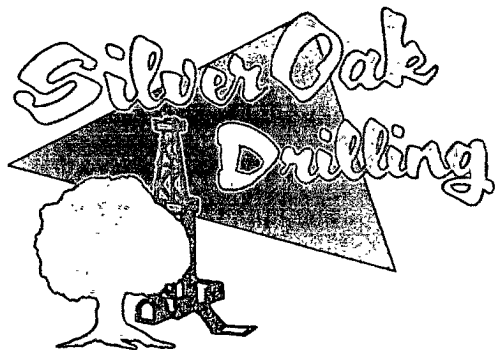




PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

30-015-39151

December 20, 2011

COG, LLC
Fasken Center, Tower II
550 West Texas Ave, Suite 1300
Midland, TX 79701

RE: Grave Digger State Com #3H
240' FNL & 1850' FEL
Sec. 2, T20S, R25E
Eddy County, New Mexico

Dear Sir,

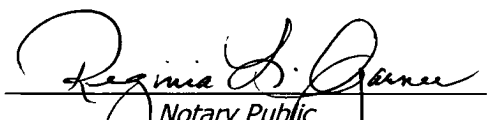
The attached is the Deviation Survey for the above captioned well.

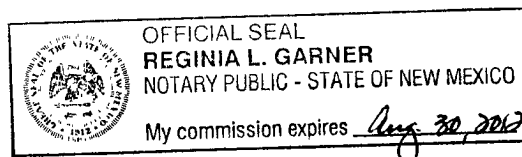
Very truly yours,


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 20th day of December, 2011.


Regina L. Garner
Notary Public



GRAVE DIGGER STATE COM #3H

Date	Depth	Deviation	Direction	TVD
12/3/2011	206	0.50		
12/3/2011	352	0.50		
12/3/2011	527	0.40		
12/3/2011	793	0.50		
12/5/2011	1032	0.30		
12/5/2011	1316	0.30		
12/5/2011	1813	0.10		
12/6/2011	2165	0.90	296.30	
12/6/2011	2197	2.00	208.10	
12/6/2011	2290	13.10	181.50	
12/7/2011	2384	22.70	182.10	
12/7/2011	2478	32.50	180.50	
12/7/2011	2570	42.50	178.90	
12/7/2011	3665	52.70	182.50	
12/7/2011	2696	57.00	180.30	
12/7/2011	2727	61.30	179.80	
12/7/2011	2758	65.50	180.10	
12/7/2011	2852	75.70	180.10	
12/7/2011	2883	79.10	179.80	
12/7/2011	2945	84.20	179.90	
12/8/2011	3039	89.30	78.40	
12/8/2011	3153	88.70	178.40	
12/8/2011	3220	90.30	179.10	
12/8/2011	3320	89.80	178.90	
12/8/2011	3593	89.40	178.40	
12/8/2011	3507	91.40	178.50	
12/8/2011	3600	91.70	179.50	
12/8/2011	3693	90.90	181.90	
12/8/2011	3787	90.40	181.20	
12/8/2011	3880	90.30	180.60	
12/8/2011	3974	90.20	180.50	
12/9/2011	4068	90.30	180.30	
12/9/2011	4161	90.00	180.10	
12/9/2011	4256	90.10	179.90	
12/9/2011	4349	90.20	179.60	
12/9/2011	4443	91.70	180.30	
12/11/2011	4537	92.10	180.30	
12/11/2011	4630	91.80	180.10	
12/11/2011	4724	91.60	180.30	
12/11/2011	4817	91.60	179.90	
12/11/2011	4911	91.50	179.90	
12/11/2011	5004	91.50	179.60	
12/12/2011	5191	91.40	179.40	

Date	Depth	Deviation	Direction	TVD
12/12/2011	5285	91.00	179.10	
12/12/2011	5379	90.80	179.20	
12/12/2011	5472	90.40	179.40	
12/12/2011	5566	91.50	179.10	
12/12/2011	5659	91.30	178.70	
12/12/2011	5753	90.60	180.10	
12/12/2011	5847	90.00	180.50	
12/13/2011	5941	89.80	179.90	
12/13/2011	6035	89.50	179.20	
12/13/2011	6128	90.50	180.10	
12/13/2011	6222	90.20	179.80	
12/13/2011	6316	89.40	179.20	
12/13/2011	6409	89.10	179.10	
12/13/2011	6503	87.80	180.10	
12/13/2011	6596	87.70	179.90	
12/14/2011	6690	87.90	179.80	
12/14/2011	6784	88.20	179.40	
12/14/2011	6877	89.20	179.40	
12/14/2011	6971	89.20	179.40	
12/14/2011	7064	89.30	179.10	
12/14/2011	7114	89.60	178.40	