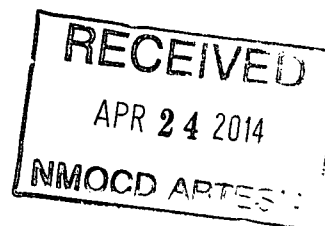


Apache Corporation
303 Veterans Airpark Lane, #3000
Midland, TX 79705

Barnsdall Federal #016 AP1# 30-015-41245
Eddy County, New Mexico 330' FNH & 2310' FEL UL: B, 27-175-29E

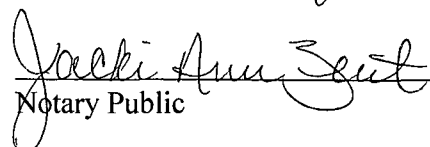
280	2.80	0.50	0.88	2.45	2.45
515	2.35	1.25	2.19	5.14	7.59
783	2.68	1.50	2.63	7.04	14.63
1049	2.66	1.50	2.63	6.98	21.61
1305	2.56	0.90	1.58	4.03	25.64
1604	2.99	0.10	0.18	0.52	26.16
1860	2.56	0.30	0.53	1.34	27.51
2116	2.56	0.90	1.58	4.03	31.54
2373	2.57	0.20	0.35	0.90	32.44
2714	3.41	0.40	0.70	2.39	34.83
3013	2.99	0.40	0.70	2.09	36.92
3312	2.99	0.30	0.53	1.57	38.49
3568	2.56	0.60	1.05	2.69	41.18
3825	2.57	1.00	1.75	4.50	45.67
4080	2.55	0.30	0.53	1.34	47.01
4337	2.57	0.20	0.35	0.90	47.91
4632	2.95	0.40	0.70	2.07	49.98
4806	1.74	1.50	2.63	4.57	54.54
5063	2.57	1.40	2.45	6.30	60.84
5318	2.55	1.30	2.28	5.80	66.64
5575	2.57	0.30	0.53	1.35	67.99
5874	2.99	0.40	0.70	2.09	70.08
6105	2.31	1.00	1.75	4.04	74.13





Archie Brown - General Manager

The attached instrument was acknowledged before me on the 4th day of February, 2014 by
Archie Brown - General Manager, CapStar Drilling, Inc.


Notary Public

