



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

OPERATOR Cimarron Energy Co. of Colorado
PO Box 140907; Irving, TX 75014

FIELD NAME 30-025-371L3

COUNTY/PARISH LEA

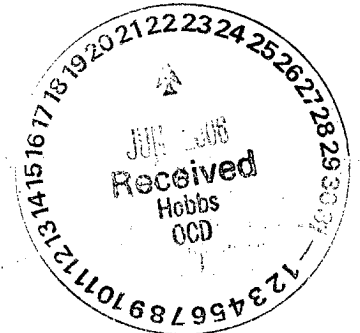
WELL NAME & NO. PIPELINE DEEP 7 FEDERAL COM 2

Unit I

LEGAL SEC 7-19S-34E

1480/5 @ 1215/E

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
140	1.40	0	0.1396	0.20	0.20	
377	2.37	2/7	0.5061	1.20	1.40	
731	3.54	1	1.7452	6.18	7.57	
1052	3.21	1	1.7452	5.60	13.18	
1345	2.93	1	1.7452	5.11	18.29	
1642	2.97	1	1.7452	5.18	23.47	
2205	5.63	1	1.7452	9.83	33.30	
2567	3.62	1	1.7452	6.32	39.62	
2840	2.73	1/2	0.8727	2.38	42.00	
3127	2.87	1/2	0.8727	2.50	44.50	
3412	2.85	1/2	0.8727	2.49	46.99	
3805	3.93	1/7	0.2618	1.03	48.02	
4151	3.48	1 1/2	2.6177	9.06	57.08	
4373	2.22	1	1.7452	3.87	60.95	
4674	3.01	1 1/2	2.6177	7.88	68.83	
4897	2.23	1/2	0.8727	1.95	70.78	
5020	1.23	1/2	0.8727	1.07	71.85	
5238	2.18	1/2	0.8727	1.90	73.75	
5480	2.42	1/2	0.8727	2.11	75.86	
5770	2.90	1/2	0.8727	2.53	78.39	
5960	1.90	1/2	0.8727	1.66	80.05	
6161	2.01	1/2	0.8727	1.75	81.81	
6478	3.17	1	1.7452	5.53	87.34	
6691	2.13	1/2	0.8727	1.86	89.20	
6956	2.64	1/2	0.8727	2.30	91.50	
7241	2.86	1/2	0.8727	2.50	94.00	
7552	3.11	1/2	0.8727	2.71	96.71	
7814	2.62	1/2	0.8727	2.29	99.00	
8132	3.18	1/2	0.8727	2.78	101.77	
8418	2.86	1	1.7452	4.99	106.76	
8700	2.82	1 1/2	2.6177	7.38	114.15	
8950	2.50	2	3.4899	8.72	122.87	
9118	1.68	1 2/7	2.2338	3.75	126.62	
9340	2.22	2 1/2	4.3619	9.68	136.31	
9469	1.29	2	3.4899	4.50	140.81	
9564	0.95	1	1.7452	1.66	142.47	
9720	1.56	1/2	0.8727	1.36	143.83	
9970	2.50	1	1.7452	4.36	148.19	
10068	0.98	2 1/2	4.3619	4.27	152.47	
10158	0.90	2 1/2	4.3619	3.93	156.39	
10258	1.00	3 2/3	6.3467	6.35	162.74	
10353	0.95	3	5.1639	4.91	167.65	
10470	1.17	2 1/2	4.3619	5.10	172.75	
10569	0.99	1/2	0.8727	0.86	173.61	
10632	0.63	1/2	0.8727	0.55	174.16	
10817	1.85	1/2	0.8727	1.61	175.78	
11028	2.11	1/2	0.8727	1.84	177.62	
11077	0.49	1/2	0.8727	0.43	178.05	
11218	1.41	3	5.2336	7.38	185.43	
11243	0.25	4 1/4	7.4108	1.85	187.28	
11358	1.15	4 1/2	7.8981	9.08	196.36	
11433	0.75	4	7.1149	5.34	201.70	
11540	1.07	3 4/9	6.0003	6.42	208.12	
11621	0.81	3	5.1290	4.15	212.27	
11741	1.20	2 1/2	4.3619	5.23	217.51	
11836	0.95	2 1/6	3.7690	3.58	221.09	
11861	0.25	1 2/3	2.9666	0.74	221.83	
11987	1.26	1 2/5	2.4432	3.08	224.91	
12020	0.33	1 1/3	2.2687	0.75	225.66	
12136	1.18	1 1/3	2.2687	2.63	228.29	
12326	1.90	1 1/3	2.2687	4.31	232.60	
12397	0.71	1 1/3	2.2687	1.61	234.21	
12633	2.36	1 1/5	2.0942	4.94	239.15	
12791	1.58	1 1/3	2.2687	3.58	242.74	
12936	1.45	1 1/3	2.2687	3.29	246.03	
13099	1.63	8/9	1.5707	2.56	248.59	
13254	1.55	1	1.7452	2.71	251.29	
13392	1.38	1 1/2	2.6177	3.61	254.90	
13457	0.65	1 4/5	3.1411	2.04	256.95	
13660	2.03	1 1/3	2.2687	4.61	261.55	



NOTARY
SEAL
PUBLIC
LESLIE N. KIDD
Oklahoma County
Notary Public in and for
State of Oklahoma
Commission # 03003457 Expires 2/27/07

Leslie N. Kidd

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