



CACTUS DRILLING COMPANY, L.L.C.
REPORT OF PROOF OF APPARENT DEVIATION
NEW MEXICO

30-025-37192

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

FIELD NAME

COUNTY/PARISH LEA

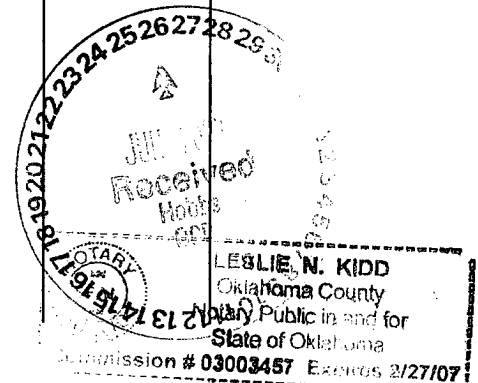
WELL NAME & NO. PIPELINE A FEDERAL COM #3

Unit D

LEGAL SEC 8-19S-34E

1150' N & 950' W

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
238	2.38	1 2/5	2.4432	5.81	5.81	
375	1.37	1 4/9	2.5305	3.47	9.28	
962	5.87	3/4	1.3090	7.68	16.97	
1463	5.01	1/2	0.8727	4.37	21.34	
2009	5.46	1/4	0.4363	2.38	23.72	
2470	4.61	1/4	0.4363	2.01	25.73	
2931	4.61	1 3/4	3.0539	14.08	39.81	
3201	2.70	3/4	1.3090	3.53	43.34	
3452	2.51	1	1.7452	4.38	47.72	
3956	5.04	2	3.4899	17.59	65.31	
4157	2.01	1	1.7452	3.51	68.82	
4422	2.65	2 1/4	3.9260	10.40	79.23	
4778	3.56	1 1/2	2.6177	9.32	88.54	
5031	2.53	1	1.7452	4.42	92.96	
5349	3.18	2	3.4899	11.10	104.06	
5680	3.31	1	1.7452	5.78	109.83	
6089	4.09	1	1.7452	7.14	116.97	
6565	4.76	1	1.7452	8.31	125.28	
7075	5.10	1	1.7452	8.90	134.18	
7552	4.77	1	1.7452	8.32	142.51	
8062	5.10	1	1.7452	8.90	151.41	
8540	4.78	1	1.7452	8.34	159.75	
9124	5.84	1	1.7452	10.19	169.94	
9638	5.14	1	1.7452	8.97	178.91	
10148	5.10	1 1/2	2.6177	13.35	192.26	
10657	5.09	2 1/2	4.3619	22.20	214.46	
10985	3.28	2	3.4899	11.45	225.91	
11495	5.10	1	1.7452	8.90	234.81	
12392	8.97	1	1.7452	15.65	250.47	
12878	4.86	1 1/2	2.6177	12.72	263.19	
13362	4.84	1 1/2	2.6177	12.67	275.86	
13666	3.04	1	1.7452	5.31	281.16	



Leslie N. Kidd
6-14-2006