

WCDSC Permian NM

Eddy County (NAD 83 NM Eastern)

Sec 27-T19S-R29E

Coral PWU 28-27 62H

Wellbore #1

Plan: Perlim Plan 1

Standard Planning Report - Geographic

08 May, 2018

**NM OIL CONSERVATION
ARTESIA DISTRICT**

MAY 10 2018

RECEIVED

Planning Report - Geographic

Database:	EDM r5000.141 Prod US	Local Co-ordinate Reference	Well Coral PWU 28-27 62H
Company:	WCDSC Permian NM	TVD Reference:	RKB @ 3333.00ft
Project:	Eddy County (NAD 83 NM Eastern)	MD Reference:	RKB @ 3333.00ft
Site:	Sec 27-T19S-R29E	North Reference:	Grid
Well:	Coral PWU 28-27 62H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Perlim Plan 1		

Project	Eddy County (NAD 83 NM Eastern)		
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 27-T19S-R29E		
Site Position:		Northing:	596,312.10 usft
From:	Map	Easting:	622,012.70 usft
Position Uncertainty:	5.00 ft	Slot Radius:	13-3/16 "
		Latitude:	32.839037
		Longitude:	-104.071247
		Grid Convergence:	0.14 °

Well	Coral PWU 28-27 62H		
Well Position	+N/-S	0.00 ft	Northing:
	+E/-W	0.00 ft	Easting:
Position Uncertainty	0.50 ft	Wellhead Elevation:	
		Latitude:	32.627782
		Longitude:	-104.079554
		Ground Level:	3,308.00 ft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2015	4/18/2018	7.13
			Dip Angle
			(°)
			60.34
			Field Strength
			(nT)
			48,037.84911983

Design	Perlim Plan 1		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.00	0.00	0.00
			Direction
			(°)
			89.97

Plan Survey Tool Program	Date 5/8/2018		
Depth From	Depth To	Survey (Wellbore)	Tool Name
(ft)	(ft)		
1	0.00	16,941.97 Perlim Plan 1 (Wellbore #1)	MWD+HDGM
			OWSG MWD + HDGM

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(ft)	(ft)	Rate	Rate	Rate	(°)	
(ft)			(ft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,542.76	6.78	271.91	4,541.49	1.07	-32.08	1.25	1.25	0.00	271.91	
7,571.23	6.78	271.91	7,548.76	13.01	-389.65	0.00	0.00	0.00	0.00	
8,023.53	0.00	0.00	8,000.00	13.90	-416.38	1.50	-1.50	0.00	180.00	Vertical Point - Coral :
8,600.57	0.00	0.00	8,577.04	13.90	-416.38	0.00	0.00	0.00	0.00	
9,500.57	90.00	90.07	9,150.00	13.24	156.58	10.00	10.00	0.00	90.07	PBHL - Coral 28-27 6:
16,941.97	90.00	90.07	9,150.00	4.64	7,597.98	0.00	0.00	0.00	0.00	PBHL - Coral 28-27 6:

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Project:	Eddy County (NAD 83 NM Eastern)	MD Reference:	RKB @ 3333.00ft
Site:	Sec 27-T19S-R29E	North Reference:	Grid
Well:	Coral PWU 28-27 62H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Perlim 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	592,211.10	619,465.50	32.627782	-104.079554
100.00	0.00	0.00	100.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
200.00	0.00	0.00	200.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
300.00	0.00	0.00	300.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
400.00	0.00	0.00	400.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
500.00	0.00	0.00	500.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
600.00	0.00	0.00	600.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
700.00	0.00	0.00	700.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
800.00	0.00	0.00	800.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
900.00	0.00	0.00	900.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
1,000.00	0.00	0.00	1,000.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
1,100.00	0.00	0.00	1,100.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
1,200.00	0.00	0.00	1,200.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
1,300.00	0.00	0.00	1,300.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
1,400.00	0.00	0.00	1,400.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
1,500.00	0.00	0.00	1,500.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
1,600.00	0.00	0.00	1,600.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
1,700.00	0.00	0.00	1,700.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
1,800.00	0.00	0.00	1,800.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
1,900.00	0.00	0.00	1,900.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
2,000.00	0.00	0.00	2,000.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
2,100.00	0.00	0.00	2,100.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
2,200.00	0.00	0.00	2,200.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
2,300.00	0.00	0.00	2,300.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
2,400.00	0.00	0.00	2,400.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
2,500.00	0.00	0.00	2,500.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
2,600.00	0.00	0.00	2,600.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
2,700.00	0.00	0.00	2,700.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
2,800.00	0.00	0.00	2,800.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
2,900.00	0.00	0.00	2,900.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
3,000.00	0.00	0.00	3,000.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
3,100.00	0.00	0.00	3,100.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
3,200.00	0.00	0.00	3,200.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
3,300.00	0.00	0.00	3,300.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
3,400.00	0.00	0.00	3,400.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
3,500.00	0.00	0.00	3,500.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
3,600.00	0.00	0.00	3,600.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
3,700.00	0.00	0.00	3,700.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
3,800.00	0.00	0.00	3,800.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
3,900.00	0.00	0.00	3,900.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
4,000.00	0.00	0.00	4,000.00	0.00	0.00	592,211.10	619,465.50	32.627782	-104.079554
Begin Nudge									
4,100.00	1.25	271.91	4,099.99	0.04	-1.09	592,211.14	619,464.41	32.627782	-104.079558
4,200.00	2.50	271.91	4,199.94	0.15	-4.36	592,211.25	619,461.14	32.627782	-104.079568
4,300.00	3.75	271.91	4,299.79	0.33	-9.81	592,211.43	619,455.70	32.627783	-104.079586
4,400.00	5.00	271.91	4,399.49	0.58	-17.43	592,211.69	619,448.07	32.627783	-104.079611
4,500.00	6.25	271.91	4,499.01	0.91	-27.23	592,212.01	619,438.28	32.627784	-104.079643
4,542.76	6.78	271.91	4,541.49	1.07	-32.08	592,212.17	619,433.42	32.627785	-104.079658
EOB									
4,600.00	6.78	271.91	4,598.33	1.30	-38.84	592,212.40	619,426.67	32.627786	-104.079680
4,700.00	6.78	271.91	4,697.63	1.69	-50.64	592,212.79	619,414.86	32.627787	-104.079719
4,800.00	6.78	271.91	4,796.93	2.08	-62.45	592,213.19	619,403.05	32.627788	-104.079757
4,900.00	6.78	271.91	4,896.23	2.48	-74.26	592,213.58	619,391.25	32.627789	-104.079795

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Company:	WCDSC Permian NM	TVD Reference:	RKB @ 3333.00ft
Project:	Eddy County (NAD 83 NM Eastern)	MD Reference:	RKB @ 3333.00ft
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Well:	Coral PWU 28-27 62H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Perlim 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	
5,000.00	6.78	271.91	4,995.53	2.87	-86.06	592,213.98	619,379.44	32.627790	-104.079834	
5,100.00	6.78	271.91	5,094.83	3.27	-97.87	592,214.37	619,367.63	32.627791	-104.079872	
5,200.00	6.78	271.91	5,194.13	3.66	-109.68	592,214.76	619,355.83	32.627793	-104.079910	
5,300.00	6.78	271.91	5,293.43	4.06	-121.49	592,215.16	619,344.02	32.627794	-104.079949	
5,400.00	6.78	271.91	5,392.73	4.45	-133.29	592,215.55	619,332.21	32.627795	-104.079987	
5,500.00	6.78	271.91	5,492.03	4.84	-145.10	592,215.95	619,320.40	32.627796	-104.080025	
5,600.00	6.78	271.91	5,591.33	5.24	-156.91	592,216.34	619,308.60	32.627797	-104.080064	
5,700.00	6.78	271.91	5,690.63	5.63	-168.71	592,216.74	619,296.79	32.627798	-104.080102	
5,800.00	6.78	271.91	5,789.93	6.03	-180.52	592,217.13	619,284.98	32.627799	-104.080140	
5,900.00	6.78	271.91	5,889.23	6.42	-192.33	592,217.52	619,273.18	32.627801	-104.080179	
6,000.00	6.78	271.91	5,988.53	6.81	-204.13	592,217.92	619,261.37	32.627802	-104.080217	
6,100.00	6.78	271.91	6,087.83	7.21	-215.94	592,218.31	619,249.56	32.627803	-104.080255	
6,200.00	6.78	271.91	6,187.13	7.60	-227.75	592,218.71	619,237.76	32.627804	-104.080294	
6,300.00	6.78	271.91	6,286.43	8.00	-239.55	592,219.10	619,225.95	32.627805	-104.080332	
6,400.00	6.78	271.91	6,385.73	8.39	-251.36	592,219.49	619,214.14	32.627806	-104.080370	
6,500.00	6.78	271.91	6,485.03	8.79	-263.17	592,219.89	619,202.34	32.627808	-104.080409	
6,600.00	6.78	271.91	6,584.33	9.18	-274.98	592,220.28	619,190.53	32.627809	-104.080447	
6,700.00	6.78	271.91	6,683.63	9.57	-286.78	592,220.68	619,178.72	32.627810	-104.080486	
6,800.00	6.78	271.91	6,782.93	9.97	-298.59	592,221.07	619,166.92	32.627811	-104.080524	
6,900.00	6.78	271.91	6,882.23	10.36	-310.40	592,221.47	619,155.11	32.627812	-104.080562	
7,000.00	6.78	271.91	6,981.53	10.76	-322.20	592,221.86	619,143.30	32.627813	-104.080601	
7,100.00	6.78	271.91	7,080.83	11.15	-334.01	592,222.25	619,131.49	32.627815	-104.080639	
7,200.00	6.78	271.91	7,180.13	11.54	-345.82	592,222.65	619,119.69	32.627816	-104.080677	
7,300.00	6.78	271.91	7,279.43	11.94	-357.62	592,223.04	619,107.88	32.627817	-104.080716	
7,400.00	6.78	271.91	7,378.73	12.33	-369.43	592,223.44	619,096.07	32.627818	-104.080754	
7,500.00	6.78	271.91	7,478.02	12.73	-381.24	592,223.83	619,084.27	32.627819	-104.080792	
7,571.23	6.78	271.91	7,548.76	13.01	-389.65	592,224.11	619,075.86	32.627820	-104.080820	
EOH										
7,600.00	6.35	271.91	7,577.34	13.12	-392.94	592,224.22	619,072.57	32.627820	-104.080830	
7,700.00	4.85	271.91	7,676.86	13.44	-402.69	592,224.55	619,062.81	32.627821	-104.080862	
7,800.00	3.35	271.91	7,776.60	13.68	-409.85	592,224.79	619,055.66	32.627822	-104.080885	
7,900.00	1.85	271.91	7,876.49	13.83	-414.38	592,224.94	619,051.12	32.627822	-104.080900	
8,000.00	0.35	271.91	7,976.47	13.90	-416.31	592,225.00	619,049.20	32.627823	-104.080906	
8,023.53	0.00	0.00	8,000.00	13.90	-416.38	592,225.00	619,049.12	32.627823	-104.080906	
Drop to Vertical										
8,100.00	0.00	0.00	8,076.47	13.90	-416.38	592,225.00	619,049.12	32.627823	-104.080906	
8,200.00	0.00	0.00	8,176.47	13.90	-416.38	592,225.00	619,049.12	32.627823	-104.080906	
8,300.00	0.00	0.00	8,276.47	13.90	-416.38	592,225.00	619,049.12	32.627823	-104.080906	
8,400.00	0.00	0.00	8,376.47	13.90	-416.38	592,225.00	619,049.12	32.627823	-104.080906	
8,500.00	0.00	0.00	8,476.47	13.90	-416.38	592,225.00	619,049.12	32.627823	-104.080906	
8,600.00	0.00	0.00	8,576.47	13.90	-416.38	592,225.00	619,049.12	32.627823	-104.080906	
8,600.57	0.00	0.00	8,577.04	13.90	-416.38	592,225.00	619,049.12	32.627823	-104.080906	
KOP @ 8601' MD, 1203' FSL, 2957' FEL										
8,700.00	9.94	90.07	8,675.97	13.89	-407.77	592,224.99	619,057.73	32.627823	-104.080879	
8,800.00	19.94	90.07	8,772.47	13.86	-382.02	592,224.96	619,083.48	32.627822	-104.080795	
8,900.00	29.94	90.07	8,863.03	13.81	-339.90	592,224.92	619,125.60	32.627822	-104.080658	
9,000.00	39.94	90.07	8,944.89	13.75	-282.70	592,224.85	619,182.80	32.627821	-104.080472	
9,100.00	49.94	90.07	9,015.58	13.66	-212.15	592,224.77	619,253.35	32.627821	-104.080243	
9,200.00	59.94	90.07	9,072.95	13.57	-130.40	592,224.67	619,335.11	32.627820	-104.079978	
9,200.57	60.00	90.07	9,073.24	13.57	-129.90	592,224.67	619,335.60	32.627820	-104.079976	
1st Take Point @ 9201' MD, 1204' FSL, 2671' FEL										
9,300.00	69.94	90.07	9,115.25	13.47	-39.92	592,224.57	619,425.58	32.627819	-104.079684	
9,400.00	79.94	90.07	9,141.20	13.35	56.52	592,224.46	619,522.03	32.627818	-104.079370	

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Site:	Sec 27-T19S-R29E	North Reference:	Grid.
Well:	Coral PWU 28-27 62H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Perlim 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
9,500.00	89.94	90.07	9,150.00	13.24	156.01	592,224.34	619,621.51	32.627817	-104.079047
9,500.57	90.00	90.07	9,150.00	13.24	156.58	592,224.34	619,622.08	32.627817	-104.079045
Land Point									
9,600.00	90.00	90.07	9,150.00	13.12	256.01	592,224.23	619,721.51	32.627816	-104.078722
9,700.00	90.00	90.07	9,150.00	13.01	356.01	592,224.11	619,821.51	32.627815	-104.078398
9,800.00	90.00	90.07	9,150.00	12.89	456.01	592,224.00	619,921.51	32.627814	-104.078073
9,900.00	90.00	90.07	9,150.00	12.78	556.01	592,223.88	620,021.51	32.627813	-104.077748
10,000.00	90.00	90.07	9,150.00	12.66	656.01	592,223.76	620,121.51	32.627812	-104.077423
10,100.00	90.00	90.07	9,150.00	12.55	756.01	592,223.65	620,221.51	32.627811	-104.077098
10,200.00	90.00	90.07	9,150.00	12.43	856.01	592,223.53	620,321.51	32.627810	-104.076773
10,300.00	90.00	90.07	9,150.00	12.31	956.01	592,223.42	620,421.51	32.627809	-104.076449
10,400.00	90.00	90.07	9,150.00	12.20	1,056.01	592,223.30	620,521.51	32.627808	-104.076124
10,500.00	90.00	90.07	9,150.00	12.08	1,156.01	592,223.19	620,621.51	32.627807	-104.075799
10,600.00	90.00	90.07	9,150.00	11.97	1,256.01	592,223.07	620,721.51	32.627806	-104.075474
10,700.00	90.00	90.07	9,150.00	11.85	1,356.01	592,222.96	620,821.51	32.627805	-104.075149
10,800.00	90.00	90.07	9,150.00	11.74	1,456.01	592,222.84	620,921.51	32.627804	-104.074825
10,900.00	90.00	90.07	9,150.00	11.62	1,556.01	592,222.72	621,021.51	32.627803	-104.074500
11,000.00	90.00	90.07	9,150.00	11.51	1,656.01	592,222.61	621,121.51	32.627802	-104.074175
11,100.00	90.00	90.07	9,150.00	11.39	1,756.01	592,222.49	621,221.51	32.627801	-104.073850
11,200.00	90.00	90.07	9,150.00	11.27	1,856.01	592,222.38	621,321.51	32.627800	-104.073525
11,300.00	90.00	90.07	9,150.00	11.16	1,956.01	592,222.26	621,421.51	32.627799	-104.073200
11,400.00	90.00	90.07	9,150.00	11.04	2,056.01	592,222.15	621,521.50	32.627798	-104.072876
11,500.00	90.00	90.07	9,150.00	10.93	2,156.01	592,222.03	621,621.50	32.627797	-104.072551
11,600.00	90.00	90.07	9,150.00	10.81	2,256.00	592,221.92	621,721.50	32.627796	-104.072226
11,700.00	90.00	90.07	9,150.00	10.70	2,356.00	592,221.80	621,821.50	32.627795	-104.071901
11,800.00	90.00	90.07	9,150.00	10.58	2,456.00	592,221.68	621,921.50	32.627794	-104.071576
11,900.00	90.00	90.07	9,150.00	10.47	2,556.00	592,221.57	622,021.50	32.627793	-104.071252
12,000.00	90.00	90.07	9,150.00	10.35	2,656.00	592,221.45	622,121.50	32.627792	-104.070927
12,100.00	90.00	90.07	9,150.00	10.23	2,756.00	592,221.34	622,221.50	32.627791	-104.070602
12,200.00	90.00	90.07	9,150.00	10.12	2,856.00	592,221.22	622,321.50	32.627790	-104.070277
12,300.00	90.00	90.07	9,150.00	10.00	2,956.00	592,221.11	622,421.50	32.627789	-104.069952
12,400.00	90.00	90.07	9,150.00	9.89	3,056.00	592,220.99	622,521.50	32.627788	-104.069627
12,500.00	90.00	90.07	9,150.00	9.77	3,156.00	592,220.88	622,621.50	32.627787	-104.069303
12,600.00	90.00	90.07	9,150.00	9.66	3,256.00	592,220.76	622,721.50	32.627786	-104.068978
12,700.00	90.00	90.07	9,150.00	9.54	3,356.00	592,220.64	622,821.50	32.627785	-104.068653
12,800.00	90.00	90.07	9,150.00	9.43	3,456.00	592,220.53	622,921.50	32.627784	-104.068328
12,900.00	90.00	90.07	9,150.00	9.31	3,556.00	592,220.41	623,021.50	32.627783	-104.068003
13,000.00	90.00	90.07	9,150.00	9.20	3,656.00	592,220.30	623,121.50	32.627782	-104.067679
13,100.00	90.00	90.07	9,150.00	9.08	3,756.00	592,220.18	623,221.50	32.627781	-104.067354
13,200.00	90.00	90.07	9,150.00	8.96	3,856.00	592,220.07	623,321.50	32.627780	-104.067029
13,300.00	90.00	90.07	9,150.00	8.85	3,956.00	592,219.95	623,421.50	32.627779	-104.066704
13,400.00	90.00	90.07	9,150.00	8.73	4,056.00	592,219.84	623,521.50	32.627778	-104.066379
13,500.00	90.00	90.07	9,150.00	8.62	4,156.00	592,219.72	623,621.50	32.627777	-104.066054
13,600.00	90.00	90.07	9,150.00	8.50	4,256.00	592,219.60	623,721.50	32.627776	-104.065730
13,700.00	90.00	90.07	9,150.00	8.39	4,356.00	592,219.49	623,821.50	32.627775	-104.065405
13,800.00	90.00	90.07	9,150.00	8.27	4,456.00	592,219.37	623,921.50	32.627774	-104.065080
13,900.00	90.00	90.07	9,150.00	8.16	4,556.00	592,219.26	624,021.50	32.627773	-104.064755
14,000.00	90.00	90.07	9,150.00	8.04	4,656.00	592,219.14	624,121.50	32.627772	-104.064430
14,100.00	90.00	90.07	9,150.00	7.92	4,756.00	592,219.03	624,221.50	32.627771	-104.064105
14,200.00	90.00	90.07	9,150.00	7.81	4,856.00	592,218.91	624,321.50	32.627770	-104.063781
14,300.00	90.00	90.07	9,150.00	7.69	4,956.00	592,218.80	624,421.50	32.627769	-104.063456
14,400.00	90.00	90.07	9,150.00	7.58	5,056.00	592,218.68	624,521.50	32.627768	-104.063131
14,500.00	90.00	90.07	9,150.00	7.46	5,156.00	592,218.56	624,621.50	32.627767	-104.062806
14,600.00	90.00	90.07	9,150.00	7.35	5,256.00	592,218.45	624,721.50	32.627766	-104.062481

Planning Report - Geographic

Database: EDM r5000.141_Prod US
 Company: WCDSC Permian NM
 Project: Eddy County (NAD 83 NM Eastern)
 Site: Sec 27-T19S-R29E
 Well: Coral PWU 28-27 62H
 Wellbore: Wellbore #1
 Design: Perlim Plan 1

Local Co-ordinate Reference
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:

Well Coral PWU 28-27 62H
 RKB @ 3333.00ft
 RKB @ 3333.00ft
 Grid
 Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
14,700.00	90.00	90.07	9,150.00	7.23	5,356.00	592,218.33	624,821.50	32.627765	-104.062157
14,800.00	90.00	90.07	9,150.00	7.12	5,456.00	592,218.22	624,921.50	32.627764	-104.061832
14,900.00	90.00	90.07	9,150.00	7.00	5,556.00	592,218.10	625,021.50	32.627763	-104.061507
15,000.00	90.00	90.07	9,150.00	6.88	5,656.00	592,217.99	625,121.50	32.627762	-104.061182
15,100.00	90.00	90.07	9,150.00	6.77	5,756.00	592,217.87	625,221.50	32.627761	-104.060857
15,200.00	90.00	90.07	9,150.00	6.65	5,856.00	592,217.76	625,321.49	32.627760	-104.060532
15,300.00	90.00	90.07	9,150.00	6.54	5,956.00	592,217.64	625,421.49	32.627759	-104.060208
15,400.00	90.00	90.07	9,150.00	6.42	6,056.00	592,217.53	625,521.49	32.627758	-104.059883
15,500.00	90.00	90.07	9,150.00	6.31	6,156.00	592,217.41	625,621.49	32.627757	-104.059558
15,600.00	90.00	90.07	9,150.00	6.19	6,256.00	592,217.29	625,721.49	32.627756	-104.059233
15,700.00	90.00	90.07	9,150.00	6.08	6,356.00	592,217.18	625,821.49	32.627755	-104.058908
15,800.00	90.00	90.07	9,150.00	5.96	6,456.00	592,217.06	625,921.49	32.627754	-104.058584
15,900.00	90.00	90.07	9,150.00	5.84	6,556.00	592,216.95	626,021.49	32.627753	-104.058259
16,000.00	90.00	90.07	9,150.00	5.73	6,656.00	592,216.83	626,121.49	32.627752	-104.057934
16,100.00	90.00	90.07	9,150.00	5.61	6,756.00	592,216.72	626,221.49	32.627751	-104.057609
16,200.00	90.00	90.07	9,150.00	5.50	6,856.00	592,216.60	626,321.49	32.627750	-104.057284
16,300.00	90.00	90.07	9,150.00	5.38	6,956.00	592,216.49	626,421.49	32.627749	-104.056959
16,400.00	90.00	90.07	9,150.00	5.27	7,056.00	592,216.37	626,521.49	32.627748	-104.056635
16,500.00	90.00	90.07	9,150.00	5.15	7,156.00	592,216.25	626,621.49	32.627747	-104.056310
16,600.00	90.00	90.07	9,150.00	5.04	7,256.00	592,216.14	626,721.49	32.627746	-104.055985
16,700.00	90.00	90.07	9,150.00	4.92	7,356.00	592,216.02	626,821.49	32.627745	-104.055660
16,800.00	90.00	90.07	9,150.00	4.80	7,456.00	592,215.91	626,921.49	32.627744	-104.055335
16,841.97	90.00	90.07	9,150.00	4.76	7,497.97	592,215.86	626,963.46	32.627743	-104.055199
Last Take Point @ 16842' MD, 1210' FSL, 330' FEL									
16,900.00	90.00	90.07	9,150.00	4.69	7,556.00	592,215.79	627,021.49	32.627743	-104.055011
16,941.97	90.00	90.07	9,150.00	4.64	7,597.97	592,215.74	627,063.46	32.627742	-104.054874
PBHL; 1210' FSL, 230' FEL									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL - Coral 28-27 62H	0.00	0.00	0.00	4.64	7,597.98	592,215.74	627,063.46	32.627742	-104.054874
- plan misses target center by 7597.98ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Point									
Vertical Point - Coral 28-	0.00	0.00	8,000.00	13.90	-416.38	592,225.00	619,049.12	32.627823	-104.080906
- plan hits target center									
- Point									

Planning Report - Geographic

Database:	EDM r5000.141_Prod US	Local Co-ordinate Reference	Well Coral PWU 28-27 62H
Company:	WCDSC Permian NM	TVD Reference:	RKB @ 3333.00ft
Project:	Eddy County (NAD 83 NM Eastern)	MD Reference:	RKB @ 3333.00ft
Site:	Sec 27-T19S-R29E	North Reference:	Grid
Well:	Coral PWU 28-27 62H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Perlim Plan 1		

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
4,000.00	4,000.00	0.00	0.00	Begin Nudge
4,542.76	4,541.49	1.07	-32.08	EOB
7,571.23	7,548.76	13.01	-389.65	EOH
8,023.53	8,000.00	13.90	-416.38	Drop to Vertical
8,600.57	8,577.04	13.90	-416.38	KOP @ 8601' MD, 1203' FSL, 2957' FEL
9,200.57	9,073.24	13.57	-129.90	1st Take Point @ 9201' MD, 1204' FSL, 2671' FEL
9,500.57	9,150.00	13.24	156.58	Land Point
16,841.97	9,150.00	4.76	7,497.97	Last Take Point @ 16842' MD, 1210' FSL, 330' FEL
16,941.97	9,150.00	4.64	7,597.97	PBHL; 1210' FSL, 230' FEL

WCDSC Permian NM

WELL DETAILS: Coral PWU 28-27 62H

RKB @ 3333.00ft
3308.00

Northing 582211.10 Easting 619465.50 Latitude 32.827782 Longitude -104.079554

SECTION DETAILS Perlim 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	
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	Begin Nudge
4542.78	6.78	271.91	4541.49	1.07	-32.08	1.25	-32.08	EOB
7571.23	6.78	271.91	7548.78	13.01	-389.65	0.00	-389.64	EOH
8023.53	0.00	0.00	8000.00	13.90	-416.38	1.50	-416.37	Drop to Vertical
8600.57	0.00	0.00	8577.04	13.90	-416.38	0.00	-416.37	KOP @ 8601' MD, 1203' FSL, 2957' FEL
9500.57	90.00	90.07	9150.00	13.24	156.58	10.00	156.59	Land Point
16941.97	80.00	90.07	8150.00	4.64	7597.98	0.00	7597.98	PBHL: 1210' FSL, 230' FEL

devon

