.138415	-103.593631
8,122.37	2.76	132.37	8,116.14	-175.55	192.48	414,876.50	770,295.06	32.138413	-103.593628
EOH									
8,200.00	1.59	132.37	8,193.71	-177.53	194.66	414,874.52	770,297.23	32.138407	-103.593621
8,300.00	0.09	132.37	8,293.70	-178.53	195.75	414,873.52	770,298.32	32.138405	-103.593617
8,306.30	0.00	0.00	8,300.00	-178.53	195.75	414,873.52	770,298.33	32.138405	-103.593617
Drop to Vertical									
8,400.00	0.00	0.00	8,393.70	-178.53	195.75	414,873.52	770,298.33	32.138405	-103.593617
8,500.00	0.00	0.00	8,493.70	-178.53	195.75	414,873.52	770,298.33	32.138405	-103.593617
8,600.00	0.00	0.00	8,593.70	-178.53	195.75	414,873.52	770,298.33	32.138405	-103.593617
8,700.00	0.00	0.00	8,693.70	-178.53	195.75	414,873.52	770,298.33	32.138405	-103.593617
8,800.00	0.00	0.00	8,793.70	-178.53	195.75	414,873.52	770,298.33	32.138405	-103.593617
8,900.00	0.00	0.00	8,893.70	-178.53	195.75	414,873.52	770,298.33	32.138405	-103.593617
9,000.00	0.00	0.00	8,993.70	-178.53	195.75	414,873.52	770,298.33	32.138405	-103.593617
9,100.00	0.00	0.00	9,093.70	-178.53	195.75	414,873.52	770,298.33	32.138405	-103.593617
9,200.00	0.00	0.00	9,193.70	-178.53	195.75	414,873.52	770,298.33	32.138405	-103.593617
9,233.34	0.00	0.00	9,227.04	-178.53	195.75	414,873.52	770,298.33	32.138405	-103.593617
KOP @ 9233' MD, 201' FNL, 2435' FEL									
9,300.00	6.67	359.67	9,293.55	-174.66	195.73	414,877.39	770,298.30	32.138415	-103.593617
9,400.00	16.67	359.67	9,391.36	-154.46	195.61	414,897.59	770,298.19	32.138471	-103.593617
9,500.00	26.67	359.67	9,484.18	-117.59	195.40	414,934.46	770,297.97	32.138572	-103.593617
9,600.00	36.67	359.67	9,569.18	-65.16	195.09	414,986.89	770,297.67	32.138716	-103.593617
9,624.92	39.16	359.67	9,588.84	-49.85	195.00	415,002.20	770,297.58	32.138758	-103.593617
1st Take Point @ 9625' MD, 330' FSL, 2435' FEL									

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Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,700.00	46.67	359.67	9,643.79	1.23	194.71	415,053.28	770,297.28	32.138899	-103.593617
9,800.00	56.67	359.67	9,705.74	79.57	194.25	415,131.62	770,296.83	32.139114	-103.593617
9,900.00	66.67	359.67	9,753.14	167.48	193.74	415,219.53	770,296.32	32.139356	-103.593616
10,000.00	76.67	359.67	9,784.55	262.28	193.19	415,314.33	770,295.77	32.139616	-103.593616
10,100.00	86.67	359.67	9,799.03	361.09	192.62	415,413.14	770,295.19	32.139888	-103.593616
10,133.34	90.00	359.67	9,800.00	394.42	192.42	415,446.46	770,295.00	32.139980	-103.593616
Land Point									
10,200.00	90.00	359.67	9,800.00	461.07	192.03	415,513.12	770,294.61	32.140163	-103.593615
10,300.00	90.00	359.67	9,800.00	561.07	191.45	415,613.12	770,294.03	32.140438	-103.593615
10,400.00	90.00	359.67	9,800.00	661.07	190.87	415,713.12	770,293.45	32.140713	-103.593615
10,500.00	90.00	359.67	9,800.00	761.07	190.29	415,813.12	770,292.87	32.140987	-103.593614
10,600.00	90.00	359.67	9,800.00	861.07	189.71	415,913.11	770,292.29	32.141262	-103.593614
10,700.00	90.00	359.67	9,800.00	961.07	189.13	416,013.11	770,291.71	32.141537	-103.593614
10,800.00	90.00	359.67	9,800.00	1,061.06	188.55	416,113.11	770,291.13	32.141812	-103.593613
10,900.00	90.00	359.67	9,800.00	1,161.06	187.97	416,213.11	770,290.54	32.142087	-103.593613
11,000.00	90.00	359.67	9,800.00	1,261.06	187.39	416,313.11	770,289.96	32.142362	-103.593613
11,100.00	90.00	359.67	9,800.00	1,361.06	186.81	416,413.11	770,289.38	32.142637	-103.593612
11,200.00	90.00	359.67	9,800.00	1,461.06	186.23	416,513.10	770,288.80	32.142912	-103.593612
11,300.00	90.00	359.67	9,800.00	1,561.06	185.64	416,613.10	770,288.22	32.143186	-103.593612
11,400.00	90.00	359.67	9,800.00	1,661.05	185.06	416,713.10	770,287.64	32.143461	-103.593611
11,500.00	90.00	359.67	9,800.00	1,761.05	184.48	416,813.10	770,287.06	32.143736	-103.593611
11,600.00	90.00	359.67	9,800.00	1,861.05	183.90	416,913.10	770,286.48	32.144011	-103.593611
11,700.00	90.00	359.67	9,800.00	1,961.05	183.32	417,013.09	770,285.90	32.144286	-103.593610
11,800.00	90.00	359.67	9,800.00	2,061.05	182.74	417,113.09	770,285.32	32.144561	-103.593610
11,900.00	90.00	359.67	9,800.00	2,161.05	182.16	417,213.09	770,284.74	32.144836	-103.593609
12,000.00	90.00	359.67	9,800.00	2,261.04	181.58	417,313.09	770,284.15	32.145111	-103.593609
12,100.00	90.00	359.67	9,800.00	2,361.04	181.00	417,413.09	770,283.57	32.145385	-103.593609
12,200.00	90.00	359.67	9,800.00	2,461.04	180.42	417,513.08	770,282.99	32.145660	-103.593608
12,300.00	90.00	359.67	9,800.00	2,561.04	179.83	417,613.08	770,282.41	32.145935	-103.593608
12,400.00	90.00	359.67	9,800.00	2,661.04	179.25	417,713.08	770,281.83	32.146210	-103.593608
12,500.00	90.00	359.67	9,800.00	2,761.04	178.67	417,813.08	770,281.25	32.146485	-103.593607
12,600.00	90.00	359.67	9,800.00	2,861.03	178.09	417,913.08	770,280.67	32.146760	-103.593607
12,700.00	90.00	359.67	9,800.00	2,961.03	177.51	418,013.08	770,280.09	32.147035	-103.593607
12,800.00	90.00	359.67	9,800.00	3,061.03	176.93	418,113.07	770,279.51	32.147310	-103.593606
12,900.00	90.00	359.67	9,800.00	3,161.03	176.35	418,213.07	770,278.93	32.147584	-103.593606
13,000.00	90.00	359.67	9,800.00	3,261.03	175.77	418,313.07	770,278.35	32.147859	-103.593606
13,100.00	90.00	359.67	9,800.00	3,361.03	175.19	418,413.07	770,277.76	32.148134	-103.593605
13,200.00	90.00	359.67	9,800.00	3,461.02	174.61	418,513.07	770,277.18	32.148409	-103.593605
13,300.00	90.00	359.67	9,800.00	3,561.02	174.03	418,613.06	770,276.60	32.148684	-103.593605
13,400.00	90.00	359.67	9,800.00	3,661.02	173.44	418,713.06	770,276.02	32.148959	-103.593604
13,500.00	90.00	359.67	9,800.00	3,761.02	172.86	418,813.06	770,275.44	32.149234	-103.593604
13,600.00	90.00	359.67	9,800.00	3,861.02	172.28	418,913.06	770,274.86	32.149509	-103.593604
13,700.00	90.00	359.67	9,800.00	3,961.02	171.70	419,013.06	770,274.28	32.149784	-103.593603
13,800.00	90.00	359.67	9,800.00	4,061.01	171.12	419,113.05	770,273.70	32.150058	-103.593603
13,900.00	90.00	359.67	9,800.00	4,161.01	170.54	419,213.05	770,273.12	32.150333	-103.593603
14,000.00	90.00	359.67	9,800.00	4,261.01	169.96	419,313.05	770,272.54	32.150608	-103.593602
14,100.00	90.00	359.67	9,800.00	4,361.01	169.38	419,413.05	770,271.95	32.150883	-103.593602
14,200.00	90.00	359.67	9,800.00	4,461.01	168.80	419,513.05	770,271.37	32.151158	-103.593602
14,300.00	90.00	359.67	9,800.00	4,561.01	168.22	419,613.05	770,270.79	32.151433	-103.593601
14,309.56	90.00	359.67	9,800.00	4,570.57	168.16	419,622.61	770,270.74	32.151459	-103.593601
PBHL; 330' FSL, 2435' FEL									

Planning Report - Geographic

Database:	EDM r5000.141_Prod US	Local Co-ordinate Reference:	Well Flagler 8 Fed 26H
Company:	WCDSC Permian NM	TVD Reference:	RKB @ 3470.70ft
Project:	Lea County (NAD83 New Mexico East)	MD Reference:	RKB @ 3470.70ft
Site:	Sec 08-T25S-R33E	North Reference:	Grid
Well:	Flagler 8 Fed 26H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Permit Plan 1		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
PBHL - Flagler 8 Fed 26	0.00	0.00	0.00	4,570.57	168.16	419,622.61	770,270.74	32.151459	-103.593601
- plan misses target center by 4573.66ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Point									
Vertical Point - Flagler 8	0.00	0.00	8,300.00	-178.53	195.75	414,873.52	770,298.33	32.138405	-103.593617
- plan hits target center									
- Point									

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
2,600.00	2,600.00	0.00	0.00	Begin Nudge
2,820.72	2,820.63	-3.58	3.93	EOB
8,122.37	8,116.14	-175.55	192.48	EOH
8,306.30	8,300.00	-178.53	195.75	Drop to Vertical
9,233.34	9,227.04	-178.53	195.75	KOP @ 9233' MD, 201' FNL, 2435' FEL
9,624.92	9,588.84	-49.85	195.00	1st Take Point @ 9625' MD, 330' FSL, 2435' FEL
10,133.34	9,800.00	394.42	192.42	Land Point
14,309.56	9,800.00	4,570.57	168.16	PBHL; 330' FSL, 2435' FEL

WCDSC Permian NM			
WELL DETAILS: Flagler 8 Fed 26H			
RKB @ 3470.70ft 3445.70			
Northing 415052.05	Easting 770102.58	Latitude 32.138899	Longitude -103.594246

WELL DETAILS: Flagler 8 Fed 26H

	RKB @ 3470.70ft 3445.70
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	Northing	Easting	Latitude	Longitude
	415052.05	770102.58	32.138899	-103.594246



					SECTION DETAILS	Permit Plan 1			
	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect	Annotation
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	Begin Nudge
	2820.72	2.76	132.37	2820.64	-3.58	3.93	1.25	-3.43	EOB
	8122.37	2.76	132.37	8116.14	-175.55	192.48	0.00	-168.35	EOH
5	8306.30	0.00	0.00	8300.00	-178.53	195.75	1.50	-171.21	Drop to Vertical
6	9233.34	0.00	0.00	9227.04	-178.53	195.75	0.00	-171.21	KOP @ 9233' MD, 201' FNL, 2435' FE
7	10133.34	90.00	359.67	9800.00	394.42	192.42	10.00	401.23	Land Point
8	14309.56	90.00	359.67	9800.00	4570.57	168.16	0.00	4573.66	PBHL; 330' FSL, 2435' FEL

