

**HOBBS OCD**

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**EOG Resources - Midland**

Lea County, NM (NAD 83 NME)

Dragon 36 State

#302H

OH

Design: OH

**Midland PVA**

19 September, 2018



Midland PVA

|                                             |                                                     |
|---------------------------------------------|-----------------------------------------------------|
| <b>Company:</b> EOG Resources - Midland     | <b>Local Co-ordinate Reference:</b> Well #302H      |
| <b>Project:</b> Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b> KB = 25 @ 3512.0usft          |
| <b>Site:</b> Dragon 36 State                | <b>MD Reference:</b> KB = 25 @ 3512.0usft           |
| <b>Well:</b> #302H                          | <b>North Reference:</b> Grid                        |
| <b>Wellbore:</b> OH                         | <b>Survey Calculation Method:</b> Minimum Curvature |
| <b>Design:</b> OH                           | <b>Database:</b> EDM 5000.14                        |

|                                             |                      |                       |  |
|---------------------------------------------|----------------------|-----------------------|--|
| <b>Project</b> Lea County, NM (NAD 83 NME)  |                      |                       |  |
| <b>Map System:</b> US State Plane 1983      | <b>System Datum:</b> | <b>Mean Sea Level</b> |  |
| <b>Geo Datum:</b> North American Datum 1983 |                      |                       |  |
| <b>Map Zone:</b> New Mexico Eastern Zone    |                      |                       |  |

|                                       |                                  |                                     |  |
|---------------------------------------|----------------------------------|-------------------------------------|--|
| <b>Site</b> Dragon 36 State           |                                  |                                     |  |
| <b>Site Position:</b>                 | <b>Northing:</b> 426,079.00 usft | <b>Latitude:</b> 32° 10' 7.510 N    |  |
| <b>From:</b> Map                      | <b>Easting:</b> 793,102.00 usft  | <b>Longitude:</b> 103° 31' 10.836 W |  |
| <b>Position Uncertainty:</b> 0.0 usft | <b>Slot Radius:</b> 13-3/16 "    | <b>Grid Convergence:</b> 0.43 "     |  |

|                                      |                                  |                                     |  |
|--------------------------------------|----------------------------------|-------------------------------------|--|
| <b>Well</b> #302H                    |                                  |                                     |  |
| <b>Well Position</b> +N-S 0.0 usft   | <b>Northing:</b> 426,078.00 usft | <b>Latitude:</b> 32° 10' 7.502 N    |  |
| +E-W 0.0 usft                        | <b>Easting:</b> 793,069.00 usft  | <b>Longitude:</b> 103° 31' 11.220 W |  |
| <b>Position Uncertainty</b> 0.0 usft | <b>Wellhead Elevation:</b> usft  | <b>Ground Level:</b> 3,487.0 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> |
|                    | IGRF2015          | 3/28/2018          | 6.84                   | 60.01                | 47,830.28819638            |

|                          |                                |                          |                    |                      |  |
|--------------------------|--------------------------------|--------------------------|--------------------|----------------------|--|
| <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                | 353.12               |  |



Midland PVA

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| <b>Site:</b>     | Dragon 36 State             | <b>MD Reference:</b>                | KB = 25 @ 3512.0usft |
| <b>Well:</b>     | #302H                       | <b>North Reference:</b>             | Grid                 |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature    |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | EDM 5000.14          |

|                       |                  |                           |                  |                     |  |
|-----------------------|------------------|---------------------------|------------------|---------------------|--|
| <b>Survey Program</b> | <b>Date</b>      | 9/19/2018                 |                  |                     |  |
| <b>From (usft)</b>    | <b>To (usft)</b> | <b>Survey (Wellbore)</b>  | <b>Tool Name</b> | <b>Description</b>  |  |
| 132.0                 | 1,254.0          | Wildfire MWD GN +25' (OH) | MWD              | OWSG MWD - Standard |  |
| 1,340.0               | 15,200.0         | Driltech MWD (OH)         | MWD              | OWSG MWD - Standard |  |

| MD (usft) | Inc (") | Azi (azimuth) (") | TVD (usft) | N/S (usft) | E/W (usft) | DLeg ("100usft) | Build ("100usft) | Turn ("100usft) | High to Plan (usft) | Right to Plan (usft) |
|-----------|---------|-------------------|------------|------------|------------|-----------------|------------------|-----------------|---------------------|----------------------|
| 0.0       | 0.00    | 0.00              | 0.0        | 0.0        | 0.0        | 0.00            | 0.00             | 0.00            | 0.0                 | 0.0                  |
| 132.0     | 0.40    | 247.40            | 132.0      | -0.2       | -0.4       | 0.30            | 0.30             | 0.00            | 0.0                 | 0.0                  |
| 160.0     | 0.60    | 288.40            | 160.0      | -0.2       | -0.7       | 1.42            | 0.71             | 146.43          | 0.0                 | 0.0                  |
| 189.0     | 0.70    | 331.40            | 189.0      | 0.0        | -0.9       | 1.67            | 0.34             | 148.28          | 0.0                 | 0.0                  |
| 217.0     | 0.80    | 309.40            | 217.0      | 0.3        | -1.1       | 1.08            | 0.36             | -78.57          | 0.0                 | 0.0                  |
| 277.0     | 0.60    | 290.40            | 277.0      | 0.7        | -1.7       | 0.51            | -0.33            | -31.67          | 0.0                 | 0.0                  |
| 308.0     | 0.70    | 349.40            | 308.0      | 0.9        | -1.9       | 2.08            | 0.32             | 190.32          | 0.0                 | 0.0                  |
| 338.0     | 0.80    | 342.40            | 338.0      | 1.3        | -2.0       | 0.45            | 0.33             | -23.33          | 0.0                 | 0.0                  |
| 372.0     | 1.00    | 315.40            | 372.0      | 1.7        | -2.3       | 1.36            | 0.59             | -79.41          | 0.0                 | 0.0                  |
| 403.0     | 0.70    | 350.40            | 403.0      | 2.1        | -2.5       | 1.89            | -0.97            | 112.90          | 0.0                 | 0.0                  |
| 434.0     | 0.70    | 347.40            | 434.0      | 2.5        | -2.6       | 0.12            | 0.00             | -9.68           | 0.0                 | 0.0                  |
| 466.0     | 0.80    | 322.40            | 466.0      | 2.9        | -2.8       | 1.06            | 0.31             | -78.13          | 0.0                 | 0.0                  |
| 528.0     | 0.80    | 312.40            | 528.0      | 3.5        | -3.4       | 0.22            | 0.00             | -16.13          | 0.0                 | 0.0                  |
| 559.0     | 0.60    | 296.40            | 559.0      | 3.7        | -3.7       | 0.90            | -0.65            | -51.61          | 0.0                 | 0.0                  |
| 591.0     | 0.40    | 283.40            | 591.0      | 3.8        | -3.9       | 0.71            | -0.63            | -40.63          | 0.0                 | 0.0                  |
| 621.0     | 0.80    | 323.40            | 621.0      | 4.0        | -4.1       | 1.86            | 1.33             | 133.33          | 0.0                 | 0.0                  |
| 653.0     | 0.80    | 342.40            | 653.0      | 4.4        | -4.3       | 0.83            | 0.00             | 59.38           | 0.0                 | 0.0                  |
| 683.0     | 0.30    | 46.40             | 683.0      | 4.7        | -4.4       | 2.40            | -1.67            | 213.33          | 0.0                 | 0.0                  |
| 714.0     | 0.70    | 14.40             | 714.0      | 4.9        | -4.2       | 1.53            | 1.29             | -103.23         | 0.0                 | 0.0                  |
| 746.0     | 0.50    | 33.40             | 746.0      | 5.2        | -4.1       | 0.87            | -0.63            | 59.38           | 0.0                 | 0.0                  |
| 783.0     | 0.70    | 359.40            | 783.0      | 5.6        | -4.0       | 1.08            | 0.54             | -91.89          | 0.0                 | 0.0                  |



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| <b>Site:</b>     | Dragon 38 State             | <b>MD Reference:</b>                | KB = 25 @ 3512.0usft |
| <b>Well:</b>     | #302H                       | <b>North Reference:</b>             | Grid                 |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature    |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | EDM 5000.14          |

| Survey       |            |                      |               |               |              |                     |                      |                     |                        |                         |
|--------------|------------|----------------------|---------------|---------------|--------------|---------------------|----------------------|---------------------|------------------------|-------------------------|
| MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft) | EW<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |
| 810.0        | 0.20       | 61.40                | 810.0         | 5.7           | -4.0         | 2.34                | -1.85                | 229.63              | 0.0                    | 0.0                     |
| 840.0        | 0.70       | 20.40                | 839.9         | 5.9           | -3.9         | 1.88                | 1.67                 | -136.67             | 0.0                    | 0.0                     |
| 872.0        | 0.70       | 22.40                | 871.9         | 6.3           | -3.7         | 0.08                | 0.00                 | 6.25                | 0.0                    | 0.0                     |
| 903.0        | 0.50       | 321.40               | 902.9         | 6.6           | -3.8         | 2.04                | -0.65                | -196.77             | 0.0                    | 0.0                     |
| 997.0        | 0.30       | 151.40               | 996.9         | 6.7           | -3.9         | 0.85                | -0.21                | -180.85             | 0.0                    | 0.0                     |
| 1,028.0      | 0.60       | 45.40                | 1,027.9       | 6.7           | -3.7         | 2.39                | 0.97                 | -341.94             | 0.0                    | 0.0                     |
| 1,060.0      | 0.60       | 92.40                | 1,059.9       | 6.8           | -3.5         | 1.50                | 0.00                 | 146.88              | 0.0                    | 0.0                     |
| 1,091.0      | 0.50       | 81.40                | 1,090.9       | 6.9           | -3.2         | 0.47                | -0.32                | -35.48              | 0.0                    | 0.0                     |
| 1,123.0      | 0.50       | 66.40                | 1,122.9       | 6.9           | -2.9         | 0.41                | 0.00                 | -46.88              | 0.0                    | 0.0                     |
| 1,154.0      | 0.40       | 46.40                | 1,153.9       | 7.1           | -2.7         | 0.60                | -0.32                | -64.52              | 0.0                    | 0.0                     |
| 1,217.0      | 0.40       | 341.40               | 1,216.9       | 7.4           | -2.6         | 0.68                | 0.00                 | -103.17             | 0.0                    | 0.0                     |
| 1,254.0      | 0.40       | 352.40               | 1,253.9       | 7.7           | -2.7         | 0.21                | 0.00                 | 29.73               | 0.0                    | 0.0                     |
| 1,340.0      | 0.20       | 333.30               | 1,339.9       | 8.1           | -2.8         | 0.26                | -0.23                | -22.20              | 0.1                    | 0.1                     |
| 1,434.0      | 2.20       | 214.50               | 1,433.9       | 6.8           | -3.9         | 2.45                | 2.13                 | -126.38             | -1.3                   | 0.2                     |
| 1,623.0      | 2.70       | 206.20               | 1,622.7       | -0.2          | -7.9         | 0.32                | 0.26                 | -4.39               | 1.1                    | 0.5                     |
| 1,811.0      | 8.40       | 198.90               | 1,809.8       | -17.2         | -14.3        | 3.05                | 3.03                 | -3.88               | 4.1                    | 4.0                     |
| 2,000.0      | 8.40       | 198.70               | 1,996.8       | -43.3         | -23.2        | 0.02                | 0.00                 | -0.11               | -0.3                   | 8.3                     |
| 2,189.0      | 8.30       | 197.10               | 2,183.8       | -69.4         | -31.6        | 0.13                | -0.05                | -0.85               | -4.8                   | 12.9                    |
| 2,378.0      | 8.60       | 199.80               | 2,370.7       | -95.8         | -40.4        | 0.26                | 0.16                 | 1.43                | -8.6                   | 17.7                    |
| 2,567.0      | 8.70       | 209.70               | 2,557.6       | -121.5        | -52.3        | 0.79                | 0.05                 | 5.24                | -10.1                  | 21.2                    |
| 2,756.0      | 8.90       | 211.10               | 2,744.3       | -146.4        | -66.9        | 0.16                | 0.11                 | 0.74                | -14.9                  | 21.0                    |
| 2,945.0      | 8.30       | 209.90               | 2,931.2       | -170.8        | -81.3        | 0.33                | -0.32                | -0.63               | -19.9                  | 20.1                    |
| 3,134.0      | 8.30       | 207.90               | 3,118.2       | -194.7        | -94.5        | 0.15                | 0.00                 | -1.06               | -24.3                  | 19.5                    |
| 3,323.0      | 7.70       | 202.10               | 3,305.4       | -218.4        | -105.6       | 0.53                | -0.32                | -3.07               | -28.8                  | 18.5                    |
| 3,512.0      | 7.40       | 192.30               | 3,492.8       | -242.1        | -113.0       | 0.70                | -0.16                | -5.19               | -33.6                  | 18.1                    |
| 3,700.0      | 6.60       | 194.50               | 3,679.4       | -264.4        | -118.3       | 0.45                | -0.43                | 1.17                | -33.0                  | 25.9                    |
| 3,889.0      | 6.60       | 207.20               | 3,867.1       | -284.5        | -125.9       | 0.77                | 0.00                 | 6.72                | -24.3                  | 35.7                    |



Midland PVA

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| <b>Site:</b>     | Dragon 36 State             | <b>MD Reference:</b>                | KB = 25 @ 3512.0usft |
| <b>Well:</b>     | #302H                       | <b>North Reference:</b>             | Grid                 |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature    |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | EDM 5000.14          |

| Survey       |            |                      |               |               |               |                     |                      |                     |                        |                         |  |
|--------------|------------|----------------------|---------------|---------------|---------------|---------------------|----------------------|---------------------|------------------------|-------------------------|--|
| MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | 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) |  |
| 4,077.0      | 7.90       | 217.70               | 4,053.6       | -304.4        | -138.8        | 0.98                | 0.69                 | 5.59                | -17.7                  | 38.0                    |  |
| 4,265.0      | 7.00       | 215.00               | 4,240.0       | -324.0        | -153.2        | 0.51                | -0.48                | -1.44               | -20.4                  | 34.2                    |  |
| 4,454.0      | 5.60       | 211.20               | 4,427.9       | -341.3        | -164.6        | 0.77                | -0.74                | -2.01               | -19.6                  | 31.2                    |  |
| 4,643.0      | 5.00       | 179.40               | 4,616.1       | -357.4        | -169.3        | 1.56                | -0.32                | -16.83              | -28.6                  | 23.2                    |  |
| 4,831.0      | 5.90       | 199.50               | 4,803.3       | -374.7        | -172.5        | 1.11                | 0.48                 | 10.69               | -13.0                  | 38.4                    |  |
| 5,020.0      | 7.40       | 200.60               | 4,991.0       | -395.3        | -180.0        | 0.80                | 0.79                 | 0.58                | -10.7                  | 42.4                    |  |
| 5,096.0      | 6.90       | 209.70               | 5,066.4       | -403.8        | -184.0        | 1.63                | -0.66                | 11.97               | -3.8                   | 44.3                    |  |
| 5,194.0      | 6.80       | 207.30               | 5,163.7       | -414.1        | -189.5        | 0.31                | -0.10                | -2.45               | -5.1                   | 44.3                    |  |
| 5,383.0      | 7.40       | 215.40               | 5,351.3       | -434.0        | -201.7        | 0.62                | 0.32                 | 4.29                | 1.5                    | 43.6                    |  |
| 5,571.0      | 7.80       | 215.70               | 5,537.6       | -454.2        | -216.2        | 0.21                | 0.21                 | 0.16                | 0.2                    | 41.0                    |  |
| 5,760.0      | 7.80       | 208.40               | 5,724.9       | -475.9        | -229.8        | 0.52                | 0.00                 | -3.86               | -6.8                   | 39.4                    |  |
| 5,948.0      | 6.90       | 204.50               | 5,911.3       | -497.4        | -240.5        | 0.55                | -0.48                | -2.07               | -10.0                  | 40.0                    |  |
| 6,137.0      | 7.10       | 214.80               | 6,098.9       | -517.3        | -251.9        | 0.67                | 0.11                 | 5.45                | -2.1                   | 40.9                    |  |
| 6,325.0      | 5.70       | 212.10               | 6,285.8       | -534.8        | -263.5        | 0.76                | -0.74                | -1.44               | -1.4                   | 39.0                    |  |
| 6,514.0      | 6.10       | 211.20               | 6,473.8       | -551.3        | -273.7        | 0.22                | 0.21                 | -0.48               | 2.3                    | 38.1                    |  |
| 6,703.0      | 8.80       | 229.60               | 6,661.2       | -569.3        | -289.9        | 1.89                | 1.43                 | 9.74                | 12.3                   | 30.4                    |  |
| 6,892.0      | 8.20       | 229.00               | 6,848.1       | -587.5        | -311.1        | 0.32                | -0.32                | -0.32               | 6.3                    | 22.4                    |  |
| 7,080.0      | 7.60       | 225.80               | 7,034.3       | -604.9        | -330.1        | 0.40                | -0.32                | -1.70               | 1.8                    | 15.2                    |  |
| 7,269.0      | 4.90       | 233.60               | 7,222.2       | -618.4        | -345.6        | 1.49                | -1.43                | 4.13                | 5.0                    | 6.6                     |  |
| 7,458.0      | 4.80       | 216.20               | 7,410.5       | -629.6        | -356.7        | 0.78                | -0.05                | -9.21               | 10.7                   | 2.7                     |  |
| 7,647.0      | 3.80       | 211.10               | 7,599.0       | -641.4        | -364.6        | 0.57                | -0.53                | -2.70               | 17.2                   | 2.3                     |  |
| 7,836.0      | 2.60       | 211.40               | 7,787.7       | -650.4        | -370.1        | 0.63                | -0.63                | 0.16                | 15.6                   | 1.9                     |  |
| 8,025.0      | 1.60       | 210.40               | 7,976.5       | -658.3        | -373.7        | 0.53                | -0.53                | -0.53               | 9.0                    | 2.1                     |  |
| 8,214.0      | 1.80       | 207.90               | 8,165.5       | -661.4        | -376.5        | 0.16                | 0.16                 | -1.32               | 3.1                    | 2.3                     |  |
| 8,402.0      | 1.80       | 193.60               | 8,353.4       | -667.0        | -378.6        | 0.25                | -0.05                | -7.61               | -3.6                   | 2.3                     |  |
| 8,591.0      | 1.90       | 190.80               | 8,542.3       | -672.9        | -379.9        | 0.07                | 0.05                 | -1.48               | -9.8                   | 1.9                     |  |
| 8,780.0      | 1.90       | 179.40               | 8,731.2       | -679.2        | -380.5        | 0.20                | 0.00                 | -6.03               | -16.2                  | -0.6                    |  |



Midland PVA

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| <b>Site:</b>     | Dragon 38 State             | <b>MD Reference:</b>                | KB = 25 @ 3512.0usft |
| <b>Well:</b>     | #302H                       | <b>North Reference:</b>             | Grid                 |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | (Minimum Curvature   |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | EDM 5000.14          |

| Survey                                                         |            |                      |               |               |               |                     |                      |                     |                        |                         |  |
|----------------------------------------------------------------|------------|----------------------|---------------|---------------|---------------|---------------------|----------------------|---------------------|------------------------|-------------------------|--|
| MD<br>(usft)                                                   | Inc<br>(°) | Azi (azimuth)<br>(°) | 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) |  |
| 8,969.0                                                        | 1.60       | 176.00               | 8,920.1       | -684.9        | -380.3        | 0.17                | -0.16                | -1.80               | -21.9                  | -1.8                    |  |
| 9,158.0                                                        | 1.50       | 173.00               | 9,109.0       | -690.0        | -379.8        | 0.07                | -0.05                | -1.59               | -26.8                  | -3.1                    |  |
| 9,347.0                                                        | 0.90       | 186.50               | 9,298.0       | -693.9        | -379.6        | 0.35                | -0.32                | 7.14                | -30.7                  | 3.9                     |  |
| 9,536.0                                                        | 0.40       | 188.70               | 9,486.9       | -696.1        | -379.9        | 0.26                | -0.26                | 1.16                | -32.7                  | 5.1                     |  |
| 9,648.0                                                        | 0.40       | 168.30               | 9,598.9       | -696.8        | -379.9        | 0.13                | 0.00                 | -18.21              | -33.2                  | -6.8                    |  |
| 9,713.0                                                        | 2.83       | 2.62                 | 9,663.9       | -695.5        | -379.8        | 4.95                | 3.73                 | -254.89             | 32.4                   | -1.7                    |  |
| KOP 8713.0' MD; 9663.9' TVD; -695.5'; -379.8'; 2.83            |            |                      |               |               |               |                     |                      |                     |                        |                         |  |
| 9,763.0                                                        | 5.30       | 1.80                 | 9,713.8       | -691.9        | -379.6        | 4.95                | 4.95                 | -1.65               | 28.9                   | -1.3                    |  |
| 9,858.0                                                        | 16.10      | 359.70               | 9,807.0       | -674.3        | -379.6        | 11.37               | 11.37                | -2.21               | 17.3                   | -1.3                    |  |
| 9,952.0                                                        | 25.10      | 353.90               | 9,894.9       | -641.4        | -381.8        | 9.81                | 9.57                 | -6.17               | 4.5                    | -1.9                    |  |
| 10,012.3                                                       | 31.80      | 349.88               | 9,947.9       | -613.0        | -385.9        | 11.55               | 11.11                | -6.66               | -3.9                   | -2.1                    |  |
| FTP Crossing 10012.3' MD; 8947.9' TVD; -613.0'; -385.9'; 31.80 |            |                      |               |               |               |                     |                      |                     |                        |                         |  |
| 10,047.0                                                       | 35.70      | 348.20               | 9,976.7       | -594.1        | -389.6        | 11.55               | 11.23                | -4.85               | -9.2                   | -1.7                    |  |
| 10,141.0                                                       | 41.80      | 356.30               | 10,050.1      | -535.9        | -397.2        | 8.43                | 6.49                 | 8.62                | -21.1                  | -1.3                    |  |
| 10,236.0                                                       | 46.20      | 358.80               | 10,118.4      | -470.0        | -400.0        | 4.98                | 4.63                 | 2.63                | -26.0                  | -8.0                    |  |
| 10,330.0                                                       | 54.60      | 357.60               | 10,178.3      | -397.6        | -402.3        | 8.99                | 8.94                 | -1.28               | -24.9                  | -17.8                   |  |
| 10,424.0                                                       | 66.80      | 358.30               | 10,224.2      | -315.9        | -405.2        | 12.99               | 12.98                | 0.74                | -24.7                  | -28.0                   |  |
| 10,516.0                                                       | 77.70      | 354.30               | 10,252.2      | -228.6        | -411.0        | 12.55               | 11.85                | -4.35               | -26.3                  | -37.0                   |  |
| 10,611.0                                                       | 86.10      | 350.80               | 10,265.6      | -135.4        | -423.2        | 9.58                | 8.84                 | -3.68               | -28.5                  | -39.8                   |  |
| 10,705.0                                                       | 85.60      | 351.00               | 10,272.4      | -42.9         | -438.0        | 0.57                | -0.53                | 0.21                | -23.3                  | -39.1                   |  |
| 10,800.0                                                       | 85.50      | 351.20               | 10,279.7      | 50.7          | -452.6        | 0.23                | -0.11                | 0.21                | -15.4                  | -34.6                   |  |
| 10,894.0                                                       | 86.10      | 351.80               | 10,286.6      | 143.4         | -466.7        | 0.77                | 0.64                 | 0.43                | -8.0                   | -25.8                   |  |
| 10,988.0                                                       | 85.50      | 351.50               | 10,293.5      | 236.1         | -480.4        | 0.65                | -0.64                | -0.11               | -0.7                   | -14.3                   |  |
| 11,083.0                                                       | 86.50      | 352.60               | 10,300.1      | 330.0         | -493.5        | 1.56                | 1.05                 | 1.16                | 6.2                    | -3.5                    |  |
| 11,177.0                                                       | 88.90      | 354.60               | 10,303.9      | 423.3         | -504.0        | 3.32                | 2.55                 | 2.13                | 10.4                   | 4.6                     |  |
| 11,271.0                                                       | 89.50      | 356.30               | 10,305.2      | 517.0         | -511.5        | 1.92                | 0.64                 | 1.81                | 12.2                   | 9.8                     |  |
| 11,366.0                                                       | 89.70      | 357.90               | 10,305.9      | 611.9         | -516.3        | 1.70                | 0.21                 | 1.68                | 13.3                   | 12.2                    |  |



Midland PVA

|           |                             |                              |                      |
|-----------|-----------------------------|------------------------------|----------------------|
| Company:  | EOG Resources - Midland     | Local Co-ordinate Reference: | Well #302H           |
| Project:  | Lea County, NM (NAD 83 NME) | TVD Reference:               | KB = 25 @ 3512.0usft |
| Site:     | Dragon 36 State             | MD Reference:                | KB = 25 @ 3512.0usft |
| Well:     | #302H                       | North Reference:             | Grid                 |
| Wellbore: | OH                          | Survey Calculation Method:   | Minimum Curvature    |
| Design:   | OH                          | Database:                    | EDM 5000.14          |

| Survey       |            |                      |               |               |               |                     |                       |                     |                        |                         |
|--------------|------------|----------------------|---------------|---------------|---------------|---------------------|-----------------------|---------------------|------------------------|-------------------------|
| MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Bulld.<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |
| 11,460.0     | 90.10      | 358.40               | 10,306.0      | 705.8         | -519.3        | 0.68                | 0.43                  | 0.53                | 13.9                   | 13.0                    |
| 11,554.0     | 90.20      | 358.20               | 10,305.8      | 799.8         | -522.1        | 0.24                | 0.11                  | -0.21               | 14.1                   | 13.4                    |
| 11,649.0     | 90.90      | 358.90               | 10,304.9      | 894.8         | -524.5        | 1.04                | 0.74                  | 0.74                | 13.6                   | 13.5                    |
| 11,743.0     | 91.80      | 359.70               | 10,302.7      | 988.7         | -525.7        | 1.28                | 0.96                  | 0.85                | 11.9                   | 12.7                    |
| 11,838.0     | 91.40      | 359.50               | 10,300.0      | 1,083.7       | -526.3        | 0.47                | -0.42                 | -0.21               | 10.1                   | 12.6                    |
| 11,932.0     | 91.80      | 359.50               | 10,297.4      | 1,177.6       | -527.1        | 0.43                | 0.43                  | 0.00                | 8.2                    | 12.8                    |
| 12,027.0     | 91.80      | 359.40               | 10,294.4      | 1,272.6       | -528.0        | 0.11                | 0.00                  | -0.11               | 6.0                    | 13.0                    |
| 12,121.0     | 90.70      | 0.20                 | 10,292.4      | 1,366.6       | -528.4        | 1.45                | -1.17                 | 0.85                | 4.7                    | 12.7                    |
| 12,215.0     | 90.40      | 359.90               | 10,291.5      | 1,460.6       | -528.3        | 0.45                | -0.32                 | -0.32               | 4.5                    | 11.9                    |
| 12,310.0     | 90.40      | 0.30                 | 10,290.8      | 1,555.6       | -528.1        | 0.42                | 0.00                  | 0.42                | 4.6                    | 11.1                    |
| 12,405.0     | 89.60      | 0.30                 | 10,290.8      | 1,650.6       | -527.6        | 0.84                | -0.84                 | 0.00                | 5.4                    | 9.9                     |
| 12,499.0     | 89.10      | 0.00                 | 10,291.9      | 1,744.5       | -527.4        | 0.62                | -0.53                 | -0.32               | 7.2                    | 9.0                     |
| 12,593.0     | 90.30      | 0.00                 | 10,292.4      | 1,838.5       | -527.4        | 1.28                | 1.28                  | 0.00                | 8.4                    | 8.3                     |
| 12,687.0     | 90.30      | 0.70                 | 10,291.9      | 1,932.5       | -526.8        | 0.74                | 0.00                  | 0.74                | 8.7                    | 7.1                     |
| 12,781.0     | 91.10      | 0.00                 | 10,290.7      | 2,026.5       | -526.2        | 1.13                | 0.85                  | -0.74               | 8.8                    | 5.8                     |
| 12,875.0     | 91.00      | 359.70               | 10,289.0      | 2,120.5       | -526.5        | 0.34                | -0.11                 | -0.32               | 8.5                    | 5.3                     |
| 12,969.0     | 90.70      | 359.70               | 10,287.6      | 2,214.5       | -527.0        | 0.32                | -0.32                 | 0.00                | 8.5                    | 5.1                     |
| 13,064.0     | 90.70      | 0.10                 | 10,286.4      | 2,309.5       | -527.1        | 0.42                | 0.00                  | 0.42                | 8.7                    | 4.5                     |
| 13,158.0     | 92.50      | 0.30                 | 10,283.8      | 2,403.5       | -526.8        | 1.93                | 1.91                  | 0.21                | 7.5                    | 3.5                     |
| 13,253.0     | 92.60      | 0.00                 | 10,279.6      | 2,498.4       | -526.6        | 0.33                | 0.11                  | -0.32               | 4.7                    | 2.5                     |
| 13,347.0     | 92.20      | 0.00                 | 10,275.7      | 2,592.3       | -526.6        | 0.43                | -0.43                 | 0.00                | 2.2                    | 1.8                     |
| 13,441.0     | 91.50      | 359.10               | 10,272.6      | 2,686.2       | -527.3        | 1.21                | -0.74                 | -0.96               | 0.5                    | 1.8                     |
| 13,536.0     | 91.00      | 359.00               | 10,270.5      | 2,781.2       | -528.9        | 0.54                | -0.53                 | -0.11               | -0.1                   | 2.7                     |
| 13,630.0     | 90.70      | 358.40               | 10,269.1      | 2,875.2       | -531.0        | 0.71                | -0.32                 | -0.64               | -0.1                   | 4.1                     |
| 13,725.0     | 90.60      | 358.70               | 10,268.1      | 2,970.1       | -533.4        | 0.33                | -0.11                 | 0.32                | 0.3                    | 5.8                     |
| 13,819.0     | 90.70      | 358.90               | 10,267.0      | 3,064.1       | -535.4        | 0.24                | 0.11                  | 0.21                | 0.6                    | 7.0                     |
| 13,913.0     | 90.30      | 358.80               | 10,266.2      | 3,158.1       | -537.3        | 0.44                | -0.43                 | -0.11               | 1.2                    | 8.2                     |



Midland PVA

|                  |                             |                                     |                      |
|------------------|-----------------------------|-------------------------------------|----------------------|
| <b>Company:</b>  | EOG Resources - Midland     | <b>Local Co-ordinate Reference:</b> | Well #302H           |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | KB = 25 @ 3512.0usft |
| <b>Site:</b>     | Dragon 36 State             | <b>MD Reference:</b>                | KB = 25 @ 3512.0usft |
| <b>Well:</b>     | #302H                       | <b>North Reference:</b>             | Grid                 |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature    |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | EDM 5000.14          |

| Survey                           |            |                      |               |               |               |                     |                      |                     |                        |                         |
|----------------------------------|------------|----------------------|---------------|---------------|---------------|---------------------|----------------------|---------------------|------------------------|-------------------------|
| MD<br>(usft)                     | Inc<br>(") | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Buile<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |
| 14,007.0                         | 92.20      | 0.00                 | 10,264.1      | 3,252.0       | -538.3        | 2.39                | 2.02                 | 1.28                | 0.5                    | 8.5                     |
| 14,102.0                         | 92.10      | 359.90               | 10,260.6      | 3,347.0       | -538.3        | 0.15                | -0.11                | -0.11               | -1.6                   | 7.8                     |
| 14,196.0                         | 91.50      | 359.20               | 10,257.6      | 3,440.9       | -539.1        | 0.98                | -0.64                | -0.74               | -3.2                   | 7.9                     |
| 14,291.0                         | 91.20      | 359.00               | 10,255.4      | 3,535.9       | -540.6        | 0.38                | -0.32                | -0.21               | -4.0                   | 8.6                     |
| 14,385.0                         | 91.20      | 359.00               | 10,253.4      | 3,629.8       | -542.2        | 0.00                | 0.00                 | 0.00                | -4.5                   | 9.5                     |
| 14,479.0                         | 90.80      | 358.50               | 10,251.8      | 3,723.8       | -544.3        | 0.68                | -0.43                | -0.53               | -4.8                   | 10.9                    |
| 14,573.0                         | 89.70      | 358.20               | 10,251.4      | 3,817.8       | -547.0        | 1.21                | -1.17                | -0.32               | -3.8                   | 12.9                    |
| 14,667.0                         | 89.20      | 357.80               | 10,252.3      | 3,911.7       | -550.2        | 0.68                | -0.53                | -0.43               | -1.5                   | 15.4                    |
| 14,761.0                         | 89.40      | 358.50               | 10,253.4      | 4,005.6       | -553.3        | 0.77                | 0.21                 | 0.74                | 1.1                    | 17.8                    |
| 14,855.0                         | 89.50      | 359.90               | 10,254.3      | 4,099.6       | -554.6        | 1.49                | 0.11                 | 1.49                | 3.5                    | 18.4                    |
| 15,000.0                         | 89.50      | 1.10                 | 10,255.6      | 4,244.6       | -553.3        | 0.83                | 0.00                 | 0.83                | 7.1                    | 16.0                    |
| Last MWD Survey (MD = 15000.0)   |            |                      |               |               |               |                     |                      |                     |                        |                         |
| 15,200.0                         | 89.50      | 1.10                 | 10,257.3      | 4,444.6       | -549.5        | 0.00                | 0.00                 | 0.00                | 12.0                   | 10.6                    |
| Projection to Bit (MD = 15200.0) |            |                      |               |               |               |                     |                      |                     |                        |                         |

| Design Annotations          |                             |                   |                |                                                                |
|-----------------------------|-----------------------------|-------------------|----------------|----------------------------------------------------------------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates |                | Comment                                                        |
|                             |                             | +N/S<br>(usft)    | +E/W<br>(usft) |                                                                |
| 9,713.0                     | 9,663.9                     | -695.5            | -379.8         | KOP 9713.0' MD; 9663.9' TVD; -695.5'; -379.8'; 2.83            |
| 10,012.3                    | 9,947.9                     | -613.0            | -385.9         | FTP Crossing 10012.3' MD; 9947.9' TVD; -613.0'; -385.9'; 31.80 |
| 15,000.0                    | 10,255.6                    | 4,244.6           | -553.3         | Last MWD Survey (MD = 15000.0)                                 |
| 15,200.0                    | 10,257.3                    | 4,444.6           | -549.5         | Projection to Bit (MD = 15200.0)                               |

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_





Lea County, NM (NAD 83 NME)

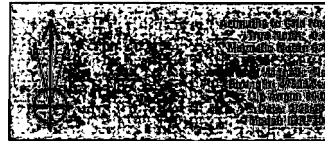
Dragon 36 State

#302H

Plan #1

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: New Mexico Eastern Zone  
System Datum: Mean Sea Level



To convert a Magnetic Direction to a Grid Direction, Add 8.41°  
To convert a Magnetic Direction to a True Direction, Add 8.84° East  
To convert a True Direction to a Grid Direction, Subtract 0.43°

WELL DETAILS: #302H

| +N-S | +E-W | Northing  | KB = 25 @ 3512.0m | Latitude        | Longitude         | Spot |
|------|------|-----------|-------------------|-----------------|-------------------|------|
| 0.0  | 0.0  | 426078.00 |                   | 32° 10' 7.502 N | 103° 31' 11.220 W |      |

SECTION DETAILS

| Sec | MD      | Inc   | Azi    | TVD     | +N-S   | +E-W   | Dieg  | TFace   | VSec   | Target                            |
|-----|---------|-------|--------|---------|--------|--------|-------|---------|--------|-----------------------------------|
| 1   | 1254.0  | 0.40  | 352.40 | 1253.9  | 7.7    | -2.7   | 0.00  | 0.00    | 7.9    |                                   |
| 2   | 1354.0  | 0.40  | 352.40 | 1353.9  | 8.4    | -2.8   | 0.00  | 0.00    | 8.6    |                                   |
| 3   | 1730.1  | 7.20  | 209.27 | 1729.0  | -10.9  | -14.5  | 2.00  | -144.94 | -9.1   |                                   |
| 4   | 7518.7  | 7.20  | 209.27 | 7470.1  | -643.3 | -369.0 | 0.00  | 0.00    | -594.4 |                                   |
| 5   | 7876.6  | 0.00  | 0.00   | 7829.0  | -663.0 | -380.0 | 2.00  | 180.00  | -612.7 | Brushy Top(Dragon 36 State #302H) |
| 6   | 9770.6  | 0.00  | 0.00   | 9723.0  | -663.0 | -380.0 | 0.00  | 0.00    | -612.7 |                                   |
| 7   | 10673.3 | 90.27 | 351.01 | 10296.0 | -94.4  | -470.0 | 10.00 | 351.01  | -37.4  |                                   |
| 8   | 10925.9 | 90.27 | 358.59 | 10294.8 | 157.0  | -492.8 | 3.00  | 89.96   | 215.0  | TGT#1(Dragon 36 State #302H)      |
| 9   | 11714.5 | 90.27 | 358.59 | 10291.0 | 945.4  | -512.2 | 0.00  | 0.00    | 1000.0 |                                   |
| 10  | 11785.4 | 90.46 | 359.59 | 10290.7 | 996.2  | -513.0 | 2.00  | 79.37   | 1050.5 | TGT#2(Dragon 36 State #302H)      |
| 11  | 12721.0 | 90.46 | 359.59 | 10283.0 | 1951.8 | -519.9 | 0.00  | 0.00    | 2000.0 |                                   |
| 12  | 12740.9 | 90.86 | 359.56 | 10282.8 | 1971.7 | -520.0 | 2.00  | -3.66   | 2019.8 |                                   |
| 13  | 13727.4 | 90.86 | 359.56 | 10268.0 | 2958.1 | -527.5 | 0.00  | 0.00    | 3000.0 |                                   |
| 14  | 13790.0 | 90.86 | 359.56 | 10267.1 | 3020.6 | -528.0 | 0.00  | 0.00    | 3062.1 |                                   |
| 15  | 14733.9 | 90.86 | 359.56 | 10253.0 | 3964.4 | -535.2 | 0.00  | 0.00    | 4000.0 |                                   |
| 16  | 14736.9 | 90.92 | 359.56 | 10253.0 | 3967.4 | -535.2 | 2.00  | 0.24    | 4002.9 |                                   |
| 17  | 15233.6 | 90.92 | 359.56 | 10245.0 | 4464.0 | -539.0 | 0.00  | 0.00    | 4498.4 | PBHL(Dragon 36 State #302H)       |

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

| Name                              | TVD     | +N-S   | +E-W   | Northing  | Easting   | Shape                        |
|-----------------------------------|---------|--------|--------|-----------|-----------|------------------------------|
| Brushy Top(Dragon 36 State #302H) | 7829.0  | -663.0 | -380.0 | 426415.00 | 792888.00 | Polygon                      |
| PBHL(Dragon 36 State #302H)       | 10245.0 | 4464.0 | -539.0 | 430542.00 | 792830.00 | Rectangle (Sides: L0.0 W6.0) |
| TGT#1(Dragon 36 State #302H)      | 10253.0 | 3964.4 | -535.2 | 430042.40 | 792833.80 | Point                        |
| TGT#2(Dragon 36 State #302H)      | 10268.0 | 2958.1 | -527.5 | 429038.10 | 792541.48 | Point                        |
| TGT#3(Dragon 36 State #302H)      | 10283.0 | 1951.8 | -519.9 | 428029.80 | 792549.11 | Point                        |
| TGT#4(Dragon 36 State #302H)      | 10291.0 | 945.4  | -512.2 | 427022.40 | 792558.77 | Point                        |
| FTF(Dragon 36 State #302H)        | 10299.0 | -613.0 | -600.0 | 425465.00 | 792569.50 | Point                        |

