

Apache Corporation
6120 S. Yale Ste 1500
Tulsa, OK 74136

Hawk Federal B-1 #069
Lea County, New Mexico

30-025-40458
J-8-215-37E

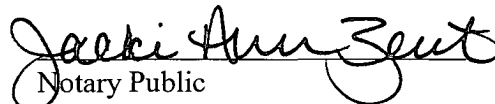
2480' FSL + 1805' FEL

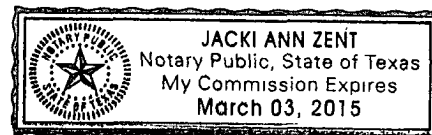
248	2.48	0.50	0.88	2.17	2.17
792	5.44	1.20	2.10	11.42	13.59
1295	5.03	0.90	1.58	7.92	21.52
1452	1.57	0.70	1.23	1.92	23.44
1704	2.52	0.60	1.05	2.65	26.09
1956	2.52	2.10	3.68	9.26	35.35
2114	1.58	3.20	5.60	8.85	44.19
2380	2.66	2.60	3.00	7.98	52.17
2588	2.08	2.30	4.03	8.37	60.55
2714	1.26	1.50	2.63	3.31	63.85
3044	3.00	0.90	1.58	4.73	68.58
3188	1.44	0.60	1.05	1.51	70.09
3283	0.95	0.30	0.53	0.50	70.59
3538	2.55	0.30	0.53	1.34	71.93
3722	1.84	0.40	0.70	1.29	73.22
3987	2.65	0.10	0.18	0.46	73.68
4230	2.43	0.50	0.88	2.13	75.81
4482	2.52	0.60	1.05	2.65	78.45
4735	2.53	0.60	1.05	2.66	81.11
5019	2.84	0.30	0.53	1.49	82.60
5535	5.16	0.60	1.05	5.42	88.02
5766	2.31	0.10	0.18	0.40	88.42
6219	4.53	0.30	0.53	2.38	90.80
6715	4.96	0.30	0.53	2.60	93.40
7219	5.04	0.90	1.58	7.94	101.34
7500	2.81	0.50	0.88	2.46	103.80



Archie Brown - General Manager

The attached instrument was acknowledged before me on the 18th day of June, 2012
by Archie Brown - General Manager, CapStar Drilling, Inc.


Notary Public



JUL 31 2012