

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources  
Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                         |  |                                                   |  |                                                                      |                                  |
|-----------------------------------------|--|---------------------------------------------------|--|----------------------------------------------------------------------|----------------------------------|
| <sup>1</sup> API Number<br>30-025-46340 |  | <sup>2</sup> Pool Code<br>98180                   |  | <sup>3</sup> Pool Name<br>WC025 G09 S253309P; UPR WOLFCAMP <b>Kz</b> |                                  |
| <sup>4</sup> Property Code<br>321651    |  | <sup>5</sup> Property Name<br>SAVAGE 2 STATE COM  |  |                                                                      | <sup>6</sup> Well Number<br>723H |
| <sup>7</sup> OGRID No.<br>7377          |  | <sup>8</sup> Operator Name<br>EOG RESOURCES, INC. |  |                                                                      | <sup>9</sup> Elevation<br>3535'  |

<sup>10</sup>Surface Location

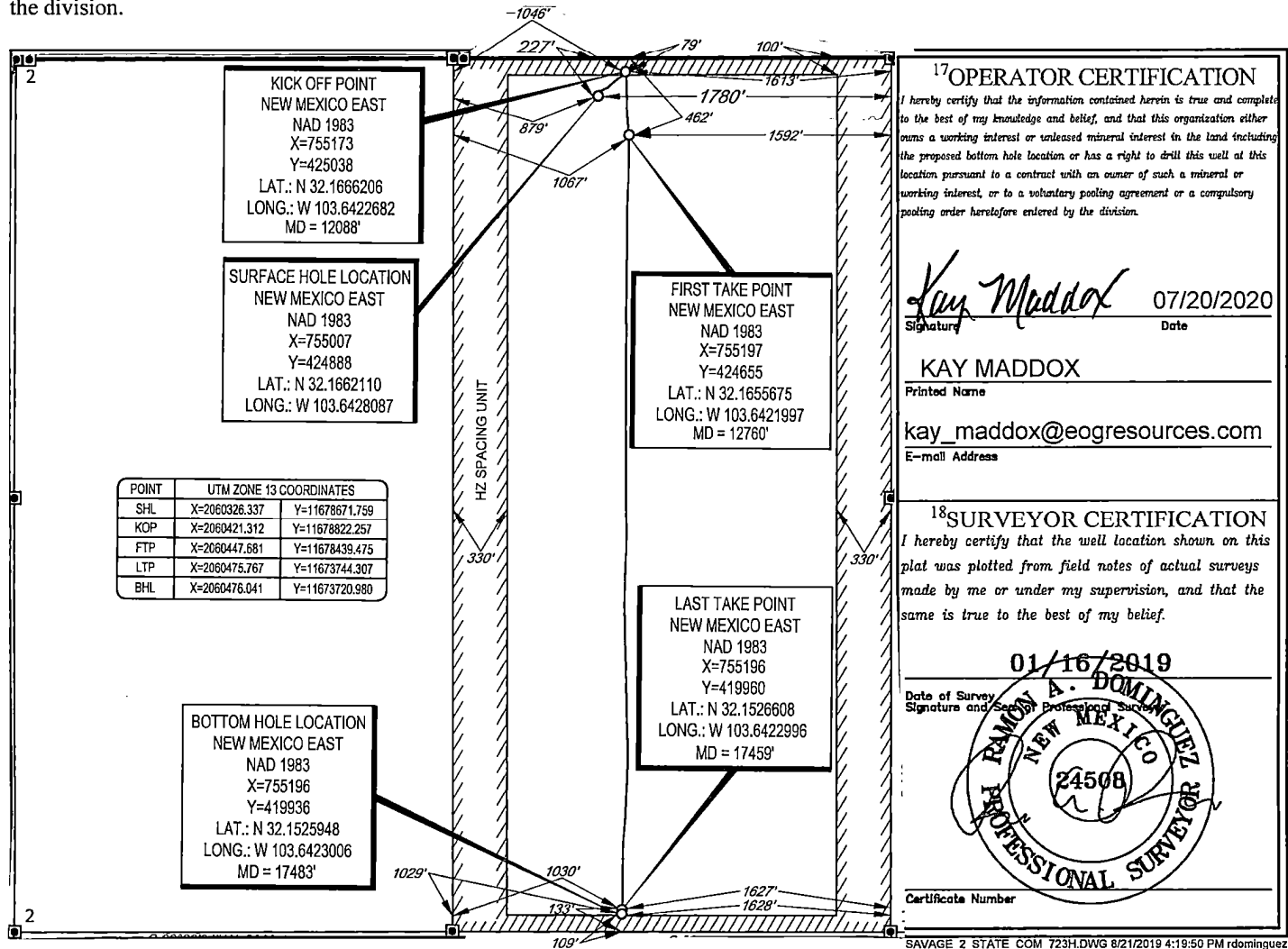
| UL or lot no. | Section  | Township    | Range       | Lot Idn  | Feet from the | North/South line | Feet from the | East/West line | County     |
|---------------|----------|-------------|-------------|----------|---------------|------------------|---------------|----------------|------------|
| <b>B</b>      | <b>2</b> | <b>25-S</b> | <b>32-E</b> | <b>-</b> | <b>227'</b>   | <b>NORTH</b>     | <b>1780'</b>  | <b>EAST</b>    | <b>LEA</b> |

<sup>11</sup>Bottom Hole Location If Different From Surface

| UL or lot no. | Section  | Township    | Range       | Lot Idn  | Feet from the | North/South line | Feet from the | East/West line | County     |
|---------------|----------|-------------|-------------|----------|---------------|------------------|---------------|----------------|------------|
| <b>0</b>      | <b>2</b> | <b>25-S</b> | <b>32-E</b> | <b>-</b> | <b>109'</b>   | <b>SOUTH</b>     | <b>1628'</b>  | <b>EAST</b>    | <b>LEA</b> |

|                                                |                               |                                  |                                      |
|------------------------------------------------|-------------------------------|----------------------------------|--------------------------------------|
| <sup>12</sup> Dedicated Acres<br><b>320.67</b> | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No.<br><b>SL</b> |
|------------------------------------------------|-------------------------------|----------------------------------|--------------------------------------|

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.





Intent ☐ As Drilled ☒API #  
30-025-46340Operator Name:  
EOG RESOURCES, INCProperty Name:  
SAVAGE 2 STATE COMWell Number  
723H

## Kick Off Point (KOP)

|                        |              |                 |              |     |                          |                   |              |                  |               |
|------------------------|--------------|-----------------|--------------|-----|--------------------------|-------------------|--------------|------------------|---------------|
| UL<br>B                | Section<br>2 | Township<br>25S | Range<br>32E | Lot | Feet<br>79               | From N/S<br>NORTH | Feet<br>1613 | From E/W<br>EAST | County<br>LEA |
| Latitude<br>32.1666206 |              |                 |              |     | Longitude<br>103.6422682 |                   |              | NAD<br>1983      |               |

## First Take Point (FTP)

|                        |              |                 |              |     |                          |                   |              |                  |               |
|------------------------|--------------|-----------------|--------------|-----|--------------------------|-------------------|--------------|------------------|---------------|
| UL<br>B                | Section<br>2 | Township<br>25S | Range<br>32E | Lot | Feet<br>462              | From N/S<br>NORTH | Feet<br>1592 | From E/W<br>EAST | County<br>LEA |
| Latitude<br>32.1655675 |              |                 |              |     | Longitude<br>103.6421997 |                   |              | NAD<br>1983      |               |

## Last Take Point (LTP)

|                        |              |                 |              |     |                          |                   |              |                  |               |
|------------------------|--------------|-----------------|--------------|-----|--------------------------|-------------------|--------------|------------------|---------------|
| UL<br>O                | Section<br>2 | Township<br>25S | Range<br>32E | Lot | Feet<br>133              | From N/S<br>SOUTH | Feet<br>1627 | From E/W<br>EAST | County<br>LEA |
| Latitude<br>32.1526608 |              |                 |              |     | Longitude<br>103.6422996 |                   |              | NAD<br>1983      |               |

Is this well the defining well for the Horizontal Spacing Unit?

☒

Is this well an infill well?

☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

Operator Name:  
EOG RESOURCES, INC

Property Name:

Well Number



## **EOG Resources - Midland**

Lea County, NM (NAD 83 NME)

Savage 2 State Com

#723H

OH

Design: OH

## **Midland PVA**

22 October, 2019



Midland PVA

|           |                             |                              |                      |
|-----------|-----------------------------|------------------------------|----------------------|
| Company:  | EOG Resources - Midland     | Local Co-ordinate Reference: | Well #723H           |
| Project:  | Lea County, NM (NAD 83 NME) | TVD Reference:               | KB = 25 @ 3560.0usft |
| Site:     | Savage 2 State Com          | MD Reference:                | KB = 25 @ 3560.0usft |
| Well:     | #723H                       | North Reference:             | Grid                 |
| Wellbore: | OH                          | Survey Calculation Method:   | Minimum Curvature    |
| Design:   | OH                          | Database:                    | EDM 5000.14          |

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

|                       |                    |                   |                   |
|-----------------------|--------------------|-------------------|-------------------|
| Site                  | Savage 2 State Com |                   |                   |
| Site Position:        |                    | Northing:         | 424,469.00 usft   |
| From:                 | Map                | Easting:          | 751,845.00 usft   |
| Position Uncertainty: | 0.0 usft           | Slot Radius:      | 13-3/16 "         |
|                       |                    | Latitude:         | 32° 9' 54.412 N   |
|                       |                    | Longitude:        | 103° 39' 10.929 W |
|                       |                    | Grid Convergence: | 0.36 °            |

|                      |                                  |                       |                                    |
|----------------------|----------------------------------|-----------------------|------------------------------------|
| Well                 | #723H                            |                       |                                    |
| Well Position        | +N/-S<br>+E/-W                   | Northing:<br>Easting: | 424,888.00 usft<br>755,007.00 usft |
| Position Uncertainty | 0.0 usft<br>0.0 usft<br>0.0 usft | Wellhead Elevation:   | usft                               |
|                      |                                  | Latitude:             | 32° 9' 58.369 N                    |
|                      |                                  | Longitude:            | 103° 38' 34.113 W                  |
|                      |                                  | Ground Level:         | 3,535.0 usft                       |

|           |            |             |                 |
|-----------|------------|-------------|-----------------|
| Wellbore  | OH         |             |                 |
| Magnetics | Model Name | Sample Date | Field Strength  |
|           | IGRF2015   | 9/22/2019   | (nT)            |
|           |            | 6.74        | 59.97           |
|           |            |             | 47,662.79565778 |

|                   |                  |               |           |
|-------------------|------------------|---------------|-----------|
| Design            | OH               |               |           |
| Audit Notes:      |                  |               |           |
| Version:          | 1.0              | Phase:        | ACTUAL    |
|                   |                  | Tie On Depth: | 0.0       |
| Vertical Section: | Depth From (TVD) | +N/-S         | Direction |
|                   | (usft)           | (usft)        | (°)       |
|                   | 0.0              | 0.0           | 177.61    |

|                |           |                   |                     |
|----------------|-----------|-------------------|---------------------|
| Survey Program | Date      | 10/22/2019        |                     |
| From (usft)    | To (usft) | Survey (Wellbore) | Tool Name           |
| 174.0          | 17,483.0  | Driltech MWD (OH) | MWD                 |
|                |           |                   | OWSG MWD - Standard |



Midland PVA

|                  |                             |                                     |                      |
|------------------|-----------------------------|-------------------------------------|----------------------|
| <b>Company:</b>  | EOG Resources - Midland     | <b>Local Co-ordinate Reference:</b> | Well #723H           |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | KB = 25 @ 3560.0usft |
| <b>Site:</b>     | Savage 2 State Com          | <b>MD Reference:</b>                | KB = 25 @ 3560.0usft |
| <b>Well:</b>     | #723H                       | <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) | D/Leg<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                     |
|        | 174.0        | 0.62        | 68.32                | 174.0         | 0.3           | 0.9           | 0.36                 | 0.36                 | 0.00                | -0.9                   | 0.0                     |
|        | 231.0        | 0.79        | 66.91                | 231.0         | 0.6           | 1.5           | 0.30                 | 0.30                 | -2.47               | -1.6                   | 0.0                     |
|        | 318.0        | 0.97        | 62.17                | 318.0         | 1.2           | 2.7           | 0.22                 | 0.21                 | -5.45               | -3.0                   | -0.2                    |
|        | 409.0        | 1.23        | 54.79                | 409.0         | 2.1           | 4.2           | 0.32                 | 0.29                 | -8.11               | -4.7                   | -0.7                    |
|        | 589.0        | 1.93        | 42.74                | 588.9         | 5.5           | 7.8           | 0.43                 | 0.39                 | -6.69               | -9.3                   | -2.1                    |
|        | 686.0        | 2.29        | 45.21                | 685.8         | 8.0           | 10.3          | 0.38                 | 0.37                 | 2.55                | -13.0                  | -1.6                    |
|        | 780.0        | 2.29        | 45.82                | 779.8         | 10.7          | 13.0          | 0.03                 | 0.00                 | 0.65                | -16.8                  | -1.4                    |
|        | 873.0        | 1.93        | 33.96                | 872.7         | 13.2          | 15.2          | 0.61                 | -0.39                | -12.75              | -19.5                  | -5.2                    |
|        | 990.0        | 1.85        | 1.52                 | 989.6         | 16.8          | 16.4          | 0.90                 | -0.07                | -27.73              | -17.2                  | -15.9                   |
|        | 1,080.0      | 2.11        | 353.61               | 1,079.6       | 19.9          | 16.2          | 0.42                 | 0.29                 | -8.79               | -17.9                  | -18.3                   |
|        | 1,142.0      | 2.02        | 350.27               | 1,141.5       | 22.1          | 15.9          | 0.24                 | -0.15                | -5.39               | -19.1                  | -19.4                   |
|        | 1,236.0      | 1.85        | 350.01               | 1,235.5       | 25.2          | 15.4          | 0.18                 | -0.18                | -0.28               | -22.2                  | -19.5                   |
|        | 1,330.0      | 1.67        | 354.23               | 1,329.4       | 28.1          | 15.0          | 0.24                 | -0.19                | 4.49                | -26.4                  | -17.7                   |
|        | 1,422.0      | 1.49        | 358.36               | 1,421.4       | 30.6          | 14.8          | 0.23                 | -0.20                | 4.49                | -30.2                  | -15.7                   |
|        | 1,516.0      | 1.58        | 2.14                 | 1,515.4       | 33.1          | 14.8          | 0.14                 | 0.10                 | 4.02                | -33.6                  | -13.6                   |
|        | 1,610.0      | 1.14        | 0.29                 | 1,609.3       | 35.3          | 14.9          | 0.47                 | -0.47                | -1.97               | -35.4                  | -14.7                   |
|        | 1,703.0      | 1.49        | 234.61               | 1,702.3       | 35.6          | 13.9          | 2.52                 | 0.38                 | -135.14             | 31.9                   | -21.0                   |
|        | 1,797.0      | 1.23        | 233.03               | 1,796.3       | 34.3          | 12.1          | 0.28                 | -0.28                | -1.68               | 30.2                   | -20.1                   |
|        | 1,891.0      | 0.97        | 242.61               | 1,890.3       | 33.3          | 10.6          | 0.34                 | -0.28                | 10.19               | 24.7                   | -24.7                   |
|        | 1,985.0      | 0.70        | 231.80               | 1,984.3       | 32.6          | 9.4           | 0.33                 | -0.29                | -11.50              | 27.5                   | -19.8                   |
|        | 2,078.0      | 0.79        | 231.18               | 2,077.3       | 31.8          | 8.5           | 0.10                 | 0.10                 | -0.67               | 26.5                   | -19.5                   |
|        | 2,172.0      | 0.88        | 222.22               | 2,171.3       | 30.9          | 7.5           | 0.17                 | 0.10                 | -9.53               | 27.9                   | -15.2                   |
|        | 2,266.0      | 0.88        | 216.94               | 2,265.3       | 29.8          | 6.5           | 0.09                 | 0.00                 | -5.62               | 27.7                   | -12.6                   |
|        | 2,360.0      | 0.97        | 212.55               | 2,359.2       | 28.5          | 5.7           | 0.12                 | 0.10                 | -4.67               | 27.1                   | -10.5                   |
|        | 2,454.0      | 0.79        | 216.15               | 2,453.2       | 27.3          | 4.9           | 0.20                 | -0.19                | 3.83                | 24.9                   | -12.2                   |
|        | 2,548.0      | 2.55        | 77.90                | 2,547.2       | 27.2          | 6.5           | 3.39                 | 1.87                 | -147.07             | -11.8                  | 25.1                    |



Midland PVA

Company: EOG Resources - Midland  
Project: Lea County, NM (NAD 83 NME)  
Site: Savage 2 State Com  
Well: #723H  
Wellbore: OH  
Design: OH

Local Co-ordinate Reference:  
TVD Reference: KB = 25 @ 3560.0usft  
MD Reference: KB = 25 @ 3560.0usft  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Database: EDM 5000.14

| Survey | MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | D/Leg<br>(°/100usft) | Bu/d<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |
|--------|--------------|------------|----------------------|---------------|---------------|---------------|----------------------|---------------------|---------------------|------------------------|-------------------------|
|        | 2,641.0      | 5.28       | 65.33                | 2,640.0       | 29.4          | 12.5          | 3.06                 | 2.94                | -13.52              | -20.3                  | 20.6                    |
|        | 2,735.0      | 6.42       | 62.96                | 2,733.5       | 33.6          | 21.1          | 1.24                 | 1.21                | -2.52               | -24.7                  | 18.1                    |
|        | 2,829.0      | 6.24       | 64.45                | 2,826.9       | 38.2          | 30.4          | 0.26                 | -0.19               | 1.59                | -25.8                  | 16.5                    |
|        | 2,922.0      | 6.24       | 65.86                | 2,919.4       | 42.5          | 39.5          | 0.16                 | 0.00                | 1.52                | -26.2                  | 14.5                    |
|        | 3,015.0      | 6.16       | 67.79                | 3,011.8       | 46.4          | 48.8          | 0.24                 | -0.09               | 2.08                | -26.5                  | 12.5                    |
|        | 3,109.0      | 6.33       | 51.18                | 3,105.3       | 51.6          | 57.5          | 1.92                 | 0.18                | -17.67              | -29.2                  | 2.7                     |
|        | 3,202.0      | 6.68       | 49.60                | 3,197.7       | 58.3          | 65.6          | 0.42                 | 0.38                | -1.70               | -30.0                  | 1.7                     |
|        | 3,296.0      | 6.68       | 48.81                | 3,291.0       | 65.5          | 73.9          | 0.10                 | 0.00                | -0.84               | -31.2                  | 1.3                     |
|        | 3,389.0      | 5.54       | 46.26                | 3,383.5       | 72.1          | 81.2          | 1.26                 | -1.23               | -2.74               | -31.4                  | 0.3                     |
|        | 3,483.0      | 5.54       | 47.05                | 3,477.1       | 78.3          | 87.8          | 0.08                 | 0.00                | 0.84                | -30.7                  | 1.2                     |
|        | 3,577.0      | 5.19       | 46.88                | 3,570.6       | 84.3          | 94.2          | 0.37                 | -0.37               | -0.18               | -29.6                  | 1.5                     |
|        | 3,671.0      | 5.28       | 52.85                | 3,664.3       | 89.9          | 100.7         | 0.59                 | 0.10                | 6.35                | -28.1                  | 4.4                     |
|        | 3,764.0      | 5.45       | 54.08                | 3,756.9       | 95.0          | 107.7         | 0.22                 | 0.18                | 1.32                | -27.0                  | 4.3                     |
|        | 3,858.0      | 5.01       | 53.73                | 3,850.5       | 100.1         | 114.7         | 0.47                 | -0.47               | -0.37               | -25.8                  | 3.4                     |
|        | 3,953.0      | 4.40       | 50.30                | 3,945.1       | 104.9         | 120.8         | 0.71                 | -0.64               | -3.61               | -23.8                  | 1.4                     |
|        | 4,046.0      | 6.07       | 45.03                | 4,037.7       | 110.6         | 127.0         | 1.87                 | 1.80                | -5.67               | -22.6                  | -0.3                    |
|        | 4,140.0      | 6.24       | 53.29                | 4,131.2       | 117.2         | 134.6         | 0.96                 | 0.18                | 8.79                | -22.6                  | 2.9                     |
|        | 4,234.0      | 6.33       | 67.88                | 4,224.6       | 122.2         | 143.5         | 1.70                 | 0.10                | 15.52               | -22.0                  | 6.7                     |
|        | 4,327.0      | 6.24       | 74.03                | 4,317.1       | 125.5         | 153.1         | 0.73                 | -0.10               | 6.61                | -22.5                  | 5.5                     |
|        | 4,419.0      | 6.07       | 53.99                | 4,408.6       | 129.7         | 161.9         | 2.33                 | -0.18               | -21.78              | -23.0                  | -5.0                    |
|        | 4,512.0      | 6.60       | 59.44                | 4,501.0       | 135.4         | 170.5         | 0.86                 | 0.57                | 5.86                | -24.0                  | -4.0                    |
|        | 4,605.0      | 6.68       | 61.64                | 4,593.4       | 140.6         | 179.8         | 0.29                 | 0.09                | 2.37                | -25.4                  | -4.9                    |
|        | 4,699.0      | 7.12       | 55.14                | 4,686.7       | 146.6         | 189.4         | 0.95                 | 0.47                | -6.91               | -26.2                  | -9.3                    |
|        | 4,793.0      | 5.54       | 45.91                | 4,780.1       | 153.1         | 197.5         | 1.99                 | -1.68               | -9.82               | -24.9                  | -13.7                   |
|        | 4,885.0      | 3.96       | 22.71                | 4,871.8       | 159.1         | 201.9         | 2.67                 | -1.72               | -25.22              | -16.2                  | -19.8                   |
|        | 4,979.0      | 3.69       | 22.35                | 4,965.6       | 164.9         | 204.3         | 0.29                 | -0.29               | -0.38               | -13.5                  | -15.5                   |
|        | 5,072.0      | 3.87       | 21.30                | 5,058.4       | 170.6         | 206.6         | 0.21                 | 0.19                | -1.13               | -10.8                  | -11.2                   |



Midland PVA

Company: EOG Resources - Midland  
Project: Lea County, NM (NAD 83 NME)  
Site: Savage 2 State Com  
Well: #723H  
Wellbore: OH  
Design: OH

Local Co-ordinate Reference: Well #723H  
TVD Reference: KB = 25 @ 3560.0usft  
MD Reference: KB = 25 @ 3560.0usft  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
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) | Build<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |
|-------------------------------|--------------|------------|----------------------|---------------|---------------|---------------|---------------------|----------------------|---------------------|------------------------|-------------------------|
|                               | 5,165.0      | 3.96       | 17.34                | 5,151.2       | 176.6         | 208.7         | 0.31                | 0.10                 | -4.26               | -8.2                   | -7.1                    |
|                               | 5,259.0      | 3.78       | 17.52                | 5,245.0       | 182.6         | 210.6         | 0.19                | -0.19                | 0.19                | -8.4                   | -3.2                    |
|                               | 5,353.0      | 2.64       | 12.95                | 5,338.8       | 187.7         | 212.0         | 1.24                | -1.21                | -4.86               | -10.0                  | -1.6                    |
|                               | 5,447.0      | 1.14       | 39.32                | 5,432.8       | 190.5         | 213.1         | 1.80                | -1.60                | 28.05               | -11.5                  | 4.2                     |
|                               | 5,541.0      | 1.41       | 38.88                | 5,526.7       | 192.1         | 214.4         | 0.29                | 0.29                 | -0.47               | -13.6                  | 4.1                     |
|                               | 5,633.0      | 1.41       | 40.37                | 5,618.7       | 193.9         | 215.8         | 0.04                | 0.00                 | 1.62                | -15.7                  | 4.4                     |
|                               | 5,726.0      | 1.32       | 40.28                | 5,711.7       | 195.6         | 217.2         | 0.10                | -0.10                | -0.10               | -18.0                  | 4.4                     |
|                               | 5,819.0      | 1.23       | 26.13                | 5,804.7       | 197.3         | 218.4         | 0.35                | -0.10                | -15.22              | -20.5                  | -0.4                    |
|                               | 5,913.0      | 1.23       | 29.12                | 5,898.6       | 199.1         | 219.3         | 0.07                | 0.00                 | 3.18                | -22.5                  | 0.7                     |
|                               | 6,006.0      | 1.14       | 29.03                | 5,991.6       | 200.7         | 220.3         | 0.10                | -0.10                | -0.10               | -24.5                  | 0.7                     |
|                               | 6,100.0      | 0.62       | 72.36                | 6,085.6       | 201.7         | 221.2         | 0.86                | -0.55                | 46.10               | -18.5                  | 18.0                    |
|                               | 6,194.0      | 1.32       | 225.21               | 6,179.6       | 201.1         | 220.9         | 2.01                | 0.74                 | 162.61              | 24.0                   | -7.3                    |
|                               | 6,288.0      | 1.14       | 223.71               | 6,273.6       | 199.7         | 219.5         | 0.19                | -0.19                | -1.60               | 22.2                   | -6.7                    |
|                               | 6,382.0      | 1.14       | 222.04               | 6,367.6       | 198.3         | 218.2         | 0.04                | 0.00                 | -1.78               | 20.5                   | -6.1                    |
|                               | 6,475.0      | 1.23       | 232.32               | 6,460.6       | 197.0         | 216.8         | 0.25                | 0.10                 | 11.05               | 17.2                   | -9.5                    |
|                               | 6,568.0      | 1.41       | 236.28               | 6,553.5       | 195.8         | 215.1         | 0.22                | 0.19                 | 4.26                | 14.3                   | -10.6                   |
|                               | 6,662.0      | 1.32       | 236.02               | 6,647.5       | 194.5         | 213.2         | 0.10                | -0.10                | -0.28               | 12.2                   | -10.5                   |
|                               | 6,755.0      | 1.23       | 235.75               | 6,740.5       | 193.3         | 211.5         | 0.10                | -0.10                | -0.29               | 10.1                   | -10.5                   |
|                               | 6,849.0      | 1.23       | 230.57               | 6,834.5       | 192.1         | 209.9         | 0.12                | 0.00                 | -5.51               | 9.0                    | -9.6                    |
|                               | 6,943.0      | 1.32       | 224.33               | 6,928.4       | 190.7         | 208.3         | 0.18                | 0.10                 | -6.64               | 7.9                    | -8.7                    |
|                               | 7,037.0      | 1.32       | 217.21               | 7,022.4       | 189.1         | 206.9         | 0.17                | 0.00                 | -7.57               | 6.8                    | -7.7                    |
|                               | 7,131.0      | 1.49       | 225.91               | 7,116.4       | 187.4         | 205.4         | 0.29                | 0.18                 | 9.26                | 3.2                    | -8.5                    |
|                               | 7,224.0      | 1.32       | 226.44               | 7,209.4       | 185.8         | 203.8         | 0.18                | -0.18                | 0.57                | 0.9                    | -8.5                    |
|                               | 7,271.7      | 1.32       | 223.18               | 7,257.0       | 185.0         | 203.0         | 0.16                | 0.00                 | -6.83               | 0.3                    | -8.5                    |
| Brushy Top(Savage 2 SC #723H) |              |            |                      |               |               |               |                     |                      |                     |                        |                         |
|                               | 7,318.0      | 1.32       | 220.02               | 7,303.3       | 184.2         | 202.3         | 0.16                | 0.00                 | -6.83               | -0.3                   | -8.5                    |
|                               | 7,412.0      | 1.49       | 215.01               | 7,397.3       | 182.4         | 200.9         | 0.22                | 0.18                 | -5.33               | -1.9                   | -8.6                    |



Midland PVA

| Company: EOG Resources - Midland     |         | Local Co-ordinate Reference: Well #723H |             |            |            |                  |                   |                  |                     |                      |
|--------------------------------------|---------|-----------------------------------------|-------------|------------|------------|------------------|-------------------|------------------|---------------------|----------------------|
| Project: Lea County, NM (NAD 83 NME) |         | TVD Reference: KB = 25 @ 3560.0usft     |             |            |            |                  |                   |                  |                     |                      |
| Site: Savage 2 State Com             |         | MD Reference: KB = 25 @ 3560.0usft      |             |            |            |                  |                   |                  |                     |                      |
| Well: #723H                          |         | Grid                                    |             |            |            |                  |                   |                  |                     |                      |
| Wellbore: OH                         |         | Minimum Curvature                       |             |            |            |                  |                   |                  |                     |                      |
| Design: OH                           |         | EDM 5000.14                             |             |            |            |                  |                   |                  |                     |                      |
| Survey                               |         | Survey Calculation Method: Database:    |             |            |            |                  |                   |                  |                     |                      |
| 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) |
| 7,505.0                              | 1.41    | 212.02                                  | 7,490.3     | 180.4      | 199.6      | 0.12             | -0.09             | -3.22            | -3.8                | -8.7                 |
| 7,598.0                              | 1.32    | 208.24                                  | 7,583.2     | 178.5      | 198.5      | 0.14             | -0.10             | -4.06            | -5.4                | -9.1                 |
| 7,692.0                              | 1.06    | 192.95                                  | 7,677.2     | 176.7      | 197.8      | 0.43             | -0.28             | -16.27           | -4.7                | -10.4                |
| 7,785.0                              | 1.23    | 187.41                                  | 7,770.2     | 174.9      | 197.4      | 0.22             | 0.18              | -5.96            | -5.6                | -10.9                |
| 7,879.0                              | 1.32    | 200.86                                  | 7,864.2     | 172.9      | 196.9      | 0.33             | 0.10              | 14.31            | -10.0               | -9.1                 |
| 7,972.0                              | 1.41    | 207.89                                  | 7,957.2     | 170.9      | 196.0      | 0.20             | 0.10              | 7.56             | -13.3               | -7.7                 |
| 8,065.0                              | 1.41    | 207.63                                  | 8,050.1     | 168.8      | 194.9      | 0.01             | 0.00              | -0.28            | -15.5               | -7.7                 |
| 8,158.0                              | 1.49    | 205.96                                  | 8,143.1     | 166.7      | 193.9      | 0.10             | 0.09              | -1.80            | -17.6               | -8.2                 |
| 8,251.0                              | 1.58    | 212.81                                  | 8,236.1     | 164.6      | 192.7      | 0.22             | 0.10              | 7.37             | -21.0               | -5.9                 |
| 8,345.0                              | 1.58    | 213.43                                  | 8,330.0     | 162.4      | 191.2      | 0.02             | 0.00              | 0.66             | -23.6               | -5.7                 |
| 8,438.0                              | 1.67    | 213.96                                  | 8,423.0     | 160.2      | 189.8      | 0.10             | 0.10              | 0.57             | -26.3               | -5.4                 |
| 8,531.0                              | 1.76    | 222.13                                  | 8,515.9     | 158.0      | 188.1      | 0.28             | 0.10              | 8.78             | -29.6               | -1.5                 |
| 8,625.0                              | 1.58    | 216.15                                  | 8,609.9     | 155.9      | 186.3      | 0.27             | -0.19             | -6.36            | -32.0               | -4.7                 |
| 8,718.0                              | 1.58    | 220.99                                  | 8,702.9     | 153.9      | 184.7      | 0.14             | 0.00              | 5.20             | -34.9               | -1.9                 |
| 8,812.0                              | 1.67    | 224.59                                  | 8,796.8     | 151.9      | 182.9      | 0.14             | 0.10              | 3.83             | -37.6               | 0.4                  |
| 8,906.0                              | 1.41    | 232.59                                  | 8,890.8     | 150.3      | 181.0      | 0.36             | -0.28             | 8.51             | -39.7               | 5.8                  |
| 9,000.0                              | 0.53    | 53.12                                   | 8,984.8     | 149.8      | 180.5      | 2.06             | -0.94             | -190.93          | 40.3                | -6.2                 |
| 9,093.0                              | 0.88    | 86.69                                   | 9,077.8     | 150.1      | 181.5      | 0.57             | 0.38              | 36.10            | 29.1                | -27.2                |
| 9,186.0                              | 0.62    | 46.44                                   | 9,170.8     | 150.5      | 182.6      | 0.61             | -0.28             | -43.28           | 38.8                | -2.5                 |
| 9,280.0                              | 0.62    | 5.65                                    | 9,264.8     | 151.4      | 183.0      | 0.46             | 0.00              | -43.39           | 30.1                | 23.1                 |
| 9,373.0                              | 0.44    | 311.43                                  | 9,357.8     | 152.1      | 182.8      | 0.55             | -0.19             | -58.30           | -1.8                | 37.5                 |
| 9,467.0                              | 0.35    | 287.34                                  | 9,451.8     | 152.4      | 182.3      | 0.20             | -0.10             | -25.63           | -17.6               | 33.3                 |
| 9,560.0                              | 0.53    | 300.62                                  | 9,544.8     | 152.7      | 181.6      | 0.22             | 0.19              | 14.28            | -10.2               | 36.5                 |
| 9,654.0                              | 0.62    | 301.06                                  | 9,638.8     | 153.2      | 180.8      | 0.10             | 0.10              | 0.47             | -10.9               | 36.6                 |
| 9,748.0                              | 0.35    | 279.17                                  | 9,732.8     | 153.5      | 180.1      | 0.34             | -0.29             | -23.29           | -24.5               | 29.8                 |
| 9,842.0                              | 0.79    | 187.15                                  | 9,826.8     | 152.9      | 179.7      | 0.93             | 0.47              | -97.89           | -29.5               | -25.8                |
| 9,936.0                              | 0.62    | 168.25                                  | 9,920.7     | 151.8      | 179.7      | 0.30             | -0.18             | -20.11           | -20.7               | -34.2                |



Midland PVA

|                                                                  |            |                              |               |               |               |                      |                      |                     |                        |                         |
|------------------------------------------------------------------|------------|------------------------------|---------------|---------------|---------------|----------------------|----------------------|---------------------|------------------------|-------------------------|
| Company: EOG Resources - Midland                                 |            | Local Co-ordinate Reference: |               |               |               | Well #723H           |                      |                     |                        |                         |
| Project: Lea County, NM (NAD 83 NME)                             |            | TVD Reference:               |               |               |               | KB = 25 @ 3560.0usft |                      |                     |                        |                         |
| Site: Savage 2 State Com                                         |            | MD Reference:                |               |               |               | KB = 25 @ 3560.0usft |                      |                     |                        |                         |
| Well: #723H                                                      |            | 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)  | Build<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |
| 10,029.0                                                         | 0.53       | 206.84                       | 10,013.7      | 150.9         | 179.7         | 0.42                 | -0.10                | 41.49               | -38.3                  | -13.5                   |
| 10,122.0                                                         | 0.53       | 239.09                       | 10,106.7      | 150.3         | 179.1         | 0.32                 | 0.00                 | 34.68               | -40.4                  | 9.3                     |
| 10,216.0                                                         | 0.44       | 46.44                        | 10,200.7      | 150.3         | 179.0         | 1.03                 | -0.10                | 178.03              | 41.5                   | -0.1                    |
| 10,309.0                                                         | 0.44       | 30.44                        | 10,293.7      | 150.9         | 179.4         | 0.13                 | 0.00                 | -17.20              | 39.2                   | 11.3                    |
| 10,403.0                                                         | 0.53       | 320.57                       | 10,387.7      | 151.5         | 179.3         | 0.60                 | 0.10                 | -74.33              | 2.4                    | 40.4                    |
| 10,497.0                                                         | 0.26       | 17.26                        | 10,481.7      | 152.1         | 179.1         | 0.47                 | -0.29                | 60.31               | 34.6                   | 20.6                    |
| 10,590.0                                                         | 0.70       | 47.23                        | 10,574.7      | 152.7         | 179.6         | 0.53                 | 0.47                 | 32.23               | 39.5                   | 0.6                     |
| 10,684.0                                                         | 0.79       | 48.81                        | 10,668.7      | 153.5         | 180.5         | 0.10                 | 0.10                 | 1.68                | 38.3                   | -0.4                    |
| 10,778.0                                                         | 0.18       | 42.22                        | 10,762.7      | 154.0         | 181.1         | 0.65                 | -0.65                | -7.01               | 37.3                   | 3.9                     |
| 10,871.0                                                         | 0.53       | 27.80                        | 10,855.7      | 154.5         | 181.4         | 0.39                 | 0.38                 | -15.51              | 34.5                   | 13.0                    |
| 10,965.0                                                         | 0.62       | 80.89                        | 10,949.7      | 155.0         | 182.1         | 0.55                 | 0.10                 | 56.48               | 30.4                   | -19.5                   |
| 11,059.0                                                         | 0.35       | 74.65                        | 11,043.7      | 155.1         | 182.9         | 0.29                 | -0.29                | -6.64               | 31.5                   | -16.1                   |
| 11,153.0                                                         | 0.44       | 198.57                       | 11,137.7      | 154.9         | 183.0         | 0.74                 | 0.10                 | 131.83              | -31.2                  | -16.9                   |
| 11,246.0                                                         | 0.97       | 230.30                       | 11,230.7      | 154.0         | 182.3         | 0.69                 | 0.57                 | 34.12               | -36.5                  | 2.2                     |
| 11,339.0                                                         | 1.49       | 243.14                       | 11,323.7      | 153.0         | 180.6         | 0.63                 | 0.56                 | 13.81               | -37.1                  | 10.4                    |
| 11,433.0                                                         | 1.85       | 233.47                       | 11,417.6      | 151.5         | 178.3         | 0.49                 | 0.38                 | -10.29              | -41.0                  | 3.8                     |
| 11,526.0                                                         | 0.44       | 206.22                       | 11,510.6      | 150.3         | 177.0         | 1.58                 | -1.52                | -29.30              | -39.9                  | -16.1                   |
| 11,620.0                                                         | 0.70       | 285.32                       | 11,604.6      | 150.1         | 176.2         | 0.80                 | 0.28                 | 84.15               | -24.0                  | 36.5                    |
| 11,665.0                                                         | 0.79       | 277.06                       | 11,649.6      | 150.2         | 175.7         | 0.31                 | 0.20                 | -18.36              | -29.5                  | 32.6                    |
| 11,832.0                                                         | 1.41       | 261.50                       | 11,816.6      | 150.1         | 172.5         | 0.41                 | 0.37                 | -9.32               | -40.4                  | 23.2                    |
| 11,925.0                                                         | 1.58       | 279.08                       | 11,909.5      | 150.1         | 170.1         | 0.52                 | 0.18                 | 18.90               | -33.8                  | 34.7                    |
| 12,019.0                                                         | 1.41       | 280.23                       | 12,003.5      | 150.5         | 167.7         | 0.18                 | -0.18                | 1.22                | -35.6                  | 35.4                    |
| 12,088.0                                                         | 1.33       | 222.87                       | 12,072.5      | 150.1         | 166.3         | 1.91                 | -0.12                | -83.13              | -50.2                  | -11.6                   |
| KOP, MD:12088.0', TVD:12072.5', N/S:150.1', E/W:166.3', INC:1.33 |            |                              |               |               |               |                      |                      |                     |                        |                         |
| 12,112.0                                                         | 1.58       | 207.72                       | 12,096.5      | 149.6         | 166.0         | 1.91                 | 1.05                 | -63.14              | -46.1                  | -24.4                   |
| 12,149.0                                                         | 5.80       | 171.59                       | 12,133.4      | 147.3         | 166.0         | 12.48                | 11.41                | -97.65              | -24.2                  | -47.0                   |
| 12,205.0                                                         | 11.26      | 173.09                       | 12,188.8      | 139.1         | 167.1         | 9.76                 | 9.75                 | 2.68                | -26.9                  | -44.9                   |



Midland PVA

| Company:                                                                   |            |                      | EOG Resources - Midland     |               |               | Local Co-ordinate Reference: |                      |                     |                        |                         | Well #723H            |  |
|----------------------------------------------------------------------------|------------|----------------------|-----------------------------|---------------|---------------|------------------------------|----------------------|---------------------|------------------------|-------------------------|-----------------------|--|
| Project:                                                                   |            |                      | Lea County, NM (NAD 83 NME) |               |               | TVD Reference:               |                      |                     |                        |                         | KB = 25 @ 3560.0usft. |  |
| Site:                                                                      |            |                      | Savage 2 State Com          |               |               | MD Reference:                |                      |                     |                        |                         | KB = 25 @ 3560.0usft  |  |
| Well:                                                                      |            |                      | #723H                       |               |               | 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)          | Build<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |                       |  |
| 12,248.7                                                                   | 15.67      | 171.80               | 12,231.3                    | 129.0         | 168.4         | 10.11                        | 10.09                | -2.95               | -26.1                  | -43.3                   |                       |  |
| FTP Crossing, MD:12248.7', TVD:12231.3', N/S:129.0', E/W:168.4', INC:15.67 |            |                      |                             |               |               |                              |                      |                     |                        |                         |                       |  |
| 12,299.0                                                                   | 20.75      | 170.98               | 12,279.0                    | 113.4         | 170.8         | 10.11                        | 10.10                | -1.63               | -24.9                  | -39.8                   |                       |  |
| 12,393.0                                                                   | 36.67      | 176.51               | 12,361.2                    | 68.7          | 175.1         | 17.15                        | 16.94                | 5.88                | -28.5                  | -29.6                   |                       |  |
| 12,486.0                                                                   | 47.13      | 181.96               | 12,430.4                    | 6.7           | 175.7         | 11.90                        | 11.25                | 5.86                | -32.1                  | -22.7                   |                       |  |
| FTP(Savage 2 SC #723H)                                                     |            |                      |                             |               |               |                              |                      |                     |                        |                         |                       |  |
| 12,580.0                                                                   | 57.16      | 177.92               | 12,488.0                    | -67.4         | 175.9         | 11.19                        | 10.67                | -4.30               | -30.1                  | -18.5                   |                       |  |
| 12,673.0                                                                   | 68.85      | 173.00               | 12,530.1                    | -149.8        | 182.6         | 13.42                        | 12.57                | -5.29               | -27.1                  | -6.5                    |                       |  |
| 12,766.0                                                                   | 74.30      | 176.87               | 12,559.5                    | -237.6        | 190.4         | 7.06                         | 5.86                 | 4.16                | -19.1                  | 8.3                     |                       |  |
| 12,792.0                                                                   | 78.96      | 178.89               | 12,565.6                    | -262.9        | 191.3         | 19.45                        | 17.92                | 7.77                | -15.6                  | 11.1                    |                       |  |
| 12,860.0                                                                   | 91.98      | 178.45               | 12,570.9                    | -330.5        | 192.9         | 19.16                        | 19.15                | -0.65               | -11.3                  | 16.9                    |                       |  |
| 12,954.0                                                                   | 91.36      | 181.35               | 12,568.2                    | -424.5        | 193.1         | 3.15                         | -0.66                | 3.09                | -13.5                  | 19.5                    |                       |  |
| 13,053.0                                                                   | 89.87      | 182.31               | 12,567.1                    | -523.4        | 189.9         | 1.79                         | -1.51                | 0.97                | -14.0                  | 15.6                    |                       |  |
| 13,146.0                                                                   | 89.60      | 183.19               | 12,567.5                    | -616.3        | 185.4         | 0.99                         | -0.29                | 0.95                | -12.9                  | 10.5                    |                       |  |
| 13,240.0                                                                   | 88.72      | 179.06               | 12,568.9                    | -710.3        | 183.6         | 4.49                         | -0.94                | -4.39               | -11.0                  | 8.0                     |                       |  |
| 13,334.0                                                                   | 88.90      | 179.06               | 12,570.9                    | -804.2        | 185.1         | 0.19                         | 0.19                 | 0.00                | -8.4                   | 8.8                     |                       |  |
| 13,427.0                                                                   | 88.64      | 180.21               | 12,572.9                    | -897.2        | 185.7         | 1.27                         | -0.28                | 1.24                | -5.9                   | 8.7                     |                       |  |
| 13,520.0                                                                   | 90.40      | 181.88               | 12,573.6                    | -990.2        | 184.0         | 2.61                         | 1.89                 | 1.80                | -4.5                   | 6.3                     |                       |  |
| 13,614.0                                                                   | 89.69      | 179.77               | 12,573.6                    | -1,084.2      | 182.7         | 2.37                         | -0.76                | -2.24               | -4.0                   | 4.3                     |                       |  |
| 13,708.0                                                                   | 90.22      | 180.03               | 12,573.6                    | -1,178.2      | 182.8         | 0.63                         | 0.56                 | 0.28                | -3.3                   | 3.8                     |                       |  |
| 13,802.0                                                                   | 89.08      | 179.41               | 12,574.2                    | -1,272.2      | 183.3         | 1.38                         | -1.21                | -0.66               | -2.2                   | 3.5                     |                       |  |
| 13,895.0                                                                   | 88.72      | 179.68               | 12,576.0                    | -1,365.1      | 184.0         | 0.48                         | -0.39                | 0.29                | 0.2                    | 3.6                     |                       |  |
| 13,989.0                                                                   | 88.64      | 180.56               | 12,578.2                    | -1,459.1      | 183.8         | 0.94                         | -0.09                | 0.94                | 3.0                    | 2.7                     |                       |  |
| 14,023.5                                                                   | 88.86      | 180.14               | 12,578.9                    | -1,493.6      | 183.6         | 1.38                         | 0.65                 | -1.22               | 3.9                    | 2.2                     |                       |  |
| TGT#1(Savage 2 SC #723H)                                                   |            |                      |                             |               |               |                              |                      |                     |                        |                         |                       |  |
| 14,083.0                                                                   | 89.25      | 179.41               | 12,579.9                    | -1,553.1      | 183.9         | 1.38                         | 0.65                 | -1.22               | 5.3                    | 2.0                     |                       |  |
| 14,177.0                                                                   | 89.60      | 179.33               | 12,580.8                    | -1,647.1      | 184.9         | 0.38                         | 0.37                 | -0.09               | 7.0                    | 2.4                     |                       |  |



Midland PVA

Company: EOG Resources - Midland  
 Project: Lea County, NM (NAD 83 NME)  
 Site: Savage 2 State Com  
 Well: #723H  
 Wellbore: OH  
 Design: OH

Local Co-ordinate Reference: Well #723H  
 TVD Reference: KB = 25 @ 3560.0usft  
 MD Reference: KB = 25 @ 3560.0usft  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 5000.14

| Survey                   | MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | D/Leg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |
|--------------------------|--------------|------------|----------------------|---------------|---------------|---------------|----------------------|----------------------|---------------------|------------------------|-------------------------|
|                          | 14,271.0     | 90.40      | 179.68               | 12,580.8      | -1,741.1      | 185.7         | 0.93                 | 0.85                 | 0.37                | 7.7                    | 2.5                     |
|                          | 14,364.0     | 90.92      | 180.56               | 12,579.8      | -1,834.1      | 185.5         | 1.10                 | 0.56                 | 0.95                | 7.3                    | 1.6                     |
|                          | 14,458.0     | 89.69      | 178.98               | 12,579.3      | -1,928.1      | 185.9         | 2.13                 | -1.31                | -1.68               | 7.5                    | 1.3                     |
|                          | 14,551.0     | 91.01      | 179.24               | 12,578.7      | -2,021.1      | 187.3         | 1.45                 | 1.42                 | 0.28                | 7.6                    | 2.0                     |
|                          | 14,644.0     | 91.54      | 179.15               | 12,576.6      | -2,114.0      | 188.6         | 0.58                 | 0.57                 | -0.10               | 6.2                    | 2.7                     |
|                          | 14,737.0     | 92.51      | 179.59               | 12,573.4      | -2,207.0      | 189.7         | 1.15                 | 1.04                 | 0.47                | 3.6                    | 3.0                     |
|                          | 14,831.0     | 89.52      | 178.62               | 12,571.7      | -2,300.9      | 191.1         | 3.34                 | -3.18                | -1.03               | 2.6                    | 3.8                     |
|                          | 14,925.0     | 90.48      | 178.80               | 12,571.7      | -2,394.9      | 193.2         | 1.04                 | 1.02                 | 0.19                | 3.3                    | 5.2                     |
|                          | 15,019.0     | 89.52      | 178.98               | 12,571.7      | -2,488.9      | 195.1         | 1.04                 | -1.02                | 0.19                | 4.0                    | 6.3                     |
|                          | 15,112.0     | 89.08      | 178.62               | 12,572.8      | -2,581.8      | 197.0         | 0.61                 | -0.47                | -0.39               | 5.8                    | 7.6                     |
|                          | 15,205.0     | 91.01      | 180.03               | 12,572.7      | -2,674.8      | 198.1         | 2.57                 | 2.08                 | 1.52                | 6.4                    | 8.0                     |
|                          | 15,299.0     | 93.21      | 181.96               | 12,569.3      | -2,768.7      | 196.5         | 3.11                 | 2.34                 | 2.05                | 3.6                    | 5.7                     |
|                          | 15,392.0     | 90.75      | 181.70               | 12,566.1      | -2,861.6      | 193.5         | 2.66                 | -2.65                | -0.28               | 1.1                    | 2.0                     |
|                          | 15,486.0     | 91.80      | 182.75               | 12,564.0      | -2,955.5      | 189.9         | 1.58                 | 1.12                 | 1.12                | -0.3                   | -2.4                    |
|                          | 15,525.0     | 91.32      | 181.42               | 12,562.9      | -2,994.5      | 188.4         | 3.61                 | -1.22                | -3.40               | -1.1                   | -4.1                    |
| TGT#2(Savage 2 SC #723H) |              |            |                      |               |               |               |                      |                      |                     |                        |                         |
|                          | 15,579.0     | 90.66      | 179.59               | 12,562.0      | -3,048.5      | 188.0         | 3.61                 | -1.23                | -3.40               | -1.5                   | -4.9                    |
|                          | 15,673.0     | 89.08      | 178.10               | 12,562.2      | -3,142.5      | 189.9         | 2.31                 | -1.68                | -1.59               | -0.2                   | -3.7                    |
|                          | 15,767.0     | 88.11      | 178.18               | 12,564.5      | -3,236.4      | 192.9         | 1.04                 | -1.03                | 0.09                | 3.1                    | -1.4                    |
|                          | 15,860.0     | 89.60      | 177.74               | 12,566.4      | -3,329.3      | 196.2         | 1.67                 | 1.60                 | -0.47               | 5.9                    | 1.2                     |
|                          | 15,954.0     | 90.57      | 178.18               | 12,566.2      | -3,423.2      | 199.6         | 1.13                 | 1.03                 | 0.47                | 6.8                    | 3.9                     |
|                          | 16,047.0     | 91.89      | 178.80               | 12,564.2      | -3,516.2      | 202.0         | 1.57                 | 1.42                 | 0.87                | 5.8                    | 5.6                     |
|                          | 16,141.0     | 90.75      | 178.62               | 12,562.1      | -3,610.1      | 204.1         | 1.23                 | -1.21                | -0.19               | 4.7                    | 7.1                     |
|                          | 16,234.0     | 89.87      | 178.27               | 12,561.6      | -3,703.1      | 206.7         | 1.02                 | -0.95                | -0.38               | 5.2                    | 8.9                     |
|                          | 16,327.0     | 90.04      | 178.18               | 12,561.6      | -3,796.1      | 209.5         | 0.21                 | 0.18                 | -0.10               | 6.2                    | 11.1                    |
|                          | 16,420.0     | 89.52      | 176.95               | 12,562.0      | -3,889.0      | 213.5         | 1.44                 | -0.56                | -1.32               | 7.6                    | 14.4                    |
|                          | 16,514.0     | 91.36      | 180.47               | 12,561.3      | -3,982.9      | 215.6         | 4.23                 | 1.96                 | 3.74                | 7.9                    | 15.8                    |



Midland PVA

Company: EOG Resources - Midland  
Project: Lea County, NM (NAD 83 NME)  
Site: Savage 2 State Com  
Well: #723H  
Wellbore: OH  
Design: OH

Local Co-ordinate Reference:  
TVD Reference: KB = 25 @ 3560.0usft  
MD Reference: KB = 25 @ 3560.0usft  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
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) | Build<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |
|---------------------------------|------------|----------------------|---------------|---------------|---------------|---------------------|----------------------|---------------------|------------------------|-------------------------|
| 16,607.0                        | 92.24      | 181.35               | 12,558.3      | -4,075.9      | 214.1         | 1.34                | 0.95                 | 0.95                | 5.9                    | 13.6                    |
| 16,700.0                        | 90.04      | 181.88               | 12,556.5      | -4,168.8      | 211.5         | 2.43                | -2.37                | 0.57                | 5.1                    | 10.3                    |
| 16,794.0                        | 89.16      | 181.70               | 12,557.2      | -4,262.7      | 208.6         | 0.96                | -0.94                | -0.19               | 6.8                    | 6.7                     |
| 16,888.0                        | 90.75      | 183.19               | 12,557.2      | -4,356.7      | 204.6         | 2.32                | 1.69                 | 1.59                | 7.8                    | 2.0                     |
| 16,981.0                        | 92.51      | 184.25               | 12,554.6      | -4,449.4      | 198.5         | 2.21                | 1.89                 | 1.14                | 6.2                    | -4.7                    |
| 17,074.0                        | 92.42      | 182.93               | 12,550.6      | -4,542.1      | 192.7         | 1.42                | -0.10                | -1.42               | 3.2                    | -11.3                   |
| 17,168.0                        | 88.64      | 179.77               | 12,549.7      | -4,636.1      | 190.5         | 5.24                | -4.02                | -3.36               | 3.3                    | -14.2                   |
| 17,284.0                        | 90.13      | 180.38               | 12,551.0      | -4,752.1      | 190.3         | 1.39                | 1.28                 | 0.53                | 5.8                    | -15.2                   |
| Last MWD Survey (MD=17284.0')   |            |                      |               |               |               |                     |                      |                     |                        |                         |
| 17,482.8                        | 90.13      | 180.38               | 12,550.5      | -4,950.9      | 189.0         | 0.00                | 0.00                 | 0.00                | 7.5                    | -18.0                   |
| PBHL(Savage 2 SC #723H)         |            |                      |               |               |               |                     |                      |                     |                        |                         |
| 17,483.0                        | 90.13      | 180.38               | 12,550.5      | -4,951.1      | 189.0         | 0.00                | 0.00                 | 0.00                | 7.5                    | -18.0                   |
| Projection to Bit (MD=17483.0') |            |                      |               |               |               |                     |                      |                     |                        |                         |

Design Annotations

| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates<br>+N/S<br>(usft) | +E/W<br>(usft) | Comment                                                                |
|-----------------------------|-----------------------------|-------------------------------------|----------------|------------------------------------------------------------------------|
| 12,068.0                    | 12,072.5                    | 150.1                               | 166.3          | KOP, MD:12088.0' TVD:12072.5' N/S:150.1' E/W:166.3' INC:1.33           |
| 12,248.7                    | 12,231.3                    | 129.0                               | 168.4          | FTP Crossing, MD:12248.7' TVD:12231.3' N/S:129.0' E/W:168.4' INC:15.67 |
| 17,284.0                    | 12,551.0                    | -4,752.1                            | 190.3          | Last MWD Survey (MD=17284.0')                                          |
| 17,483.0                    | 12,550.5                    | -4,951.1                            | 189.0          | Projection to Bit (MD=17483.0')                                        |

I certify this survey to be true and correct to the best of my belief and knowledge.

Signed: Kay Maddox Date: 7/15/2020

Date: \_\_\_\_\_



Lea County, NM (NAD 83 NME)

Savage 2 State Com #723H

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

WELL DETAILS: #723H

KB = 25 @ 3560.0usft 3535.0  
Northing 424888.00 Easting 756007.00  
Latitude 32° 3' 58.359 N Longitude 103° 38' 34.113 W

#### SECTION DETAILS

| Sec | MD      | Inc   | Azi    | TVD     | +N/-S   | +E/-W | TFace | VFace  | Target |
|-----|---------|-------|--------|---------|---------|-------|-------|--------|--------|
| 1   | 0.0     | 0.00  | 0.00   | 0.0     | 0.0     | 0.0   | 0.00  | 0.0    |        |
| 2   | 2500.0  | 0.00  | 0.00   | 2500.0  | 0.0     | 0.0   | 0.00  | 0.0    |        |
| 3   | 2799.8  | 6.00  | 49.42  | 2799.2  | 10.2    | 11.9  | 2.00  | 49.42  | -9.7   |
| 4   | 5134.1  | 6.00  | 49.42  | 5120.8  | 168.8   | 197.1 | 0.00  | 0.00   | -160.4 |
| 5   | 5433.9  | 0.00  | 0.00   | 5420.0  | 179.0   | 209.0 | 2.00  | 180.00 | -170.1 |
| 6   | 12118.9 | 0.00  | 0.00   | 12105.0 | 179.0   | 209.0 | 0.00  | 0.00   | -170.1 |
| 7   | 12871.9 | 90.36 | 183.74 | 12582.5 | -300.4  | 177.7 | 12.00 | 183.74 | 307.6  |
| 8   | 13010.6 | 90.36 | 179.58 | 12581.6 | -439.0  | 173.6 | 3.00  | -90.02 | 445.9  |
| 9   | 14065.3 | 90.36 | 179.58 | 12575.0 | -1493.7 | 181.4 | 0.00  | 0.00   | 1500.0 |
| 10  | 14068.4 | 90.42 | 179.58 | 12575.0 | -1496.8 | 181.4 | 2.00  | -3.30  | 1503.1 |
| 11  | 15566.2 | 90.42 | 179.58 | 12564.0 | -2994.6 | 192.5 | 0.00  | 0.00   | 3000.0 |
| 12  | 15576.0 | 90.62 | 179.58 | 12563.9 | -3004.4 | 192.6 | 2.00  | 0.00   | 3009.8 |
| 13  | 17522.8 | 90.62 | 179.58 | 12543.0 | -4951.0 | 207.0 | 0.00  | 0.00   | 4955.3 |

#### CASING DETAILS

No casing data is available

#### WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

| Name                          | TVD     | +N/-S   | +E/-W | Northing  | Easting   |
|-------------------------------|---------|---------|-------|-----------|-----------|
| Brushy Top(Savage 2 SC #723H) | 7257.0  | 179.0   | 209.0 | 425067.00 | 756216.00 |
| PBHL(Savage 2 SC #723H)       | 12643.0 | -4951.0 | 207.0 | 419337.00 | 756214.00 |
| TGT#2(Savage 2 SC #723H)      | 12564.0 | -2994.6 | 192.5 | 421893.40 | 756199.51 |
| TGT#1(Savage 2 SC #723H)      | 12575.0 | -1493.7 | 181.4 | 421394.30 | 756108.39 |
| FTF(Savage 2 SC #723H)        | 12655.0 | 129.0   | 163.0 | 425017.00 | 756116.00 |

