



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

September 10, 2010

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

30-015-37770

RE: Hatfield State #9  
2310' FSL & 330' FWL  
Sec. 8, T17S, R29E  
Eddy County, New Mexico

Dear Sir,

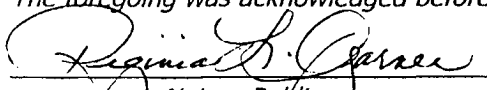
The attached is the Deviation Survey for the above captioned well.

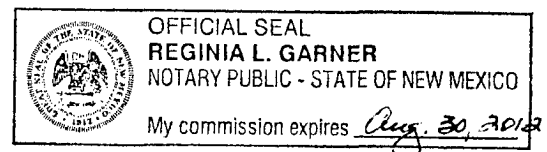
Very truly yours,

  
Eddie C. LaRue  
Operations Manager

State of New Mexico }  
County of Eddy }

The foregoing was acknowledged before me this 10<sup>th</sup> day of September, 2010.

  
Regina L. Garner  
Notary Public



Hatfield St #9

| Date      | Depth | Dev/Inc | Dir/AZ |
|-----------|-------|---------|--------|
| 8/22/2010 | 223   | 0.50    | 0.00   |
| 8/23/2010 | 493   | 0.50    | 0.00   |
| 8/23/2010 | 870   | 1.10    | 0.00   |
| 8/24/2010 | 1150  | 0.40    | 0.00   |
| 8/25/2010 | 1652  | 0.30    | 0.00   |
| 8/25/2010 | 2121  | 0.40    | 0.00   |
| 8/26/2010 | 2559  | 0.40    | 0.00   |
| 8/26/2010 | 3059  | 0.40    | 0.00   |
| 8/28/2010 | 3520  | 0.41    | 29.89  |
| 8/28/2010 | 3615  | 2.03    | 65.68  |
| 8/28/2010 | 3646  | 4.00    | 75.64  |
| 8/29/2010 | 3679  | 6.57    | 79.85  |
| 8/29/2010 | 3710  | 10.37   | 24.74  |
| 8/29/2010 | 3742  | 15.17   | 91.46  |
| 8/29/2010 | 3774  | 20.24   | 95.31  |
| 8/29/2010 | 3805  | 25.98   | 96.35  |
| 8/29/2010 | 3836  | 31.33   | 94.50  |
| 8/29/2010 | 3868  | 35.39   | 92.98  |
| 8/29/2010 | 3900  | 39.05   | 91.81  |
| 8/29/2010 | 3931  | 43.14   | 91.29  |
| 8/31/2010 | 3993  | 51.08   | 91.81  |
| 8/31/2010 | 4026  | 56.32   | 91.16  |
| 8/31/2010 | 4057  | 61.04   | 89.18  |
| 9/1/2010  | 4215  | 23.17   | 87.56  |
| 9/1/2010  | 4247  | 75.95   | 87.40  |
| 9/1/2010  | 4279  | 78.81   | 87.32  |
| 9/1/2010  | 4311  | 82.19   | 87.53  |
| 9/1/2010  | 4342  | 84.72   | 87.93  |
| 9/1/2010  | 4469  | 88.15   | 90.58  |
| 9/1/2010  | 4501  | 88.02   | 90.53  |
| 9/1/2010  | 4533  | 87.88   | 90.49  |
| 9/1/2010  | 4564  | 88.02   | 90.14  |
| 9/1/2010  | 4596  | 87.85   | 89.89  |
| 9/1/2010  | 4628  | 87.98   | 89.92  |
| 9/1/2010  | 4659  | 89.60   | 90.07  |
| 9/1/2010  | 4691  | 90.37   | 90.39  |
| 9/1/2010  | 4723  | 91.04   | 91.33  |
| 9/1/2010  | 4755  | 91.38   | 91.58  |
| 9/1/2010  | 4786  | 91.61   | 91.51  |
| 9/1/2010  | 4818  | 91.65   | 91.89  |
| 9/1/2010  | 4850  | 91.01   | 91.31  |
| 9/1/2010  | 4882  | 90.84   | 91.26  |
| 9/1/2010  | 4914  | 90.64   | 90.54  |
| 9/1/2010  | 4975  | 90.24   | 90.19  |
| 9/1/2010  | 4977  | 89.46   | 91.15  |
| 9/1/2010  | 5009  | 88.89   | 90.50  |
| 9/1/2010  | 5040  | 88.56   | 90.21  |
| 9/1/2010  | 5072  | 88.52   | 89.28  |
| 9/2/2010  | 5104  | 88.59   | 89.48  |
| 9/2/2010  | 5167  | 88.89   | 88.89  |

| Date     | Depth | Dev/Inc | Dir/AZ |
|----------|-------|---------|--------|
| 9/2/2010 | 5199  | 88.56   | 88.75  |
| 9/2/2010 | 5233  | 88.22   | 88.31  |
| 9/2/2010 | 5423  | 88.35   | 90.39  |
| 9/2/2010 | 5453  | 88.05   | 91.21  |
| 9/2/2010 | 5484  | 89.09   | 91.30  |
| 9/2/2010 | 5516  | 89.26   | 91.34  |
| 9/2/2010 | 5548  | 89.53   | 87.72  |
| 9/2/2010 | 5580  | 89.19   | 89.32  |
| 9/2/2010 | 5612  | 88.67   | 88.94  |
| 9/3/2010 | 5675  | 87.32   | 89.29  |
| 9/3/2010 | 5693  | 88.49   | 88.58  |
| 9/3/2010 | 5707  | 87.82   | 89.06  |
| 9/3/2010 | 5738  | 87.81   | 89.60  |
| 9/3/2010 | 8575  | 88.46   | 89.70  |