



CACTUS DRILLING COMPANY, L.L.C.

REPORT OF PROOF OF APPARENT DEVIATION
NEW MEXICO

OPERATOR CIMAREX ENERGY CO OF COLORADO
600 EAST LAS COLINAS BLVD. STE 1100
IRVING, TX 75039

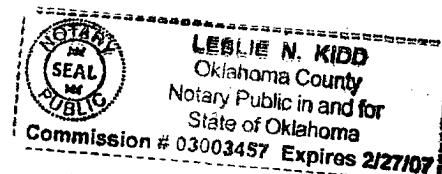
FIELD NAME _____

COUNTY/PARISH EDDY

WELL NAME & NO. FULL TANK 33 FED COM #1

LEGAL SEC 33-17S-30E

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
456	4.56	1/2	0.8727	3.98	3.98	
979	5.23	1/4	0.4538	2.37	6.35	
1480	5.01	2/3	1.1868	5.95	12.30	
1980	5.00	3/5	1.0297	5.15	17.45	
2470	4.90	7/9	1.3439	6.58	24.03	
2945	4.75	1/2	0.8552	4.06	28.09	
3252	3.07	1/7	0.2443	0.75	28.84	
3745	4.93	1/4	0.4363	2.15	31.00	
3960	2.15	1/2	0.9425	2.03	33.02	
4458	4.98	0	0.1745	0.87	33.89	
4958	5.00	1/4	0.4538	2.27	36.16	
5443	4.85	2 2/9	3.8737	18.79	54.95	
5582	1.39	2 2/7	4.0132	5.58	60.53	
6015	4.33	2 3/7	4.2224	18.28	78.81	
6529	5.14	2 3/7	4.2399	21.79	100.60	
7054	5.25	3	5.0942	26.74	127.35	
7475	4.21	2 7/9	4.8327	20.35	147.69	
7975	5.00	1 3/4	3.0190	15.09	162.79	
8512	5.37	1 4/5	3.1585	16.96	179.75	
9450	9.38	2 1/5	3.8562	36.17	215.92	
9881	4.31	1 2/3	2.9666	12.79	228.71	
10375	4.94	4/7	0.9948	4.91	233.62	
10620	2.45	1 1/2	2.6002	6.37	239.99	
11120	5.00	8/9	1.5707	7.85	247.84	
11305	1.85	1 3/7	2.4956	4.62	252.46	
11680	3.75	3	5.1987	19.50	271.96	



Leslie N. Kidd