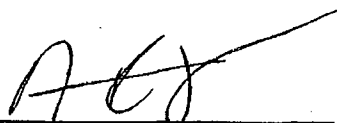


Apache Corporation
303 Veterans Airpark Lane, #3000
Midland, TX 79705

Birdie Federal #018 API #30-015-41244
Eddy County, New Mexico 2310' FNL & 1600' FEL ULL: G 17-178-30E

149	1.49	1.00	1.75	2.61	2.61
350	2.01	1.00	1.75	3.52	6.13
418	0.68	1.70	2.98	2.02	8.15
622	2.04	2.10	3.68	7.50	15.65
857	2.35	2.40	4.20	9.87	25.52
1113	2.56	3.00	5.25	13.44	38.96
1216	1.03	2.50	4.38	4.51	43.46
1599	3.83	1.10	1.93	7.37	50.83
1898	2.99	0.90	1.58	4.71	55.54
2197	2.99	0.60	1.05	3.14	58.68
2495	2.98	0.60	1.05	3.13	61.81
2709	2.14	0.80	1.40	3.00	64.81
2880	1.71	0.40	0.70	1.20	66.00
2922	0.42	1.00	1.75	0.74	66.74
3179	2.57	0.30	0.53	1.35	68.09
3307	1.28	0.80	1.40	1.79	69.88
3563	2.56	0.50	0.88	2.24	72.12
3734	1.71	0.90	1.58	2.69	74.81
3862	1.28	0.60	1.05	1.34	76.16
3990	1.28	0.70	1.23	1.57	77.73
4246	2.56	0.90	1.58	4.03	81.76
4460	2.14	0.90	1.58	3.37	85.13
4545	0.85	1.30	2.28	1.93	87.06
4844	2.99	1.00	1.75	5.23	92.30
5100	2.56	1.10	1.93	4.93	97.22
5399	2.99	1.00	1.75	5.23	102.46
5527	1.28	0.60	1.05	1.34	103.80
5827	3.00	1.00	1.75	5.25	109.05
5954	1.27	0.80	1.40	1.78	110.83
6168	2.14	1.10	1.93	4.12	114.95



Archie Brown - General Manager

The attached instrument was acknowledged before me on the 30th day of December, 2013 by Archie Brown - General Manager, CapStar Drilling, Inc.


Notary Public

