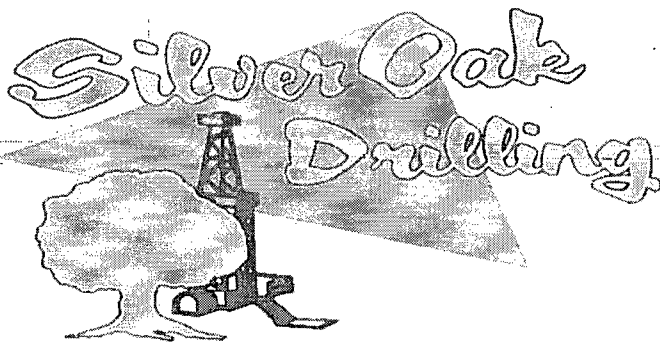




PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

30-015-37623

August 9, 2010

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

RE: Willow State #11
2310' FSL & 2310' FEL
Sec. 16, T17S, R31E
Eddy County, New Mexico

Dear Sir,

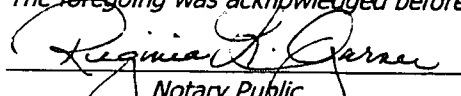
The attached is the Deviation Survey for the above captioned well.

Very truly yours,


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 9th day of August, 2010.


Regina L. Garner
Notary Public



Rec'd via email 5/2/13

Willow State #11

Date	Depth	Dev/Inc
7/28/2010	252	0.70
7/29/2010	514	1.20
7/30/2010	789	0.70
7/30/2010	1038	0.90
7/30/2010	1288	0.80
7/30/2010	1778	1.20
8/2/2010	2292	0.30
8/2/2010	2795	0.70
8/2/2010	3297	0.80
8/3/2010	3797	0.40
8/3/2010	4298	0.70
8/3/2010	4800	0.30
8/4/2010	5300	0.20
8/4/2010	5806	0.20
8/5/2010	6300	0.40
8/6/2010	6645	0.80