



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

April 18, 2017

COG, LLC  
One Concho Center  
600 W. Illinois Ave.  
Midland, TX 79701

RE: Burch Keely Unit 942H  
2285' FSL & 230' FEL  
Sec. 13, T17S, R30E  
Eddy County, New Mexico

30-015-44081

Dear Sir,

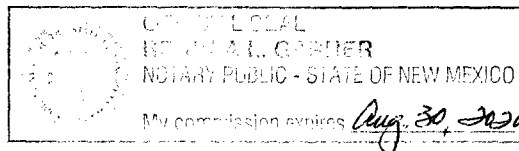
The attached is the Deviation Survey for the above captioned well.

Very truly yours,

Chris Graham  
Asst. Operations Manager

State of New Mexico }  
County of Eddy }

The foregoing was acknowledged before me this 18<sup>th</sup> day of April, 2017.

  
Notary Public

BURCH KEELY UNIT #942H

| Date     | Depth | Deviation | Direction | TVD  |
|----------|-------|-----------|-----------|------|
| 4/3/2017 | 227   | 0.50      | 0.00      | 0.00 |
| 4/4/2017 | 475   | 0.90      | 0.00      | 0.00 |
| 4/4/2017 | 713   | 0.60      | 0.00      | 0.00 |
| 4/4/2017 | 967   | 0.70      | 0.00      | 0.00 |
| 4/6/2017 | 1198  | 0.50      | 63.50     | 0.00 |
| 4/6/2017 | 1323  | 1.80      | 252.70    | 0.00 |
| 4/6/2017 | 1417  | 3.60      | 25.39     | 0.00 |
| 4/6/2017 | 1512  | 3.50      | 256.70    | 0.00 |
| 4/6/2017 | 1606  | 3.50      | 259.20    | 0.00 |
| 4/6/2017 | 1701  | 3.30      | 259.40    | 0.00 |
| 4/6/2017 | 1796  | 3.20      | 259.80    | 0.00 |
| 4/7/2017 | 2080  | 3.30      | 237.00    | 0.00 |
| 4/7/2017 | 2175  | 3.60      | 233.90    | 0.00 |
| 4/7/2017 | 2269  | 3.30      | 235.90    | 0.00 |
| 4/7/2017 | 2364  | 3.20      | 234.30    | 0.00 |
| 4/7/2017 | 2459  | 2.90      | 234.20    | 0.00 |
| 4/7/2017 | 2553  | 2.40      | 231.50    | 0.00 |
| 4/7/2017 | 2837  | 1.50      | 349.70    | 0.00 |
| 4/7/2017 | 2931  | 1.50      | 249.10    | 0.00 |
| 4/7/2017 | 3026  | 1.60      | 252.14    | 0.00 |
| 4/7/2017 | 3120  | 1.50      | 238.60    | 0.00 |
| 4/7/2017 | 3215  | 1.70      | 242.70    | 0.00 |
| 4/8/2017 | 3499  | 1.70      | 246.60    | 0.00 |
| 4/8/2017 | 3593  | 1.60      | 255.10    | 0.00 |
| 4/8/2017 | 3687  | 1.80      | 247.70    | 0.00 |
| 4/8/2017 | 3782  | 1.80      | 248.80    | 0.00 |
| 4/8/2017 | 3876  | 1.80      | 256.10    | 0.00 |
| 4/8/2017 | 3971  | 1.80      | 246.60    | 0.00 |
| 4/8/2017 | 4444  | 16.50     | 118.90    | 0.00 |
| 4/8/2017 | 4475  | 20.00     | 112.30    | 0.00 |
| 4/8/2017 | 4507  | 23.90     | 107.70    | 0.00 |
| 4/9/2017 | 4538  | 28.00     | 105.80    | 0.00 |
| 4/9/2017 | 4570  | 32.00     | 103.60    | 0.00 |
| 4/9/2017 | 4601  | 35.80     | 101.00    | 0.00 |
| 4/9/2017 | 4633  | 39.10     | 97.20     | 0.00 |
| 4/9/2017 | 4664  | 41.50     | 92.60     | 0.00 |
| 4/9/2017 | 4696  | 44.40     | 88.20     | 0.00 |
| 4/9/2017 | 5011  | 58.90     | 86.50     | 0.00 |
| 4/9/2017 | 5042  | 62.80     | 85.50     | 0.00 |
| 4/9/2017 | 5074  | 65.80     | 84.80     | 0.00 |
| 4/9/2017 | 5105  | 67.60     | 84.20     | 0.00 |
| 4/9/2017 | 5137  | 69.80     | 84.50     | 0.00 |
| 4/9/2017 | 5168  | 71.90     | 85.30     | 0.00 |

| Date      | Depth | Deviation | Direction | TVD     |
|-----------|-------|-----------|-----------|---------|
| 4/10/2017 | 5364  | 89.50     | 90.40     | 0.00    |
| 4/10/2017 | 5395  | 91.10     | 89.10     | 0.00    |
| 4/10/2017 | 5490  | 91.30     | 88.60     | 0.00    |
| 4/10/2017 | 5585  | 91.40     | 88.50     | 0.00    |
| 4/10/2017 | 5680  | 91.60     | 88.70     | 0.00    |
| 4/10/2017 | 5869  | 92.00     | 88.60     | 0.00    |
| 4/10/2017 | 5964  | 90.00     | 89.90     | 0.00    |
| 4/10/2017 | 6058  | 91.70     | 88.50     | 0.00    |
| 4/10/2017 | 6058  | 90.30     | 90.10     | 0.00    |
| 4/10/2017 | 6153  | 90.60     | 90.10     | 0.00    |
| 4/11/2017 | 6248  | 91.10     | 90.80     | 0.00    |
| 4/11/2017 | 6342  | 90.50     | 89.90     | 0.00    |
| 4/11/2017 | 6436  | 91.00     | 89.00     | 0.00    |
| 4/12/2017 | 6910  | 91.20     | 88.40     | 0.00    |
| 4/12/2017 | 7005  | 91.30     | 88.00     | 0.00    |
| 4/12/2017 | 7099  | 91.10     | 87.30     | 0.00    |
| 4/12/2017 | 7194  | 91.60     | 87.70     | 0.00    |
| 4/12/2017 | 7289  | 92.10     | 87.90     | 0.00    |
| 4/12/2017 | 7383  | 90.40     | 88.00     | 0.00    |
| 4/12/2017 | 7572  | 90.10     | 89.10     | 0.00    |
| 4/12/2017 | 7667  | 91.30     | 90.00     | 0.00    |
| 4/12/2017 | 7762  | 91.30     | 90.00     | 0.00    |
| 4/12/2017 | 7857  | 91.10     | 0.00      | 0.00    |
| 4/13/2017 | 8046  | 91.70     | 89.40     | 4898.56 |
| 4/13/2017 | 8141  | 92.00     | 89.50     | 4895.49 |
| 4/13/2017 | 8235  | 90.00     | 89.10     | 4893.85 |
| 4/13/2017 | 8330  | 90.50     | 89.30     | 4893.43 |
| 4/13/2017 | 8425  | 90.80     | 89.90     | 4892.30 |
| 4/13/2017 | 8519  | 91.40     | 90.20     | 4890.50 |
| 4/13/2017 | 8614  | 91.10     | 89.50     | 4888.40 |
| 4/13/2017 | 8709  | 90.70     | 88.80     | 4887.00 |
| 4/13/2017 | 8803  | 90.90     | 89.00     | 4885.00 |
| 4/14/2017 | 8898  | 91.30     | 89.00     | 4883.86 |
| 4/14/2017 | 8992  | 91.60     | 89.50     | 4881.48 |
| 4/14/2017 | 9087  | 91.90     | 89.50     | 4878.58 |
| 4/14/2017 | 9372  | 90.90     | 89.10     | 4871.20 |
| 4/14/2017 | 9466  | 91.20     | 89.30     | 4869.50 |
| 4/14/2017 | 9466  | 91.20     | 89.30     | 4869.50 |
| 4/14/2017 | 9561  | 91.50     | 89.20     | 4867.30 |
| 4/14/2017 | 9750  | 89.60     | 88.40     | 0.00    |
| 4/15/2017 | 9844  | 89.79     | 4867.66   | 0.00    |
| 4/15/2017 | 9876  | 89.90     | 88.20     | 4867.77 |

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