

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

AAO Federal #1 SWD
API # 30-015-42549

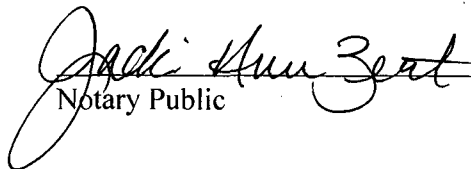
AAO Federal SWD #001
Eddy County, New Mexico

0	0.00	0.00	0.00	0.00	0.00
60	0.60	0.60	1.05	0.63	0.63
260	2.00	0.52	0.91	1.82	2.45
460	2.00	0.49	0.86	1.72	4.17
645	1.85	0.54	0.95	1.75	5.91
815	1.70	0.58	1.02	1.73	7.64
1070	2.55	0.56	0.98	2.50	10.14
1239	1.69	1.10	1.93	3.25	13.39
1410	1.71	1.04	1.82	3.11	16.50
1666	2.56	0.88	1.54	3.94	20.45
1836	1.70	0.99	1.73	2.95	23.39
2092	2.56	1.85	3.24	8.29	31.68
2262	1.70	3.47	6.07	10.32	42.00
2432	1.70	3.84	6.72	11.42	53.43
2688	2.56	2.92	5.11	13.08	66.51
2859	1.71	2.10	3.68	6.28	72.79
3029	1.70	1.92	3.36	5.71	78.50
3284	2.55	1.12	1.96	5.00	83.50
3454	1.70	0.52	0.91	1.55	85.05
3624	1.70	0.75	1.31	2.23	87.28
3880	2.56	0.53	0.93	2.37	89.65
4050	1.70	0.15	0.26	0.45	90.10
4220	1.70	0.11	0.19	0.33	90.43
4433	2.13	0.30	0.53	1.12	91.55
4646	2.13	1.12	1.96	4.17	95.72
4731	0.85	1.89	3.31	2.81	98.53
4960	2.29	3.70	6.48	14.83	113.36



Archie Brown - General Manager

The attached instrument was acknowledged before me on the 31st day of December, 2014 by
Archie Brown - General Manager, CapStar Drilling, Inc.



Notary Public

