

**McVAY DRILLING COMPANY**

P.O. Box 2450
 Hobbs, New Mexico 88241
 (575) 397-3311
 FAX: 39-DRILL

30-015-38258

Well Name and Num: Phantom 18 St. 2H SL: 330' FSL 1280' FEL
 Location: Sec 18, T19S, R29E UL 0
 Operator: COG
 Drilling Contractor: McVay Drilling Company

The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

Degrees @	Depth	Degrees @	Depth	Degrees @	Depth	Degrees @	Depth
0.25	184	3.30	5789	1.23	8817	90.57	11628
0.40	355	2.89	5882	0.79	9005	87.85	11937
1.34	683	2.31	6007	1.58	8309	87.67	12060
1.28	1028	2.05	6131	9.41	8373	88.11	12376
0.82	1532	1.57	6256	26.82	8500	91.45	12639
0.66	2036	3.87	6602	52.23	8722	92.51	12946
1.06	2542	2.73	6682	61.29	8815	93.56	13056
0.50	2983	1.58	6993	70.70	8910		
1.07	3500	1.49	7334	77.82	9006		
2.29	4002	1.06	7583	85.35	9101		
2.05	4503	1.67	7771	91.01	9311		
2.38	4972	1.41	7961	89.16	9590		
2.99	5254	1.58	8056	90.31	9867		
2.82	5350	1.14	8151	89.96	10237		
3.22	5475	0.88	8246	91.10	10607		
2.93	5569	1.32	8437	89.43	10978		
3.26	5695	1.49	8532	91.82	11255		



By: [Signature]

Subscribed and sworn to before me this 31st day of January, 2011

[Signature]
 Notary Public, Lea County, New Mexico

