CACTUS

CACTUS DRILLING COMPANY, L.L.C.

REPORT OF PROOF OF APPARENT DEVIATION
NEW MEXICO

30-025-37194

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

FIELD NAME

COUNTY/PARISH LEA

WELL NAME & NO. PIPELINE DEEP 17 FED #2 Unit E 1450/N & 1200/W

LEGAL SEC 17-19S-34E

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
390	3.90	1/4	0.4363	1.70	1.70	
886	4.96	5/6	1.4486	7.18	8.89	
1111	2.25	1/2	0.8727	1.96	10.85	
1400	2.89	2/7	0.5236	1.51	12.36	
1641	2.41	1/2	0.8727	2.10	14.47	
1923	2.82	3/7	0.7330	2.07	16.53	
2121	1.98	1/2	0.8727	1.73	18.26	
2371	2.50	1/2	0.8727	2.18	20.44	
2766	3.95	1/2	0.8727	3.45	23.89	
2959	1.93	1 1/3	2.3560	4.55	28.44	
3080	1.21	1	1.7452	2.11	30.55	
3295	2.15	1 1/2	2.6177	5.63	36.18	
3470	1.75	1 1/2	2.6700	4.67	40.85	
3640	1.70	1 1/2	2.6177	4.45	45.30	
3901	2.61	1 1/2	2.6177	6.83	52.13	
4219	3.18	1 1/2	2.6177	8.32	60.46	
4545	3.26	1	1.7452	5.69	66.15	
4887	3.42	1	1.7452	5.97	72.11	
5174	2.87	1/2	0.8727	2.50	74.62	
5525	3.51	1/2	0.8727	3.06	77.68	
5777	2.52	1/2	0.8727	2.20	79.88	
5980	2.03	1/2	0.8727	1.77	81.65	
6154	1.74	1 1/2	2.6177	4.55	86.21	
6650	4.96	1 3/5	2.8096	13.94	100.14	
7100	4.50	1 3/5	2.7922	12.56	112.71	
7540	4.40	3/5	1.0646	4.68	117.39	
7847	3.07	1/2	0.8727	2.68	120.07	
8037	1.90	1	1.7452	3.32	123.39	
8355	3.18	1/2	0.8727	2.78	126.16	
8545	1.90	1	1.7452	3.32	129.48	
8990	4.45	1/2	0.8727	3.88	133.36	
9117	1.27	1/2	0.8727	1.11	134.47	
9403	2.86	1/2	0.8727	2.50	136.97	
9818	4.15	1	1.7452	7.24	144.21	
10189	3.71	1/2	0.8727	3.24	147.45	
10603	4.14	1/2	0.8727	3.61	151.06	
11005	4.02	1/2	0.8727	3.51	154.57	
11548	5.43	1/2	0.8727	4.74	159.30	
11944	3.96	1	1.7452	6.91	166.22	
12103	1.59	1	1.7452	2.77	168.99	
12284	1.81	3/8	0.6632	1.20	170.19	
12422	1.38	1	1.7452	2.41	172.60	
12643	2.21	1/2	0.8727	1.93	174.53	
12864	2.21	1/2	0.8727	1.93	176.46	
13055	1.91	1/2	0.8727	1.67	178.12	

Received
Hobbs
OCD
MAY 2007

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

Leslie N Kidd
12-12-07

11/29/2006

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