



NM OIL CONSERVATION

ARTESIA DISTRICT

JAN 23 2018

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## EOG Resources - Midland

Eddy County, NM (NAD 83 NME)

Buzz 21 State

#701H

OH

30-015- ~~4~~ 41469

Design: OH

PVA

09 January, 2017



EOG Resources, Inc.  
PVA

EOG Resources - Midland  
Eddy County, NM (NAD 83 NME)  
Buzz 21 State  
#701H  
OH  
OH

Well #701H  
KB = 25 @ 3261.0usft (H&P 651)  
KB = 25 @ 3261.0usft (H&P 651)  
Grid  
Minimum Curvature  
EDM 5000.1 Single User Db

Eddy County, NM (NAD 83 NME)

Map System: US State Plane 1983  
Geo Datum: North American Datum 1983  
Map Zone: New Mexico Eastern Zone

System Datum:

Mean Sea Level

Buzz 21 State

Site Position: From: Map  
Position Uncertainty: 0.0 usft  
Northing: 439,932.20 usft  
Easting: 586,247.90 usft  
Slot Radius: 13.3/16 "  
Latitude: 32° 12' 33.722 N  
Longitude: 104° 11' 17.249 W  
Grid Convergence: 0.08 °

#701H

Well Position +N/-S 0.0 usft  
+E/-W 0.0 usft  
Position Uncertainty 0.0 usft  
Northing: 439,932.20 usft  
Easting: 586,247.90 usft  
Wellhead Elevation: 0.0 usft  
Latitude: 32° 12' 33.722 N  
Longitude: 104° 11' 17.249 W  
Ground Level: 3,236.0 usft

OH

IGRF2015

12/27/2016

7.29

59.95

47.913

OH

Audit Notes: Version: 1.0  
Phase: ACTUAL  
Tie On Depth: 0.0

Vertical Section: Depth from (ft/d)  
N/S (usft) E/W (usft) 0.0 0.0 0.0 179.71



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Date 1/9/2017

150.0 491.0 gyro (OH)  
581.0 13.973.0 promwd #1 (OH)  
NSG-CT\_D/P  
MWD  
Continuous north-seeking gyro in drillpipe  
MWD - Standard

| From (usft) | To (usft) | Survey (MWD/DB) | NSG-CT_D/P | Description | Continuous north-seeking gyro in drillpipe | MWD - Standard |
|-------------|-----------|-----------------|------------|-------------|--------------------------------------------|----------------|
| 0.0         | 0.00      | 0.00            | 0.0        | 0.0         | 0.00                                       | 0.00           |
| 150.0       | 1.80      | 173.10          | 150.0      | -2.3        | 0.3                                        | 1.20           |
| 327.0       | 1.60      | 190.50          | 326.9      | -7.5        | 0.2                                        | 0.31           |
| 491.0       | 1.20      | 210.10          | 490.9      | -11.3       | -1.1                                       | 0.38           |
| 581.0       | 1.50      | 203.20          | 580.8      | -13.2       | -2.0                                       | 0.38           |
| 765.0       | 0.70      | 193.70          | 764.8      | -16.5       | -3.3                                       | 0.44           |
| 949.0       | 0.30      | 231.10          | 948.8      | -17.9       | -3.9                                       | 0.27           |
| 1,133.0     | 0.50      | 26.90           | 1,132.8    | -17.4       | -3.9                                       | 0.43           |
| 1,317.0     | 1.40      | 46.00           | 1,316.8    | -15.2       | -1.9                                       | 0.51           |
| 1,509.0     | 3.00      | 62.20           | 1,508.6    | -11.2       | 4.2                                        | 0.89           |
| 1,701.0     | 3.30      | 40.30           | 1,700.3    | -4.6        | 12.2                                       | 0.64           |
| 1,894.0     | 2.40      | 16.20           | 1,893.1    | 3.5         | 16.9                                       | 0.77           |
| 2,085.0     | 2.20      | 4.90            | 2,083.9    | 11.0        | 18.4                                       | 0.26           |
| 2,277.0     | 1.90      | 350.00          | 2,275.8    | 17.8        | 18.1                                       | 0.32           |
| 2,468.0     | 3.30      | 358.10          | 2,466.6    | 26.4        | 17.4                                       | 0.76           |
| 2,661.0     | 3.50      | 354.00          | 2,659.3    | 37.8        | 16.6                                       | 0.16           |
| 2,853.0     | 3.70      | 353.80          | 2,850.9    | 49.8        | 15.3                                       | 0.10           |
| 3,045.0     | 3.50      | 353.00          | 3,042.5    | 61.8        | 13.9                                       | 0.11           |
| 3,237.0     | 3.40      | 351.80          | 3,234.2    | 73.2        | 12.4                                       | 0.06           |
| 3,428.0     | 3.80      | 356.40          | 3,424.8    | 85.1        | 11.2                                       | 0.26           |
| 3,620.0     | 3.50      | 359.00          | 3,616.4    | 97.3        | 10.7                                       | 0.18           |



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EDM 5000.1 Single User Db

| NO      | INC  | FZ     | YTD     | NS    | STV  | RSO  | SHG   | UM     | HTD   | HTD  | HTD  |
|---------|------|--------|---------|-------|------|------|-------|--------|-------|------|------|
| 3.812.0 | 3.50 | 357.60 | 3,808.0 | 109.1 | 10.3 | 0.04 | 0.00  | -0.73  | 0.0   | 0.0  | 0.0  |
| 4.005.0 | 3.70 | 358.10 | 4,000.7 | 121.2 | 9.9  | 0.10 | 0.10  | 0.26   | 0.0   | 0.0  | 0.0  |
| 4.198.0 | 3.10 | 352.90 | 4,193.3 | 132.6 | 9.0  | 0.35 | -0.31 | -2.69  | 0.0   | 0.0  | 0.0  |
| 4.390.0 | 3.00 | 348.20 | 4,385.1 | 142.6 | 7.4  | 0.14 | -0.05 | -2.45  | 0.0   | 0.0  | 0.0  |
| 4.582.0 | 2.70 | 347.60 | 4,576.8 | 152.0 | 5.4  | 0.16 | -0.16 | -0.31  | 0.0   | 0.0  | 0.0  |
| 4.774.0 | 2.40 | 342.40 | 4,768.6 | 160.2 | 3.2  | 0.20 | -0.16 | -2.71  | 0.0   | 0.0  | 0.0  |
| 4.966.0 | 1.60 | 356.40 | 4,960.5 | 166.7 | 1.8  | 0.49 | -0.42 | 7.29   | 0.0   | 0.0  | 0.0  |
| 5.158.0 | 1.40 | 2.60   | 5,152.4 | 171.8 | 1.7  | 0.13 | -0.10 | 3.23   | 0.0   | 0.0  | 0.0  |
| 5.351.0 | 0.50 | 358.50 | 5,345.4 | 175.0 | 1.8  | 0.47 | -0.47 | -2.12  | 0.0   | 0.0  | 0.0  |
| 5.543.0 | 0.50 | 10.90  | 5,537.4 | 176.6 | 2.0  | 0.06 | 0.00  | 6.46   | 0.0   | 0.0  | 0.0  |
| 5.735.0 | 0.10 | 17.00  | 5,729.4 | 177.6 | 2.2  | 0.21 | -0.21 | 3.18   | 0.0   | 0.0  | 0.0  |
| 5.928.0 | 0.50 | 188.90 | 5,922.4 | 176.9 | 2.1  | 0.31 | 0.21  | 89.07  | 0.0   | 0.0  | 0.0  |
| 6.120.0 | 0.40 | 289.80 | 6,114.4 | 176.3 | 1.3  | 0.36 | -0.05 | 52.55  | 0.0   | 0.0  | 0.0  |
| 6.312.0 | 0.20 | 12.80  | 6,306.4 | 176.9 | 0.8  | 0.22 | -0.10 | 43.23  | 0.0   | 0.0  | 0.0  |
| 6.504.0 | 0.70 | 80.90  | 6,498.4 | 177.4 | 2.0  | 0.34 | 0.26  | 35.47  | -1.4  | 0.4  | 0.4  |
| 6.695.0 | 0.30 | 130.50 | 6,689.4 | 177.2 | 3.5  | 0.29 | -0.21 | 25.97  | -1.6  | 2.9  | 2.9  |
| 6.887.0 | 0.80 | 210.80 | 6,881.4 | 175.8 | 3.2  | 0.42 | 0.26  | 41.82  | 1.8   | 2.4  | 2.4  |
| 7.078.0 | 0.60 | 197.10 | 7,072.4 | 173.7 | 2.3  | 0.14 | -0.10 | -7.17  | -0.5  | 2.4  | 2.4  |
| 7.270.0 | 0.50 | 267.60 | 7,264.4 | 172.7 | 1.1  | 0.33 | -0.05 | 36.72  | 1.2   | 1.6  | 1.6  |
| 7.463.0 | 0.40 | 297.70 | 7,457.3 | 173.0 | -0.3 | 0.13 | -0.05 | 15.60  | 0.3   | 0.5  | 0.5  |
| 7.654.0 | 0.40 | 282.60 | 7,648.3 | 173.4 | -1.6 | 0.06 | 0.00  | -7.91  | -1.1  | -0.3 | -0.3 |
| 7.846.0 | 0.50 | 241.10 | 7,840.3 | 173.1 | -2.9 | 0.17 | 0.05  | -21.61 | -1.5  | -1.8 | -1.8 |
| 8.037.0 | 1.10 | 221.20 | 8,031.3 | 171.4 | -4.9 | 0.34 | 0.31  | -10.42 | -2.8  | -2.7 | -2.7 |
| 8.229.0 | 1.50 | 155.30 | 8,223.3 | 167.7 | -5.0 | 0.76 | 0.21  | -34.32 | -1.4  | -4.9 | -4.9 |
| 8.421.0 | 1.80 | 164.30 | 8,415.2 | 162.5 | -3.2 | 0.21 | 0.16  | 4.69   | -7.1  | -3.8 | -3.8 |
| 8.547.0 | 1.60 | 180.90 | 8,541.1 | 158.8 | -2.7 | 0.42 | -0.16 | 13.17  | -11.1 | -0.9 | -0.9 |
| 8.642.0 | 9.00 | 186.30 | 8,635.7 | 150.1 | -3.5 | 7.80 | 7.79  | 5.68   | -16.2 | -0.2 | -0.2 |



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[illegible]





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Minimum Curvature  
EDM 5000.1 Single User Db

[illegible]



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|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Company:<br>EOG Resources - Midland<br>Eddy County, NM (NAD 83 NME)<br>Buzz 21 State<br>#701H<br>OH<br>OH | Well #701H<br>KB = 25 @ 3261.0usft (H&P 651)<br>KB = 25 @ 3261.0usft (H&P 651)<br>Grid<br>Minimum Curvature<br>EDM 5000.1 Single User Db |
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|                   |                    |             |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|