

## Results of Directional Survey

|             |              |           |                             |
|-------------|--------------|-----------|-----------------------------|
| API number: | 30-025-41085 |           |                             |
| OGRID:      |              | Operator: | EOG RESOURCES INC           |
|             |              | Property: | ENDURANCE 36 STATE COM # 5H |

|         |        |   |    |     |     |      |     |      |
|---------|--------|---|----|-----|-----|------|-----|------|
| surface | ULSTR: | F | 36 | T   | 26S | R    | 33E | 2508 |
|         |        |   |    | 330 | FSL | 1790 | FWL |      |

|        |        |        |     |      |     |      |     |
|--------|--------|--------|-----|------|-----|------|-----|
| BH Loc | ULSTR: | C      | 25  | T    | 26S | R    | 33E |
| 16931  | MD     | 9656.7 | TVD | 250  | FNL | 1646 | FWL |
|        |        |        |     | 7538 | FSL | 1646 | FWL |

|             |        |        |     |     |     |      |     |
|-------------|--------|--------|-----|-----|-----|------|-----|
| Top Perf/OH | ULSTR: | F      | 36  | T   | 26S | R    | 33E |
| 9865        | MD     | 9681.0 | TVD | 504 | FSL | 1689 | FWL |

|             |        |        |     |      |     |      |     |
|-------------|--------|--------|-----|------|-----|------|-----|
| Bot Perf/OH | ULSTR: | C      | 25  | T    | 26S | R    | 33E |
| 16830       | MD     | 9659.8 | TVD | 351  | FNL | 1649 | FWL |
|             |        |        |     | 7437 | FSL | 1649 | FWL |

|              |         |         |         |         |
|--------------|---------|---------|---------|---------|
|              | MD      | N/S     | E/W     | VD      |
|              | 9860    | 143.10  | -83.70  | 9669.7  |
| TOP PERFS/OH | 9865    | 174.21  | -100.91 | 9680.97 |
|              | 9753    | -522.66 | 284.59  | 9428.49 |
|              | 16699   | 6976.30 | -138.40 | 9664.00 |
| BOT PERFS/OH | 16830   | 7107.21 | -141.31 | 9659.81 |
|              | 16852.1 | 7129.30 | -141.80 | 9659.10 |

|              |         |         |         |         |
|--------------|---------|---------|---------|---------|
| NEXT TO LAST | 16852.1 | 7129.30 | -141.80 | 9659.10 |
| LAST READING | 16931   | 7208.10 | -143.60 | 9656.70 |
| TD           | 16931   | 7208.10 | -143.60 | 9656.70 |

|                  |      |    |      |    |
|------------------|------|----|------|----|
| Surface Location | 330  | FS | 1790 | FW |
| Projected BHL    | 7538 | FS | 1646 | FW |
| Location of      |      |    |      |    |
| Top Perfs/OH     | 504  | FS | 1689 | FW |
| Bottom Perfs/OH  | 7437 | FS | 1649 | FW |

### SUMMARY of Subsurface Locations

|                  |              |      |    |      |    |             |
|------------------|--------------|------|----|------|----|-------------|
| Surface Location | F-36-26S-33E | 330  | FS | 1790 | FW | Vert. Depth |
|                  |              |      |    |      |    |             |
| Top Perfs/OH     | F-36-26S-33E | 504  | FS | 1689 | FW | 9680.97     |
| Bottom Perfs/OH  | C-25-26S-33E | 7437 | FS | 1649 | FW | 9659.81     |
|                  |              |      |    |      |    |             |
| Projected TD     | C-25-26S-33E | 7538 | FS | 1646 | FW | 9656.70     |

MAR 12 2015



## **EOG Resources - Midland**

Lea County, NM (NAD 27 NME)

Endurance 36 State Com

Endurance 36 State Com #5H

OH

Design: OH

## **EOG PVA**

08 July, 2014

HOBBS OCD

OCT 09 2014

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# EOG Resources, Inc.

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|                  |                             |                                     |                                       |
|------------------|-----------------------------|-------------------------------------|---------------------------------------|
| <b>Company:</b>  | EOG Resources - Midland     | <b>Local Co-ordinate Reference:</b> | Well Endurance 36 State Com #5H       |
| <b>Project:</b>  | Lea County, NM (NAD 27 NME) | <b>TVD Reference:</b>               | WELL @ 3359.0usft (3334' GL + 25' KB) |
| <b>Site:</b>     | Endurance 36 State Com      | <b>MD Reference:</b>                | WELL @ 3359.0usft (3334' GL + 25' KB) |
| <b>Well:</b>     | Endurance 36 State Com #5H  | <b>North Reference:</b>             | Grid                                  |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | EDM 5000.1 Single User Db             |

|                    |                                      |                      |                |
|--------------------|--------------------------------------|----------------------|----------------|
| <b>Project</b>     | Lea County, NM (NAD 27 NME)          |                      |                |
| <b>Map System:</b> | US State Plane 1927 (Exact solution) | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | NAD 1927 (NADCON CONUS)              |                      |                |
| <b>Map Zone:</b>   | New Mexico East 3001                 |                      |                |

|                              |                        |                          |                   |
|------------------------------|------------------------|--------------------------|-------------------|
| <b>Site</b>                  | Endurance 36 State Com |                          |                   |
| <b>Site Position:</b>        |                        | <b>Northing:</b>         | 365,036.00 usft   |
| <b>From:</b>                 | Map                    | <b>Easting:</b>          | 749,506.00 usft   |
| <b>Position Uncertainty:</b> | 0.0 usft               | <b>Slot Radius:</b>      | 13-3/16 "         |
|                              |                        | <b>Latitude:</b>         | 32° 0' 3.760 N    |
|                              |                        | <b>Longitude:</b>        | 103° 31' 42.470 W |
|                              |                        | <b>Grid Convergence:</b> | 0.43 °            |

|                      |                            |          |                     |                 |               |                   |
|----------------------|----------------------------|----------|---------------------|-----------------|---------------|-------------------|
| Well                 | Endurance 36 State Com #5H |          |                     |                 |               |                   |
| Well Position        | +N/-S                      | 0.0 usft | Northing:           | 365,036.00 usft | Latitude:     | 32° 0' 3.757 N    |
|                      | +E/-W                      | 0.0 usft | Easting:            | 749,536.00 usft | Longitude:    | 103° 31' 42.122 W |
| Position Uncertainty |                            | 0.0 usft | Wellhead Elevation: | usft            | Ground Level: | 3,334.0 usft      |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | OH                |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF201014        | 5/21/2014          | 7.19                   | 59.91                | 48,194                     |

|                          |                                |                     |                     |                          |
|--------------------------|--------------------------------|---------------------|---------------------|--------------------------|
| <b>Design</b>            | OH                             |                     |                     |                          |
| <b>Audit Notes:</b>      |                                |                     |                     |                          |
| <b>Version:</b>          | 1.0                            | <b>Phase:</b>       | ACTUAL              | <b>Tie On Depth:</b> 0.0 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Direction (°)</b>     |
|                          | 0.0                            | 0.0                 | 0.0                 | 358.57                   |

|                       |                      |                          |                  |                    |
|-----------------------|----------------------|--------------------------|------------------|--------------------|
| <b>Survey Program</b> | <b>Date</b> 7/8/2014 |                          |                  |                    |
| <b>From (usft)</b>    | <b>To (usft)</b>     | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b> |
| 152.0                 | 16,931.0             | DrillTech MWD #1 (OH)    | MWD              | MWD - Standard     |



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|           |                             |                              |                                       |
|-----------|-----------------------------|------------------------------|---------------------------------------|
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| Project:  | Lea County, NM (NAD 27 NME) | TVD Reference:               | WELL @ 3359.0usft (3334' GL + 25' KB) |
| Site:     | Endurance 36 State Com      | MD Reference:                | WELL @ 3359.0usft (3334' GL + 25' KB) |
| Well:     | Endurance 36 State Com #5H  | North Reference:             | Grid                                  |
| Wellbore: | OH                          | Survey Calculation Method:   | Minimum Curvature                     |
| Design:   | OH                          | Database:                    | EDM 5000.1 Single User Db             |

| Survey       |            |                          |               |               |               |                     |                      |                     |                        |                         |
|--------------|------------|--------------------------|---------------|---------------|---------------|---------------------|----------------------|---------------------|------------------------|-------------------------|
| MD<br>(usft) | Inc<br>(°) | Azi<br>(grid_north_azim) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |
| 0.0          | 0.00       | 0.00                     | 0.0           | 0.0           | 0.0           | 0.00                | 0.00                 | 0.00                | 0.0                    | 0.0                     |
| 152.0        | 0.70       | 147.40                   | 152.0         | -0.8          | 0.5           | 0.46                | 0.46                 | 0.00                | -0.9                   | 0.0                     |
| 277.0        | 0.50       | 123.10                   | 277.0         | -1.7          | 1.4           | 0.26                | -0.16                | -19.44              | -2.1                   | -0.7                    |
| 367.0        | 0.70       | 153.00                   | 367.0         | -2.4          | 1.9           | 0.41                | 0.22                 | 33.22               | -3.0                   | 0.6                     |
| 459.0        | 0.70       | 159.00                   | 459.0         | -3.5          | 2.4           | 0.08                | 0.00                 | 6.52                | -4.1                   | 1.0                     |
| 553.0        | 0.70       | 160.70                   | 553.0         | -4.5          | 2.8           | 0.02                | 0.00                 | 1.81                | -5.2                   | 1.1                     |
| 646.0        | 1.20       | 174.30                   | 646.0         | -6.0          | 3.1           | 0.59                | 0.54                 | 14.62               | -6.3                   | 2.5                     |
| 737.0        | 1.40       | 188.20                   | 736.9         | -8.1          | 3.0           | 0.41                | 0.22                 | 15.27               | -7.6                   | 4.1                     |
| 830.0        | 1.40       | 191.30                   | 829.9         | -10.3         | 2.6           | 0.08                | 0.00                 | 3.33                | -9.6                   | 4.6                     |
| 1,004.0      | 2.30       | 178.70                   | 1,003.8       | -15.9         | 2.3           | 0.56                | 0.52                 | -7.24               | -15.1                  | 2.3                     |
| 1,130.0      | 2.10       | 220.50                   | 1,129.7       | -20.2         | 0.9           | 1.25                | -0.16                | 33.17               | -10.5                  | 12.4                    |
| 1,224.0      | 1.90       | 220.50                   | 1,223.7       | -22.7         | -1.3          | 0.21                | -0.21                | 0.00                | -10.6                  | 11.3                    |
| 1,319.0      | 1.80       | 221.60                   | 1,318.6       | -25.0         | -3.3          | 0.11                | -0.11                | 1.16                | -10.3                  | 10.5                    |
| 1,414.0      | 2.30       | 199.80                   | 1,413.6       | -27.9         | -4.9          | 0.97                | 0.53                 | -22.95              | -13.5                  | 5.5                     |
| 1,508.0      | 2.60       | 199.60                   | 1,507.5       | -31.7         | -6.3          | 0.32                | 0.32                 | -0.21               | -14.2                  | 5.6                     |
| 1,602.0      | 2.10       | 201.30                   | 1,601.4       | -35.3         | -7.6          | 0.54                | -0.53                | 1.81                | -14.6                  | 6.2                     |
| 1,697.0      | 2.10       | 196.40                   | 1,696.3       | -38.6         | -8.7          | 0.19                | 0.00                 | -5.16               | -15.3                  | 5.1                     |
| 1,791.0      | 2.30       | 196.80                   | 1,790.3       | -42.0         | -9.8          | 0.21                | 0.21                 | 0.43                | -15.6                  | 5.6                     |
| 1,886.0      | 2.30       | 191.00                   | 1,885.2       | -45.7         | -10.7         | 0.24                | 0.00                 | -6.11               | -16.6                  | 4.4                     |
| 1,981.0      | 1.90       | 192.20                   | 1,980.1       | -49.2         | -11.4         | 0.42                | -0.42                | 1.26                | -16.8                  | 5.4                     |
| 2,075.0      | 1.80       | 184.10                   | 2,074.1       | -52.1         | -11.8         | 0.30                | -0.11                | -8.62               | -17.3                  | 3.8                     |
| 2,170.0      | 2.60       | 200.30                   | 2,169.0       | -55.7         | -12.7         | 1.06                | 0.84                 | 17.05               | -15.8                  | 9.0                     |
| 2,264.0      | 3.20       | 198.00                   | 2,262.9       | -60.2         | -14.2         | 0.65                | 0.64                 | -2.45               | -17.6                  | 8.6                     |
| 2,358.0      | 2.30       | 206.80                   | 2,356.8       | -64.3         | -15.9         | 1.05                | -0.96                | 9.36                | -17.3                  | 11.3                    |
| 2,453.0      | 1.90       | 198.00                   | 2,451.7       | -67.5         | -17.2         | 0.54                | -0.42                | -9.26               | -19.0                  | 8.5                     |
| 2,548.0      | 2.10       | 190.80                   | 2,546.7       | -70.7         | -18.0         | 0.34                | 0.21                 | -7.58               | -20.0                  | 6.5                     |
| 2,642.0      | 1.60       | 198.70                   | 2,640.6       | -73.7         | -18.8         | 0.60                | -0.53                | 8.40                | -18.6                  | 9.7                     |



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|                  |                             |                                     |                                       |
|------------------|-----------------------------|-------------------------------------|---------------------------------------|
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| <b>Project:</b>  | Lea County, NM (NAD 27 NME) | <b>TVD Reference:</b>               | WELL @ 3359.0usft (3334' GL + 25' KB) |
| <b>Site:</b>     | Endurance 36 State Com      | <b>MD Reference:</b>                | WELL @ 3359.0usft (3334' GL + 25' KB) |
| <b>Well:</b>     | Endurance 36 State Com #5H  | <b>North Reference:</b>             | Grid                                  |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | EDM 5000.1 Single User Db             |

| Survey       |            |                          |               |               |               |                     |                      |                     |                        |                         |  |
|--------------|------------|--------------------------|---------------|---------------|---------------|---------------------|----------------------|---------------------|------------------------|-------------------------|--|
| MD<br>(usft) | Inc<br>(°) | Azi<br>(grid_north_azim) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |  |
| 2,737.0      | 1.40       | 193.60                   | 2,735.6       | -76.1         | -19.5         | 0.25                | -0.21                | -5.37               | -18.6                  | 8.4                     |  |
| 2,831.0      | 1.40       | 188.50                   | 2,829.5       | -78.3         | -19.9         | 0.13                | 0.00                 | -5.43               | -18.4                  | 7.4                     |  |
| 2,926.0      | 1.20       | 163.90                   | 2,924.5       | -80.4         | -19.8         | 0.62                | -0.21                | -25.89              | -19.3                  | 0.6                     |  |
| 3,021.0      | 1.20       | 142.10                   | 3,019.5       | -82.2         | -18.9         | 0.48                | 0.00                 | -22.95              | -18.4                  | -4.0                    |  |
| 3,115.0      | 1.20       | 130.30                   | 3,113.5       | -83.6         | -17.6         | 0.26                | 0.00                 | -12.55              | -18.1                  | -4.8                    |  |
| 3,210.0      | 1.40       | 118.00                   | 3,208.5       | -84.8         | -15.8         | 0.36                | 0.21                 | -12.95              | -18.5                  | -5.5                    |  |
| 3,305.0      | 1.40       | 147.70                   | 3,303.4       | -86.3         | -14.2         | 0.76                | 0.00                 | 31.26               | -19.0                  | 7.7                     |  |
| 3,399.0      | 1.40       | 178.10                   | 3,397.4       | -88.4         | -13.5         | 0.78                | 0.00                 | 32.34               | -11.7                  | 18.2                    |  |
| 3,494.0      | 1.60       | 188.20                   | 3,492.4       | -90.9         | -13.7         | 0.35                | 0.21                 | 10.63               | -7.6                   | 21.0                    |  |
| 3,588.0      | 1.40       | 191.90                   | 3,586.3       | -93.3         | -14.1         | 0.24                | -0.21                | 3.94                | -5.4                   | 22.1                    |  |
| 3,683.0      | 1.20       | 188.20                   | 3,681.3       | -95.4         | -14.5         | 0.23                | -0.21                | -3.89               | -5.8                   | 22.5                    |  |
| 3,777.0      | 1.10       | 176.70                   | 3,775.3       | -97.3         | -14.5         | 0.27                | -0.11                | -12.23              | -9.1                   | 22.1                    |  |
| 3,871.0      | 1.10       | 130.70                   | 3,869.3       | -98.8         | -13.8         | 0.91                | 0.00                 | -48.94              | -22.7                  | 11.3                    |  |
| 3,965.0      | 1.60       | 88.10                    | 3,963.3       | -99.3         | -11.8         | 1.16                | 0.53                 | -45.32              | -27.7                  | -4.7                    |  |
| 4,060.0      | 1.10       | 76.70                    | 4,058.2       | -99.1         | -9.6          | 0.59                | -0.53                | -12.00              | -30.4                  | -7.6                    |  |
| 4,154.0      | 1.60       | 63.70                    | 4,152.2       | -98.3         | -7.5          | 0.62                | 0.53                 | -13.83              | -32.6                  | -12.3                   |  |
| 4,249.0      | 0.40       | 3.10                     | 4,247.2       | -97.4         | -6.3          | 1.52                | -1.26                | -63.79              | -9.3                   | -36.7                   |  |
| 4,343.0      | 1.40       | 256.20                   | 4,341.2       | -97.3         | -7.4          | 1.66                | 1.06                 | -113.72             | 38.7                   | -1.2                    |  |
| 4,438.0      | 2.10       | 242.30                   | 4,436.1       | -98.4         | -10.1         | 0.86                | 0.74                 | -14.63              | 37.5                   | 5.7                     |  |
| 4,532.0      | 1.90       | 238.40                   | 4,530.1       | -100.0        | -13.0         | 0.26                | -0.21                | -4.15               | 36.5                   | 6.2                     |  |
| 4,626.0      | 0.40       | 209.80                   | 4,624.1       | -101.1        | -14.4         | 1.66                | -1.60                | -30.43              | 30.6                   | 21.7                    |  |
| 4,720.0      | 0.90       | 262.70                   | 4,718.0       | -101.5        | -15.3         | 0.78                | 0.53                 | 56.28               | 36.5                   | -13.9                   |  |
| 4,814.0      | 0.70       | 205.70                   | 4,812.0       | -102.1        | -16.3         | 0.83                | -0.21                | -60.64              | 33.8                   | 22.2                    |  |
| 4,909.0      | 1.80       | 179.60                   | 4,907.0       | -104.1        | -16.6         | 1.27                | 1.16                 | -27.47              | 21.6                   | 35.9                    |  |
| 5,003.0      | 2.50       | 184.30                   | 5,001.0       | -107.6        | -16.7         | 0.77                | 0.74                 | 5.00                | 24.1                   | 35.1                    |  |
| 5,143.0      | 1.60       | 176.70                   | 5,140.9       | -112.6        | -16.8         | 0.67                | -0.64                | -5.43               | 18.7                   | 39.7                    |  |
| 5,237.0      | 1.40       | 183.40                   | 5,234.8       | -115.1        | -16.8         | 0.28                | -0.21                | 7.13                | 23.8                   | 38.5                    |  |



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| <b>Site:</b>     | Endurance 36 State Com      | <b>MD Reference:</b>                | WELL @ 3359.0usft (3334' GL + 25' KB) |
| <b>Well:</b>     | Endurance 36 State Com #5H  | <b>North Reference:</b>             | Grid                                  |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | EDM 5000.1 Single User Db             |

| Survey       |            |                          |               |               |               |                     |                      |                     |                        |                         |
|--------------|------------|--------------------------|---------------|---------------|---------------|---------------------|----------------------|---------------------|------------------------|-------------------------|
| MD<br>(usft) | Inc<br>(°) | Azi<br>(grid_north_azim) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |
| 5,427.0      | 1.20       | 160.20                   | 5,424.8       | -119.3        | -16.3         | 0.29                | -0.11                | -12.21              | 8.1                    | 48.9                    |
| 5,521.0      | 1.40       | 159.70                   | 5,518.8       | -121.3        | -15.5         | 0.21                | 0.21                 | -0.53               | 8.2                    | 51.5                    |
| 5,615.0      | 1.20       | 181.30                   | 5,612.7       | -123.3        | -15.2         | 0.56                | -0.21                | 22.98               | 28.1                   | 46.7                    |
| 5,710.0      | 0.90       | 184.30                   | 5,707.7       | -125.1        | -15.3         | 0.32                | -0.32                | 3.16                | 32.3                   | 46.4                    |
| 5,805.0      | 2.50       | 204.00                   | 5,802.7       | -127.7        | -16.2         | 1.77                | 1.68                 | 20.74               | 47.1                   | 33.0                    |
| 5,899.0      | 2.30       | 209.40                   | 5,896.6       | -131.2        | -17.9         | 0.32                | -0.21                | 5.74                | 49.8                   | 28.2                    |
| 5,993.0      | 2.30       | 208.60                   | 5,990.5       | -134.5        | -19.7         | 0.03                | 0.00                 | -0.85               | 49.4                   | 28.5                    |
| 6,182.0      | 2.30       | 202.80                   | 6,179.4       | -141.4        | -23.0         | 0.12                | 0.00                 | -3.07               | 46.2                   | 32.9                    |
| 6,276.0      | 2.30       | 204.00                   | 6,273.3       | -144.8        | -24.5         | 0.05                | 0.00                 | 1.28                | 46.9                   | 31.9                    |
| 6,371.0      | 1.90       | 213.10                   | 6,368.2       | -147.9        | -26.2         | 0.55                | -0.42                | 9.58                | 51.6                   | 23.7                    |
| 6,465.0      | 2.10       | 215.90                   | 6,462.2       | -150.6        | -28.0         | 0.24                | 0.21                 | 2.98                | 53.1                   | 20.4                    |
| 6,559.0      | 2.30       | 205.90                   | 6,556.1       | -153.7        | -29.9         | 0.46                | 0.21                 | -10.64              | 48.9                   | 28.8                    |
| 6,654.0      | 2.30       | 208.40                   | 6,651.0       | -157.1        | -31.6         | 0.11                | 0.00                 | 2.63                | 50.1                   | 26.4                    |
| 6,748.0      | 1.80       | 213.50                   | 6,745.0       | -160.0        | -33.3         | 0.57                | -0.53                | 5.43                | 52.6                   | 21.3                    |
| 6,842.0      | 1.80       | 205.70                   | 6,838.9       | -162.5        | -34.8         | 0.26                | 0.00                 | -8.30               | 50.0                   | 27.9                    |
| 6,936.0      | 1.90       | 204.00                   | 6,932.9       | -165.3        | -36.0         | 0.12                | 0.11                 | -1.81               | 49.9                   | 29.2                    |
| 7,031.0      | 1.80       | 206.80                   | 7,027.8       | -168.0        | -37.3         | 0.14                | -0.11                | 2.95                | 51.9                   | 26.6                    |
| 7,125.0      | 1.90       | 200.80                   | 7,121.8       | -170.8        | -38.6         | 0.23                | 0.11                 | -6.38               | 49.6                   | 31.8                    |
| 7,219.0      | 1.90       | 210.00                   | 7,215.7       | -173.6        | -39.9         | 0.32                | 0.00                 | 9.79                | 54.7                   | 23.3                    |
| 7,314.0      | 2.60       | 210.80                   | 7,310.6       | -176.8        | -41.8         | 0.74                | 0.74                 | 0.84                | 55.0                   | 22.0                    |
| 7,408.0      | 2.60       | 213.10                   | 7,404.5       | -180.5        | -44.0         | 0.11                | 0.00                 | 2.45                | 55.3                   | 19.2                    |
| 7,502.0      | 2.60       | 205.40                   | 7,498.4       | -184.2        | -46.1         | 0.37                | 0.00                 | -8.19               | 51.7                   | 26.0                    |
| 7,597.0      | 3.00       | 211.40                   | 7,593.3       | -188.2        | -48.3         | 0.52                | 0.42                 | 6.32                | 53.3                   | 20.1                    |
| 7,692.0      | 3.00       | 210.10                   | 7,688.2       | -192.5        | -50.9         | 0.07                | 0.00                 | -1.37               | 51.6                   | 20.8                    |
| 7,786.0      | 2.60       | 210.50                   | 7,782.1       | -196.5        | -53.2         | 0.43                | -0.43                | 0.43                | 50.9                   | 19.9                    |
| 7,976.0      | 2.80       | 202.20                   | 7,971.9       | -204.5        | -57.1         | 0.23                | 0.11                 | -4.37               | 46.2                   | 26.5                    |
| 8,070.0      | 2.80       | 197.10                   | 8,065.8       | -208.8        | -58.7         | 0.26                | 0.00                 | -5.43               | 42.8                   | 30.7                    |



EOG Resources, Inc.  
EOG PVA

Company: EOG Resources - Midland  
Project: Lea County, NM (NAD 27 NME)  
Site: Endurance 36 State Com  
Well: Endurance 36 State Com #5H  
Wellbore: OH  
Design: OH

Local Co-ordinate Reference: Well Endurance 36 State Com #5H  
TVD Reference: WELL @ 3359.0usft (3334' GL + 25' KB)  
MD Reference: WELL @ 3359.0usft (3334' GL + 25' KB)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Database: EDM 5000.1 Single User Db

| Survey                                                                |            |                          |               |               |               |                     |                      |                     |                        |                         |  |
|-----------------------------------------------------------------------|------------|--------------------------|---------------|---------------|---------------|---------------------|----------------------|---------------------|------------------------|-------------------------|--|
| MD<br>(usft)                                                          | Inc<br>(°) | Azi<br>(grid_north_azim) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |  |
| 8,164.0                                                               | 4.00       | 212.40                   | 8,159.6       | -213.8        | -61.1         | 1.59                | 1.28                 | 16.28               | 47.6                   | 18.3                    |  |
| 8,259.0                                                               | 3.90       | 211.40                   | 8,254.4       | -219.3        | -64.6         | 0.13                | -0.11                | -1.05               | 44.4                   | 18.5                    |  |
| 8,354.0                                                               | 3.70       | 208.00                   | 8,349.2       | -224.8        | -67.7         | 0.32                | -0.21                | -3.58               | 40.7                   | 20.6                    |  |
| 8,448.0                                                               | 3.30       | 215.60                   | 8,443.0       | -229.7        | -70.7         | 0.65                | -0.43                | 8.09                | 41.1                   | 14.6                    |  |
| 8,543.0                                                               | 3.70       | 214.40                   | 8,537.8       | -234.4        | -74.0         | 0.43                | 0.42                 | -1.26               | 38.7                   | 14.7                    |  |
| 8,637.0                                                               | 4.00       | 207.50                   | 8,631.6       | -239.8        | -77.2         | 0.59                | 0.32                 | -7.34               | 34.1                   | 18.5                    |  |
| 8,732.0                                                               | 3.90       | 207.00                   | 8,726.4       | -245.6        | -80.2         | 0.11                | -0.11                | -0.53               | 31.1                   | 18.5                    |  |
| 8,826.0                                                               | 3.70       | 210.80                   | 8,820.2       | -251.1        | -83.2         | 0.34                | -0.21                | 4.04                | 29.8                   | 16.1                    |  |
| 8,921.0                                                               | 3.20       | 210.70                   | 8,915.0       | -256.0        | -86.2         | 0.53                | -0.53                | -0.11               | 27.8                   | 15.6                    |  |
| 9,016.0                                                               | 2.80       | 211.00                   | 9,009.9       | -260.3        | -88.7         | 0.42                | -0.42                | 0.32                | 26.7                   | 15.0                    |  |
| 9,110.0                                                               | 2.80       | 204.90                   | 9,103.8       | -264.3        | -90.9         | 0.32                | 0.00                 | -6.49               | 24.1                   | 17.3                    |  |
| 9,198.0                                                               | 3.90       | 1.00                     | 9,191.7       | -263.3        | -91.7         | 7.45                | 1.25                 | 177.39              | -19.2                  | -26.1                   |  |
| 9,246.0                                                               | 11.80      | 2.00                     | 9,239.2       | -256.7        | -91.5         | 16.46               | 16.46                | 2.08                | -24.7                  | -26.7                   |  |
| 9,292.0                                                               | 18.30      | 7.60                     | 9,283.6       | -244.9        | -90.4         | 14.46               | 14.13                | 12.17               | -33.2                  | -25.4                   |  |
| 9,339.0                                                               | 23.80      | 9.60                     | 9,327.5       | -228.2        | -87.8         | 11.80               | 11.70                | 4.26                | -40.3                  | -26.8                   |  |
| 9,387.0                                                               | 29.40      | 8.70                     | 9,370.4       | -207.0        | -84.4         | 11.70               | 11.67                | -1.87               | -45.9                  | -31.1                   |  |
| 9,434.0                                                               | 35.50      | 5.90                     | 9,410.0       | -182.0        | -81.3         | 13.36               | 12.98                | -5.96               | -49.8                  | -37.0                   |  |
| 9,482.0                                                               | 37.30      | 3.20                     | 9,448.6       | -153.6        | -79.0         | 5.02                | 3.75                 | -5.62               | -52.0                  | -41.9                   |  |
| 9,529.0                                                               | 38.20      | 359.90                   | 9,485.8       | -124.8        | -78.3         | 4.71                | 1.91                 | -7.02               | -49.3                  | -46.0                   |  |
| 9,576.0                                                               | 42.60      | 359.40                   | 9,521.6       | -94.4         | -78.5         | 9.39                | 9.36                 | -1.06               | -45.5                  | -46.9                   |  |
| 9,671.0                                                               | 52.10      | 357.10                   | 9,585.9       | -24.6         | -80.7         | 10.16               | 10.00                | -2.42               | -33.2                  | -46.9                   |  |
| 9,708.8                                                               | 56.36      | 357.51                   | 9,608.0       | 6.0           | -82.1         | 11.31               | 11.28                | 1.08                | -28.0                  | -45.7                   |  |
| HL Corssing, MD:9708.8', TVD:9608.0', N/S:6.0', E/W:-82.1', INC:56.36 |            |                          |               |               |               |                     |                      |                     |                        |                         |  |
| 9,718.0                                                               | 57.40      | 357.60                   | 9,613.0       | 13.7          | -82.5         | 11.31               | 11.28                | 1.01                | -26.6                  | -45.4                   |  |
| 9,766.0                                                               | 62.50      | 359.20                   | 9,637.0       | 55.2          | -83.6         | 11.01               | 10.62                | 3.33                | -19.6                  | -44.4                   |  |
| 9,813.0                                                               | 69.70      | 0.10                     | 9,656.1       | 98.2          | -83.9         | 15.42               | 15.32                | 1.91                | -12.7                  | -44.5                   |  |
| 9,860.0                                                               | 76.50      | 0.40                     | 9,669.7       | 143.1         | -83.7         | 14.48               | 14.47                | 0.64                | -6.5                   | -45.1                   |  |



EOG Resources, Inc.  
EOG PVA

|                  |                             |                                     |                                       |
|------------------|-----------------------------|-------------------------------------|---------------------------------------|
| <b>Company:</b>  | EOG Resources - Midland     | <b>Local Co-ordinate Reference:</b> | Well Endurance 36 State Com #5H       |
| <b>Project:</b>  | Lea County, NM (NAD 27 NME) | <b>TVD Reference:</b>               | WELL @ 3359.0usft (3334' GL + 25' KB) |
| <b>Site:</b>     | Endurance 36 State Com      | <b>MD Reference:</b>                | WELL @ 3359.0usft (3334' GL + 25' KB) |
| <b>Well:</b>     | Endurance 36 State Com #5H  | <b>North Reference:</b>             | Grid                                  |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | EDM 5000.1 Single User Db             |

| Survey       |            |                          |               |               |               |                     |                      |                     |                        |                         |
|--------------|------------|--------------------------|---------------|---------------|---------------|---------------------|----------------------|---------------------|------------------------|-------------------------|
| MD<br>(usft) | Inc<br>(°) | Azi<br>(grid_north_azim) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |
| 9,957.0      | 87.60      | 1.00                     | 9,683.1       | 239.0         | -82.5         | 11.46               | 11.44                | 0.62                | 4.0                    | -47.1                   |
| 10,052.0     | 87.10      | 0.80                     | 9,687.5       | 333.9         | -81.0         | 0.57                | -0.53                | -0.21               | 8.4                    | -49.3                   |
| 10,147.0     | 88.20      | 0.30                     | 9,691.4       | 428.8         | -80.1         | 1.27                | 1.16                 | -0.53               | 12.4                   | -50.9                   |
| 10,241.0     | 88.20      | 359.90                   | 9,694.4       | 522.8         | -79.9         | 0.43                | 0.00                 | -0.43               | 15.3                   | -51.7                   |
| 10,335.0     | 89.60      | 359.20                   | 9,696.2       | 616.7         | -80.7         | 1.67                | 1.49                 | -0.74               | 17.1                   | -51.6                   |
| 10,430.0     | 91.00      | 358.50                   | 9,695.7       | 711.7         | -82.6         | 1.65                | 1.47                 | -0.74               | 16.6                   | -50.4                   |
| 10,525.0     | 89.90      | 358.50                   | 9,694.9       | 806.7         | -85.1         | 1.16                | -1.16                | 0.00                | 15.9                   | -48.6                   |
| 10,619.0     | 91.00      | 0.40                     | 9,694.2       | 900.7         | -86.0         | 2.34                | 1.17                 | 2.02                | 15.2                   | -48.4                   |
| 10,714.0     | 92.90      | 0.40                     | 9,690.9       | 995.6         | -85.3         | 2.00                | 2.00                 | 0.00                | 12.0                   | -49.7                   |
| 10,809.0     | 92.70      | 0.30                     | 9,686.3       | 1,090.5       | -84.7         | 0.24                | -0.21                | -0.11               | 7.3                    | -51.0                   |
| 10,904.0     | 91.80      | 358.00                   | 9,682.6       | 1,185.4       | -86.1         | 2.60                | -0.95                | -2.42               | 3.5                    | -50.3                   |
| 10,998.0     | 91.00      | 357.10                   | 9,680.3       | 1,279.3       | -90.1         | 1.28                | -0.85                | -0.96               | 1.2                    | -46.9                   |
| 11,093.0     | 91.70      | 357.40                   | 9,678.0       | 1,374.1       | -94.7         | 0.80                | 0.74                 | 0.32                | -1.0                   | -43.1                   |
| 11,187.0     | 91.10      | 356.60                   | 9,675.7       | 1,468.0       | -99.6         | 1.06                | -0.64                | -0.85               | -3.3                   | -38.8                   |
| 11,282.0     | 91.10      | 356.70                   | 9,673.9       | 1,562.8       | -105.2        | 0.11                | 0.00                 | 0.11                | -5.1                   | -33.9                   |
| 11,377.0     | 90.60      | 357.10                   | 9,672.5       | 1,657.7       | -110.3        | 0.67                | -0.53                | 0.42                | -6.5                   | -29.5                   |
| 11,471.0     | 91.70      | 358.50                   | 9,670.6       | 1,751.6       | -113.9        | 1.89                | 1.17                 | 1.49                | -8.4                   | -26.6                   |
| 11,566.0     | 88.00      | 357.10                   | 9,670.9       | 1,846.5       | -117.6        | 4.16                | -3.89                | -1.47               | -8.1                   | -23.6                   |
| 11,660.0     | 88.50      | 356.90                   | 9,673.7       | 1,940.3       | -122.5        | 0.57                | 0.53                 | -0.21               | -5.3                   | -19.4                   |
| 11,755.0     | 89.60      | 358.10                   | 9,675.3       | 2,035.2       | -126.6        | 1.71                | 1.16                 | 1.26                | -3.7                   | -15.9                   |
| 11,850.0     | 89.00      | 357.80                   | 9,676.5       | 2,130.1       | -130.0        | 0.71                | -0.63                | -0.32               | -2.5                   | -13.2                   |
| 11,944.0     | 88.90      | 358.80                   | 9,678.2       | 2,224.1       | -132.8        | 1.07                | -0.11                | 1.06                | -0.8                   | -11.1                   |
| 12,039.0     | 88.90      | 359.20                   | 9,680.0       | 2,319.0       | -134.5        | 0.42                | 0.00                 | 0.42                | 1.0                    | -10.1                   |
| 12,133.0     | 87.80      | 358.80                   | 9,682.7       | 2,413.0       | -136.1        | 1.25                | -1.17                | -0.43               | 3.7                    | -9.2                    |
| 12,228.0     | 88.20      | 359.90                   | 9,686.0       | 2,507.9       | -137.2        | 1.23                | 0.42                 | 1.16                | 7.0                    | -8.8                    |
| 12,322.0     | 89.40      | 359.90                   | 9,688.0       | 2,601.9       | -137.3        | 1.28                | 1.28                 | 0.00                | 9.0                    | -9.3                    |
| 12,417.0     | 89.90      | 0.40                     | 9,688.6       | 2,696.9       | -137.1        | 0.74                | 0.53                 | 0.53                | 9.6                    | -10.2                   |





EOG Resources, Inc.  
EOG PVA

|                  |                             |                                     |                                       |
|------------------|-----------------------------|-------------------------------------|---------------------------------------|
| <b>Company:</b>  | EOG Resources - Midland     | <b>Local Co-ordinate Reference:</b> | Well Endurance 36 State Com #5H       |
| <b>Project:</b>  | Lea County, NM (NAD 27 NME) | <b>TVD Reference:</b>               | WELL @ 3359.0usft (3334' GL + 25' KB) |
| <b>Site:</b>     | Endurance 36 State Com      | <b>MD Reference:</b>                | WELL @ 3359.0usft (3334' GL + 25' KB) |
| <b>Well:</b>     | Endurance 36 State Com #5H  | <b>North Reference:</b>             | Grid                                  |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature                     |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | EDM 5000.1 Single User Db             |

| Survey       |            |                          |               |               |               |                     |                      |                     |                        |                         |  |
|--------------|------------|--------------------------|---------------|---------------|---------------|---------------------|----------------------|---------------------|------------------------|-------------------------|--|
| MD<br>(usft) | Inc<br>(°) | Azi<br>(grid_north_azim) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |  |
| 12,512.0     | 89.60      | 0.30                     | 9,689.0       | 2,791.9       | -136.5        | 0.33                | -0.32                | -0.11               | 10.0                   | -11.5                   |  |
| 12,606.0     | 90.80      | 0.60                     | 9,688.7       | 2,885.9       | -135.8        | 1.32                | 1.28                 | 0.32                | 9.7                    | -12.9                   |  |
| 12,701.0     | 91.10      | 2.20                     | 9,687.1       | 2,980.8       | -133.5        | 1.71                | 0.32                 | 1.68                | 8.1                    | -15.9                   |  |
| 12,796.0     | 91.30      | 2.00                     | 9,685.1       | 3,075.8       | -130.0        | 0.30                | 0.21                 | -0.21               | 6.1                    | -20.1                   |  |
| 12,890.0     | 90.80      | 359.20                   | 9,683.4       | 3,169.7       | -129.0        | 3.03                | -0.53                | -2.98               | 4.4                    | -21.7                   |  |
| 12,985.0     | 90.80      | 358.80                   | 9,682.1       | 3,264.7       | -130.7        | 0.42                | 0.00                 | -0.42               | 3.1                    | -20.8                   |  |
| 13,079.0     | 93.80      | 2.40                     | 9,678.3       | 3,358.6       | -129.7        | 4.98                | 3.19                 | 3.83                | -0.6                   | -22.4                   |  |
| 13,174.0     | 91.70      | 2.00                     | 9,673.7       | 3,453.4       | -126.0        | 2.25                | -2.21                | -0.42               | -5.2                   | -26.7                   |  |
| 13,269.0     | 89.00      | 358.80                   | 9,673.2       | 3,548.4       | -125.4        | 4.41                | -2.84                | -3.37               | -5.8                   | -28.1                   |  |
| 13,363.0     | 88.20      | 357.30                   | 9,675.5       | 3,642.3       | -128.6        | 1.81                | -0.85                | -1.60               | -3.5                   | -25.6                   |  |
| 13,458.0     | 91.80      | 359.40                   | 9,675.5       | 3,737.2       | -131.3        | 4.39                | 3.79                 | 2.21                | -3.6                   | -23.5                   |  |
| 13,552.0     | 92.90      | 359.60                   | 9,671.6       | 3,831.2       | -132.1        | 1.19                | 1.17                 | 0.21                | -7.4                   | -23.4                   |  |
| 13,674.0     | 90.60      | 0.80                     | 9,667.9       | 3,953.1       | -131.7        | 2.13                | -1.89                | 0.98                | -11.1                  | -24.7                   |  |
| 13,768.0     | 90.60      | 0.60                     | 9,666.9       | 4,047.1       | -130.5        | 0.21                | 0.00                 | -0.21               | -12.1                  | -26.5                   |  |
| 13,863.0     | 90.40      | 1.50                     | 9,666.1       | 4,142.1       | -128.8        | 0.97                | -0.21                | 0.95                | -12.9                  | -28.9                   |  |
| 13,958.0     | 91.30      | 3.10                     | 9,664.6       | 4,237.0       | -125.0        | 1.93                | 0.95                 | 1.68                | -14.3                  | -33.4                   |  |
| 14,052.0     | 90.60      | 4.10                     | 9,663.1       | 4,330.8       | -119.1        | 1.30                | -0.74                | 1.06                | -15.9                  | -40.0                   |  |
| 14,147.0     | 91.30      | 2.40                     | 9,661.5       | 4,425.6       | -113.7        | 1.94                | 0.74                 | -1.79               | -17.5                  | -46.1                   |  |
| 14,241.0     | 89.20      | 359.60                   | 9,661.1       | 4,519.6       | -112.1        | 3.72                | -2.23                | -2.98               | -17.9                  | -48.4                   |  |
| 14,336.0     | 89.20      | 358.70                   | 9,662.4       | 4,614.5       | -113.5        | 0.95                | 0.00                 | -0.95               | -16.6                  | -47.7                   |  |
| 14,431.0     | 89.20      | 359.40                   | 9,663.8       | 4,709.5       | -115.1        | 0.74                | 0.00                 | 0.74                | -15.2                  | -46.8                   |  |
| 14,525.0     | 88.90      | 359.90                   | 9,665.3       | 4,803.5       | -115.6        | 0.62                | -0.32                | 0.53                | -13.7                  | -46.9                   |  |
| 14,620.0     | 88.70      | 359.00                   | 9,667.3       | 4,898.5       | -116.5        | 0.97                | -0.21                | -0.95               | -11.7                  | -46.7                   |  |
| 14,715.0     | 89.00      | 357.60                   | 9,669.2       | 4,993.4       | -119.4        | 1.51                | 0.32                 | -1.47               | -9.8                   | -44.5                   |  |
| 14,809.0     | 89.60      | 356.60                   | 9,670.4       | 5,087.3       | -124.1        | 1.24                | 0.64                 | -1.06               | -8.6                   | -40.4                   |  |
| 14,904.0     | 88.90      | 356.00                   | 9,671.6       | 5,182.1       | -130.2        | 0.97                | -0.74                | -0.63               | -7.4                   | -35.0                   |  |
| 14,998.0     | 89.60      | 357.60                   | 9,672.8       | 5,275.9       | -135.5        | 1.86                | 0.74                 | 1.70                | -6.2                   | -30.4                   |  |



EOG Resources, Inc.  
EOG PVA

|                                             |  |  |  |                                                                     |  |  |  |
|---------------------------------------------|--|--|--|---------------------------------------------------------------------|--|--|--|
| <b>Company:</b> EOG Resources - Midland     |  |  |  | <b>Local Co-ordinate Reference:</b> Well Endurance 36 State Com #5H |  |  |  |
| <b>Project:</b> Lea County, NM (NAD 27 NME) |  |  |  | <b>TVD Reference:</b> WELL @ 3359.0usft (3334' GL + 25' KB)         |  |  |  |
| <b>Site:</b> Endurance 36 State Com         |  |  |  | <b>MD Reference:</b> WELL @ 3359.0usft (3334' GL + 25' KB)          |  |  |  |
| <b>Well:</b> Endurance 36 State Com #5H     |  |  |  | <b>North Reference:</b> Grid                                        |  |  |  |
| <b>Wellbore:</b> OH                         |  |  |  | <b>Survey Calculation Method:</b> Minimum Curvature                 |  |  |  |
| <b>Design:</b> OH                           |  |  |  | <b>Database:</b> EDM 5000.1 Single User Db                          |  |  |  |

| Survey                                                                    |            |                          |               |               |               |                     |                      |                     |                        |                         |  |
|---------------------------------------------------------------------------|------------|--------------------------|---------------|---------------|---------------|---------------------|----------------------|---------------------|------------------------|-------------------------|--|
| MD<br>(usft)                                                              | Inc<br>(°) | Azi<br>(grid_north_azim) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |  |
| 15,093.0                                                                  | 89.70      | 357.40                   | 9,673.4       | 5,370.8       | -139.6        | 0.24                | 0.11                 | -0.21               | -5.6                   | -27.0                   |  |
| 15,188.0                                                                  | 89.60      | 357.40                   | 9,674.0       | 5,465.7       | -143.9        | 0.11                | -0.11                | 0.00                | -5.0                   | -23.3                   |  |
| 15,282.0                                                                  | 91.00      | 1.00                     | 9,673.5       | 5,559.7       | -145.3        | 4.11                | 1.49                 | 3.83                | -5.5                   | -22.7                   |  |
| 15,377.0                                                                  | 90.40      | 359.90                   | 9,672.3       | 5,654.7       | -144.5        | 1.32                | -0.63                | -1.16               | -6.7                   | -24.1                   |  |
| 15,471.0                                                                  | 90.30      | 0.40                     | 9,671.8       | 5,748.7       | -144.3        | 0.54                | -0.11                | 0.53                | -7.2                   | -25.1                   |  |
| 15,566.0                                                                  | 89.90      | 359.90                   | 9,671.6       | 5,843.7       | -144.0        | 0.67                | -0.42                | -0.53               | -7.4                   | -26.0                   |  |
| 15,660.0                                                                  | 89.60      | 1.00                     | 9,672.0       | 5,937.7       | -143.3        | 1.21                | -0.32                | 1.17                | -7.0                   | -27.4                   |  |
| 15,755.0                                                                  | 87.60      | 1.50                     | 9,674.3       | 6,032.6       | -141.2        | 2.17                | -2.11                | 0.53                | -4.7                   | -30.2                   |  |
| 15,849.0                                                                  | 89.60      | 2.20                     | 9,676.6       | 6,126.5       | -138.2        | 2.25                | 2.13                 | 0.74                | -2.4                   | -33.9                   |  |
| 15,944.0                                                                  | 90.80      | 1.10                     | 9,676.3       | 6,221.5       | -135.4        | 1.71                | 1.26                 | -1.16               | -2.7                   | -37.3                   |  |
| 16,039.0                                                                  | 91.00      | 1.70                     | 9,674.8       | 6,316.5       | -133.1        | 0.67                | 0.21                 | 0.63                | -4.2                   | -40.3                   |  |
| 16,133.0                                                                  | 90.60      | 0.10                     | 9,673.5       | 6,410.4       | -131.6        | 1.75                | -0.43                | -1.70               | -5.5                   | -42.5                   |  |
| 16,228.0                                                                  | 91.00      | 0.30                     | 9,672.2       | 6,505.4       | -131.3        | 0.47                | 0.42                 | 0.21                | -6.8                   | -43.5                   |  |
| 16,322.0                                                                  | 90.60      | 359.20                   | 9,670.9       | 6,599.4       | -131.7        | 1.25                | -0.43                | -1.17               | -8.1                   | -43.7                   |  |
| 16,416.0                                                                  | 90.30      | 359.40                   | 9,670.1       | 6,693.4       | -132.9        | 0.38                | -0.32                | 0.21                | -8.9                   | -43.3                   |  |
| 16,511.0                                                                  | 91.00      | 358.80                   | 9,669.0       | 6,788.4       | -134.4        | 0.97                | 0.74                 | -0.63               | -10.0                  | -42.5                   |  |
| 16,605.0                                                                  | 91.70      | 358.80                   | 9,666.8       | 6,882.3       | -136.3        | 0.74                | 0.74                 | 0.00                | -12.2                  | -41.2                   |  |
| 16,699.0                                                                  | 91.80      | 358.70                   | 9,664.0       | 6,976.3       | -138.4        | 0.15                | 0.11                 | -0.11               | -15.1                  | -39.8                   |  |
| Last MWD Survey                                                           |            |                          |               |               |               |                     |                      |                     |                        |                         |  |
| 16,852.1                                                                  | 91.80      | 358.70                   | 9,659.1       | 7,129.3       | -141.8        | 0.00                | 0.00                 | 0.00                | -19.9                  | -37.4                   |  |
| HL Corssing, MD:16852.1', TVD:9659.1',N/S:7129.3', E/W:-141.8', INC:91.80 |            |                          |               |               |               |                     |                      |                     |                        |                         |  |
| 16,931.0                                                                  | 91.80      | 358.70                   | 9,656.7       | 7,208.1       | -143.6        | 0.00                | 0.00                 | 0.00                | -22.3                  | -36.2                   |  |
| Projection To Bit                                                         |            |                          |               |               |               |                     |                      |                     |                        |                         |  |



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|           |                             |                              |                                       |
|-----------|-----------------------------|------------------------------|---------------------------------------|
| Company:  | EOG Resources - Midland     | Local Co-ordinate Reference: | Well Endurance 36 State Com #5H       |
| Project:  | Lea County, NM (NAD 27 NME) | TVD Reference:               | WELL @ 3359.0usft (3334' GL + 25' KB) |
| Site:     | Endurance 36 State Com      | MD Reference:                | WELL @ 3359.0usft (3334' GL + 25' KB) |
| Well:     | Endurance 36 State Com #5H  | North Reference:             | Grid                                  |
| Wellbore: | OH                          | Survey Calculation Method:   | Minimum Curvature                     |
| Design:   | OH                          | Database:                    | EDM 5000.1 Single User Db             |

| Design Annotations          |                             |                   |                 |                                                                           |
|-----------------------------|-----------------------------|-------------------|-----------------|---------------------------------------------------------------------------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates |                 | Comment                                                                   |
|                             |                             | +N/-S<br>(usft)   | +E/-W<br>(usft) |                                                                           |
| 9,708.8                     | 9,608.0                     | 6.0               | -82.1           | HL Corssing, MD:9708.8', TVD:9608.0',N/S:6.0', E/W:-82.1', INC:56.36      |
| 16,699.0                    | 9,664.0                     | 6,976.3           | -138.4          | Last MWD Survey                                                           |
| 16,852.1                    | 9,659.1                     | 7,129.3           | -141.8          | HL Corssing, MD:16852.1', TVD:9659.1',N/S:7129.3', E/W:-141.8', INC:91.80 |
| 16,931.0                    | 9,656.7                     | 7,208.1           | -143.6          | Projection To Bit                                                         |

|                   |                    |             |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|