



CACTUS DRILLING COMPANY, L.L.C.

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HOBBS OCD

REPORT OF PROOF OF APPARENT DEVIATION
NEW MEXICO

OPERATOR CIMAREX CO OF COLORADO

600 EAST LAS COLINAS BLVD STE 1100
IRVING, TX 75039

FIELD NAME

30-025-38556

COUNTY/PARISH LEA

WELL NAME & NO. LAGUNA DEEP UNIT #16

K-1980/541980/w

LEGAL SEC 36-19S-33E

MEASURED DEPTH (FT)	COURSE LENGTH (HUNDREDS OF FT)	ANGLE OF INCLINATION (DEGREES)	DISPLACEMENT PER HUNDRED FT (SINE OF ANGLE X 100)	COURSE DISPLACEMENT (FEET)	ACCUMULATIVE DISPLACEMENT (FEET)	REMARKS
458	4 58	2 1/2	4 3619	19 98	19 98	
578	1 20	2	3 4899	4 19	24 17	
856	2 78	1/2	0 8727	2 43	26 59	
1199	3 43	1/2	0 8727	2 99	29 58	
1543	3 44	1	1 7452	6 00	35 59	
1980	4 37	1	1 7452	7 63	43 22	
2544	5 64	1	1 7452	9 84	53 06	
2949	4 05	3	5 2336	21 20	74 25	
3074	1 25	3	5 2336	6 54	80 80	
3078	0 04	3	5 1290	0 21	81 00	
3918	8 40	1/2	0 8727	7 33	88 33	
5349	14 31	1/2	0 8727	12 49	100 82	
5696	3 47	1/2	0 8727	3 03	103 85	
5979	2 83	1/2	0 8727	2 47	106 32	
6321	3 42	1/2	0 8727	2 98	109 30	
6617	2 96	1/2	0 8727	2 58	111 88	
6966	3 49	1/2	0 8727	3 05	114 93	
7591	6 25	1/2	0 8727	5 45	120 38	
8157	5 66	1/2	0 8727	4 94	125 32	
8656	4 99	1/2	0 8727	4 35	129 68	
9062	4 06	1	1 7452	7 09	136 76	
9485	4 23	1	1 7452	7 38	144 15	
10382	8 97	2	3 5423	31 77	175 92	

