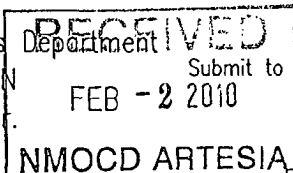


District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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 October 12, 2005  
Submit to Appropriate District Office  
State Lease- 4 Copies  
Fee Lease- 3 Copies  
AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                    |                                             |                                                                               |
|------------------------------------|---------------------------------------------|-------------------------------------------------------------------------------|
| API Number<br><b>30-015- 37588</b> | Pool Code<br><b>926473</b>                  | Well Name<br><b>Pierce Crossing</b><br><i>Undesignated; Bone Springs East</i> |
| Property Code<br><b>38036</b>      | Property Name<br><b>ELK WALLOW 11 STATE</b> | Well Number<br><b>1H</b>                                                      |
| GRID No.<br><b>7377</b>            | Operator Name<br><b>EOG RESOURCES, INC.</b> | Elevation<br><b>3039.7'</b>                                                   |

### Surface Location

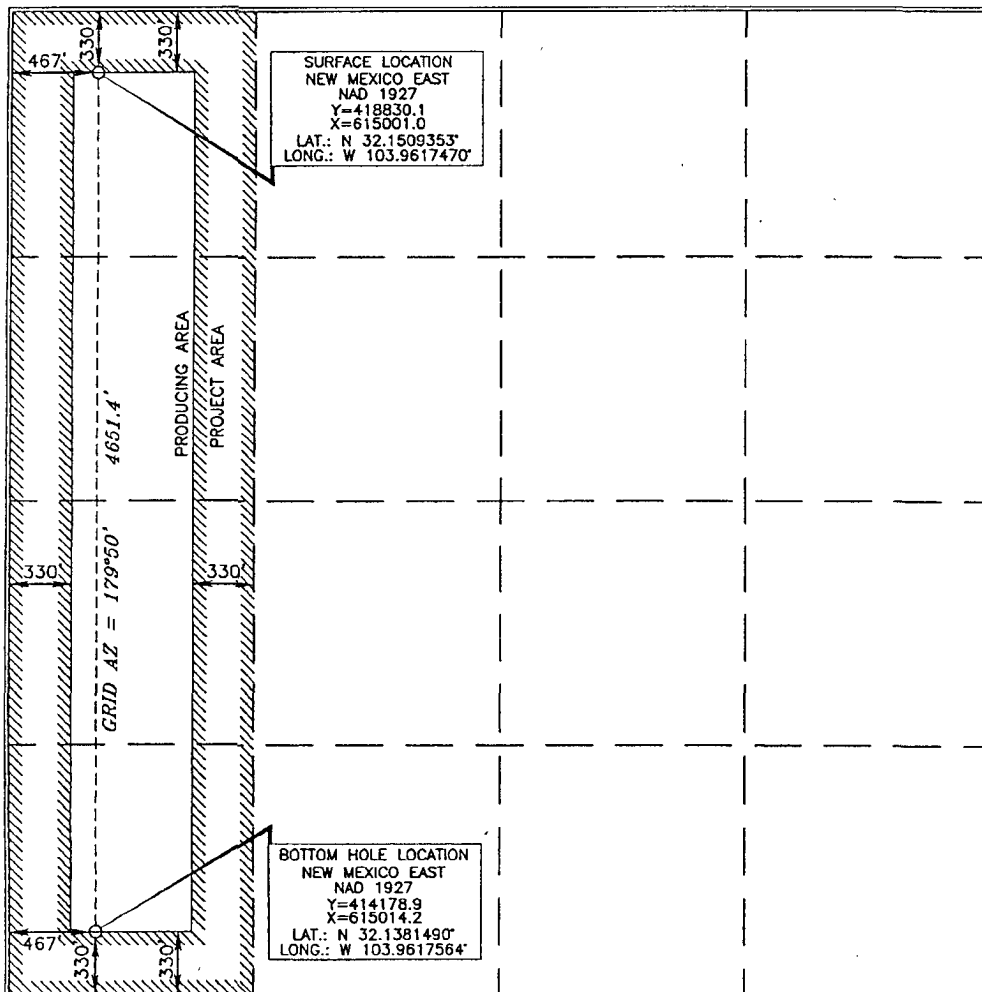
| UL or lot no. | Section   | Township        | Range                    | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|-----------|-----------------|--------------------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>D</b>      | <b>11</b> | <b>25 SOUTH</b> | <b>29 EAST, N.M.P.M.</b> |         | <b>330</b>    | <b>NORTH</b>     | <b>467</b>    | <b>WEST</b>    | <b>EDDY</b> |

### 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>M</b>      | <b>11</b> | <b>25 SOUTH</b> | <b>29 EAST, N.M.P.M.</b> |         | <b>366</b>    | <b>SOUTH</b>     | <b>599</b>    | <b>WEST</b>    | <b>EDDY</b> |

|                               |                 |                    |           |
|-------------------------------|-----------------|--------------------|-----------|
| Dedicated Acres<br><b>160</b> | Joint or Infill | Consolidation Code | Order No. |
|-------------------------------|-----------------|--------------------|-----------|

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.



### OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Donny G. Glanton* 2/11/2010  
Signature Date

*Donny G. Glanton*  
Printed Name

### SURVEYOR CERTIFICATION

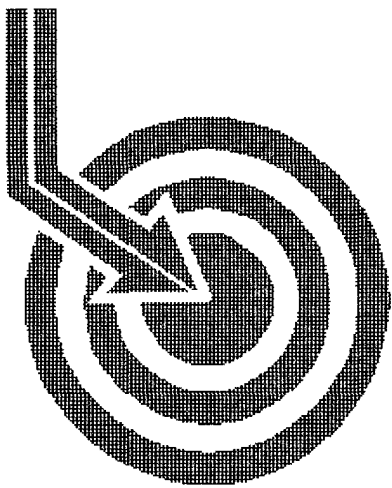
I hereby certify that the well location shown on this plat was plotted from field notes or actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

*Jerry G. Aral* 1/25/2010  
Date of Survey

*Jerry G. Aral*  
Signature and Seal of Professional Surveyor

*Jerry G. Aral* 15079  
Certificate Number

WO# 100120WL-a (KA)



# Scientific Drilling

30-D15-37588

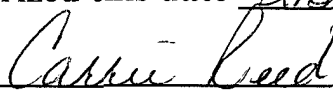
## EOG

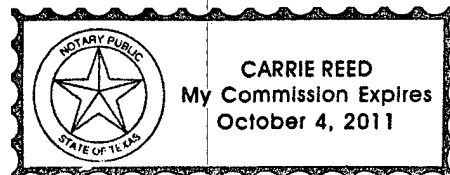
Field: Wildcat  
Site: Eddy County, NM  
Well: Elk Wallow 11 State #1H  
Wellpath: VH - Job #32K0510392  
Survey: 05/26/10

This survey is correct to the best of my knowledge and is supported by actual field data.

  
\_\_\_\_\_  
Company Representative

Notarized this date 21st of June, 2010.

  
\_\_\_\_\_  
Notary Signature  
County of Midland  
State of Texas





# Scientific Drilling International, Inc.

## Survey Report

|                                       |                                   |                                          |                   |
|---------------------------------------|-----------------------------------|------------------------------------------|-------------------|
| <b>Company:</b> EOG                   | <b>Date:</b> 6/1/2010             | <b>Time:</b> 20:35:04                    | <b>Page:</b> 1    |
| <b>Field:</b> Wildcat                 | <b>Co-ordinate(NE) Reference:</b> | <b>Site:</b> Eddy County, NM, True North |                   |
| <b>Site:</b> Eddy County, NM          | <b>Vertical (TVD) Reference:</b>  | <b>SITE</b> 0.0                          |                   |
| <b>Well:</b> Elk Wallow 11 State #1H  | <b>Section (VS) Reference:</b>    | <b>Well</b> (0.00N,0.00E,179.84Azi)      |                   |
| <b>Wellpath:</b> VH - Job #32K0510392 | <b>Survey Calculation Method:</b> | <b>Minimum Curvature</b>                 | <b>Db:</b> Sybase |

|                                                  |                                    |
|--------------------------------------------------|------------------------------------|
| <b>Survey:</b> 05/26/10                          | <b>Start Date:</b> 5/26/2010       |
| <b>Company:</b> Scientific Drilling Internatio   | <b>Engineer:</b> Guebara/Remterria |
| <b>Tool:</b> Keeper, Keeper Surface Readout Gyro | <b>Tied-to:</b> From Surface       |

### Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | VS<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | ClsD<br>ft | ClsA<br>deg |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------------|------------|-------------|
| 0.0      | 0.00        | 359.80      | 0.0       | 0.0      | 0.0       | 0.0       | 0.00             | 0.0        | 0.00        |
| 100.0    | 0.49        | 114.02      | 100.0     | 0.2      | -0.2      | 0.4       | 0.49             | 0.4        | 114.02      |
| 200.0    | 0.55        | 171.68      | 200.0     | 0.8      | -0.8      | 0.9       | 0.50             | 1.2        | 134.06      |
| 300.0    | 0.59        | 174.68      | 300.0     | 1.8      | -1.8      | 1.0       | 0.05             | 2.1        | 151.87      |
| 400.0    | 0.70        | 184.97      | 400.0     | 2.9      | -2.9      | 1.0       | 0.16             | 3.1        | 161.82      |
| 500.0    | 0.98        | 176.39      | 500.0     | 4.4      | -4.4      | 1.0       | 0.31             | 4.5        | 167.63      |
| 600.0    | 0.91        | 181.11      | 600.0     | 6.0      | -6.0      | 1.0       | 0.10             | 6.1        | 170.58      |
| 700.0    | 0.90        | 180.36      | 699.9     | 7.6      | -7.6      | 1.0       | 0.02             | 7.7        | 172.66      |
| 800.0    | 0.93        | 180.08      | 799.9     | 9.2      | -9.2      | 1.0       | 0.03             | 9.3        | 173.96      |
| 900.0    | 0.80        | 171.75      | 899.9     | 10.7     | -10.7     | 1.1       | 0.18             | 10.8       | 174.28      |
| 1000.0   | 0.78        | 162.36      | 999.9     | 12.1     | -12.1     | 1.4       | 0.13             | 12.1       | 173.47      |
| 1100.0   | 0.62        | 161.44      | 1099.9    | 13.2     | -13.2     | 1.8       | 0.16             | 13.3       | 172.42      |
| 1200.0   | 0.56        | 149.25      | 1199.9    | 14.2     | -14.2     | 2.2       | 0.14             | 14.3       | 171.24      |
| 1300.0   | 0.69        | 155.34      | 1299.9    | 15.1     | -15.1     | 2.7       | 0.15             | 15.4       | 169.94      |
| 1400.0   | 0.86        | 149.84      | 1399.9    | 16.3     | -16.3     | 3.3       | 0.19             | 16.6       | 168.53      |
| 1500.0   | 1.34        | 147.66      | 1499.9    | 18.0     | -18.0     | 4.3       | 0.48             | 18.5       | 166.49      |
| 1600.0   | 1.48        | 150.71      | 1599.8    | 20.1     | -20.1     | 5.6       | 0.16             | 20.8       | 164.49      |
| 1700.0   | 1.58        | 153.82      | 1699.8    | 22.5     | -22.4     | 6.8       | 0.13             | 23.4       | 163.11      |
| 1800.0   | 1.55        | 157.34      | 1799.8    | 24.9     | -24.9     | 7.9       | 0.10             | 26.2       | 162.32      |
| 1900.0   | 1.59        | 166.76      | 1899.7    | 27.5     | -27.5     | 8.8       | 0.26             | 28.9       | 162.30      |
| 2000.0   | 1.45        | 165.98      | 1999.7    | 30.1     | -30.1     | 9.4       | 0.14             | 31.5       | 162.65      |
| 2100.0   | 1.48        | 166.87      | 2099.7    | 32.6     | -32.6     | 10.0      | 0.04             | 34.1       | 162.93      |
| 2200.0   | 1.28        | 159.08      | 2199.6    | 34.9     | -34.9     | 10.7      | 0.27             | 36.5       | 162.95      |
| 2300.0   | 1.14        | 142.68      | 2299.6    | 36.7     | -36.7     | 11.7      | 0.37             | 38.5       | 162.33      |
| 2400.0   | 1.22        | 132.40      | 2399.6    | 38.3     | -38.2     | 13.1      | 0.23             | 40.4       | 161.10      |
| 2500.0   | 1.97        | 121.78      | 2499.5    | 39.9     | -39.8     | 15.3      | 0.80             | 42.7       | 158.95      |
| 2600.0   | 2.29        | 118.63      | 2599.5    | 41.8     | -41.7     | 18.5      | 0.34             | 45.6       | 156.02      |
| 2700.0   | 2.71        | 118.24      | 2699.4    | 43.8     | -43.8     | 22.4      | 0.42             | 49.2       | 152.92      |
| 2800.0   | 3.05        | 119.75      | 2799.3    | 46.3     | -46.2     | 26.8      | 0.35             | 53.4       | 149.92      |
| 2900.0   | 3.11        | 120.79      | 2899.1    | 49.0     | -48.9     | 31.4      | 0.08             | 58.1       | 147.30      |
| 3000.0   | 2.70        | 125.40      | 2999.0    | 51.8     | -51.7     | 35.7      | 0.47             | 62.8       | 145.39      |
| 3100.0   | 2.18        | 128.51      | 3098.9    | 54.3     | -54.2     | 39.1      | 0.54             | 66.8       | 144.23      |
| 3200.0   | 1.64        | 129.50      | 3198.8    | 56.4     | -56.3     | 41.7      | 0.54             | 70.1       | 143.51      |
| 3300.0   | 1.49        | 122.12      | 3298.8    | 58.1     | -57.9     | 43.9      | 0.25             | 72.7       | 142.86      |
| 3400.0   | 1.15        | 120.52      | 3398.8    | 59.3     | -59.1     | 45.8      | 0.34             | 74.8       | 142.22      |
| 3500.0   | 0.97        | 119.65      | 3498.8    | 60.2     | -60.1     | 47.4      | 0.18             | 76.5       | 141.70      |
| 3600.0   | 0.91        | 116.22      | 3598.7    | 61.0     | -60.8     | 48.9      | 0.08             | 78.0       | 141.21      |
| 3700.0   | 0.65        | 130.14      | 3698.7    | 61.7     | -61.5     | 50.0      | 0.32             | 79.3       | 140.89      |
| 3800.0   | 0.61        | 130.72      | 3798.7    | 62.4     | -62.3     | 50.9      | 0.04             | 80.4       | 140.75      |
| 3900.0   | 0.52        | 139.88      | 3898.7    | 63.1     | -63.0     | 51.6      | 0.13             | 81.4       | 140.68      |
| 4000.0   | 0.51        | 138.35      | 3998.7    | 63.8     | -63.6     | 52.2      | 0.02             | 82.3       | 140.66      |
| 4100.0   | 0.17        | 159.61      | 4098.7    | 64.2     | -64.1     | 52.5      | 0.36             | 82.9       | 140.68      |
| 4200.0   | 0.25        | 195.84      | 4198.7    | 64.6     | -64.5     | 52.5      | 0.15             | 83.1       | 140.84      |
| 4300.0   | 0.10        | 180.07      | 4298.7    | 64.9     | -64.7     | 52.4      | 0.16             | 83.3       | 141.00      |
| 4400.0   | 0.04        | 258.62      | 4398.7    | 65.0     | -64.8     | 52.4      | 0.10             | 83.4       | 141.06      |
| 4500.0   | 0.17        | 249.88      | 4498.7    | 65.0     | -64.9     | 52.2      | 0.13             | 83.3       | 141.18      |
| 4600.0   | 0.10        | 221.27      | 4598.7    | 65.2     | -65.0     | 52.0      | 0.10             | 83.3       | 141.33      |
| 4700.0   | 0.09        | 201.74      | 4698.7    | 65.3     | -65.2     | 51.9      | 0.03             | 83.3       | 141.44      |
| 4800.0   | 0.17        | 197.39      | 4798.7    | 65.5     | -65.4     | 51.9      | 0.08             | 83.4       | 141.57      |



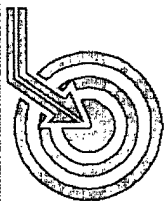
# Scientific Drilling International, Inc.

## Survey Report

|                                       |                                   |                                          |                   |
|---------------------------------------|-----------------------------------|------------------------------------------|-------------------|
| <b>Company:</b> EOG                   | <b>Date:</b> 6/1/2010             | <b>Time:</b> 20:35:04                    | <b>Page:</b> 2    |
| <b>Field:</b> Wildcat                 | <b>Co-ordinate(NE) Reference:</b> | <b>Site:</b> Eddy County, NM, True North |                   |
| <b>Site:</b> Eddy County, NM          | <b>Vertical (TVD) Reference:</b>  | <b>SITE</b> 0.0                          |                   |
| <b>Well:</b> Elk Wallow 11 State #1H  | <b>Section (VS) Reference:</b>    | <b>Well</b> (0.00N,0.00E,179.84Azi)      |                   |
| <b>Wellpath:</b> VH - Job #32K0510392 | <b>Survey Calculation Method:</b> | <b>Minimum Curvature</b>                 | <b>Db:</b> Sybase |

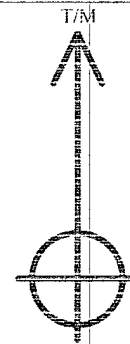
### Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | VS<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | ClsD<br>ft | ClsA<br>deg |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------------|------------|-------------|
| 4900.0   | 0.19        | 193.04      | 4898.7    | 65.8     | -65.7     | 51.8      | 0.02             | 83.6       | 141.74      |
| 5000.0   | 0.20        | 201.58      | 4998.7    | 66.1     | -66.0     | 51.7      | 0.03             | 83.8       | 141.93      |
| 5100.0   | 0.18        | 198.00      | 5098.7    | 66.5     | -66.3     | 51.6      | 0.02             | 84.0       | 142.13      |
| 5200.0   | 0.10        | 154.27      | 5198.7    | 66.7     | -66.5     | 51.6      | 0.13             | 84.2       | 142.23      |
| 5300.0   | 0.22        | 92.24       | 5298.7    | 66.8     | -66.6     | 51.8      | 0.19             | 84.4       | 142.14      |
| 5400.0   | 0.19        | 355.28      | 5398.7    | 66.6     | -66.5     | 52.0      | 0.31             | 84.4       | 141.98      |
| 5500.0   | 0.12        | 331.85      | 5498.7    | 66.4     | -66.2     | 51.9      | 0.09             | 84.1       | 141.90      |
| 5600.0   | 0.39        | 282.57      | 5598.7    | 66.2     | -66.0     | 51.5      | 0.32             | 83.8       | 142.04      |
| 5700.0   | 0.27        | 233.61      | 5698.7    | 66.2     | -66.1     | 51.0      | 0.29             | 83.5       | 142.35      |
| 5800.0   | 0.70        | 235.37      | 5798.7    | 66.7     | -66.6     | 50.3      | 0.43             | 83.5       | 142.93      |
| 5900.0   | 0.69        | 232.84      | 5898.7    | 67.4     | -67.3     | 49.3      | 0.03             | 83.4       | 143.76      |
| 6000.0   | 0.59        | 237.58      | 5998.7    | 68.1     | -67.9     | 48.4      | 0.11             | 83.4       | 144.53      |
| 6100.0   | 0.53        | 223.84      | 6098.7    | 68.7     | -68.6     | 47.7      | 0.15             | 83.5       | 145.19      |
| 6200.0   | 0.46        | 214.29      | 6198.7    | 69.4     | -69.2     | 47.1      | 0.11             | 83.7       | 145.76      |
| 6300.0   | 0.40        | 220.14      | 6298.7    | 69.9     | -69.8     | 46.7      | 0.07             | 84.0       | 146.24      |
| 6400.0   | 0.47        | 221.07      | 6398.7    | 70.5     | -70.4     | 46.2      | 0.07             | 84.2       | 146.74      |
| 6500.0   | 0.36        | 207.72      | 6498.7    | 71.1     | -71.0     | 45.8      | 0.15             | 84.4       | 147.20      |
| 6600.0   | 0.35        | 188.68      | 6598.7    | 71.7     | -71.6     | 45.6      | 0.12             | 84.8       | 147.52      |
| 6700.0   | 0.39        | 183.57      | 6698.7    | 72.3     | -72.2     | 45.5      | 0.05             | 85.3       | 147.79      |
| 6800.0   | 0.45        | 182.13      | 6798.7    | 73.1     | -72.9     | 45.5      | 0.06             | 85.9       | 148.07      |
| 6900.0   | 0.46        | 186.79      | 6898.7    | 73.9     | -73.7     | 45.4      | 0.04             | 86.6       | 148.38      |
| 7000.0   | 0.15        | 196.37      | 6998.7    | 74.4     | -74.3     | 45.3      | 0.31             | 87.0       | 148.61      |
| 7100.0   | 0.56        | 278.43      | 7098.7    | 74.4     | -74.3     | 44.8      | 0.56             | 86.8       | 148.92      |
| 7200.0   | 0.71        | 263.67      | 7198.7    | 74.4     | -74.3     | 43.7      | 0.22             | 86.2       | 149.54      |
| 7300.0   | 0.52        | 248.30      | 7298.6    | 74.7     | -74.5     | 42.7      | 0.25             | 85.9       | 150.22      |
| 7400.0   | 0.43        | 224.58      | 7398.6    | 75.1     | -75.0     | 42.0      | 0.21             | 85.9       | 150.76      |
| 7500.0   | 1.14        | 175.27      | 7498.6    | 76.3     | -76.2     | 41.8      | 0.92             | 86.9       | 151.27      |
| 7600.0   | 1.29        | 172.39      | 7598.6    | 78.5     | -78.3     | 42.0      | 0.16             | 88.9       | 151.79      |
| 7700.0   | 0.97        | 174.97      | 7698.6    | 80.4     | -80.3     | 42.2      | 0.32             | 90.7       | 152.25      |
| 7800.0   | 0.66        | 202.58      | 7798.6    | 81.8     | -81.7     | 42.1      | 0.49             | 91.9       | 152.73      |
| 7900.0   | 0.84        | 205.50      | 7898.6    | 83.0     | -82.9     | 41.6      | 0.18             | 92.7       | 153.37      |
| 8000.0   | 0.81        | 191.22      | 7998.6    | 84.3     | -84.2     | 41.1      | 0.21             | 93.7       | 153.98      |
| 8100.0   | 0.59        | 205.78      | 8098.6    | 85.5     | -85.4     | 40.7      | 0.28             | 94.6       | 154.49      |
| 8200.0   | 0.45        | 74.92       | 8198.6    | 85.9     | -85.7     | 40.9      | 0.95             | 95.0       | 154.50      |
| 8300.0   | 0.85        | 61.73       | 8298.5    | 85.4     | -85.3     | 41.9      | 0.42             | 95.0       | 153.82      |
| 8309.0   | 0.83        | 53.04       | 8307.5    | 85.3     | -85.2     | 42.0      | 1.43             | 95.0       | 153.74      |



Scientific  
Drilling

Field: Wildeat  
Site: Eddy County, NM  
Well: Elk Wallow 11 State #1H  
Survey: 05/26/10

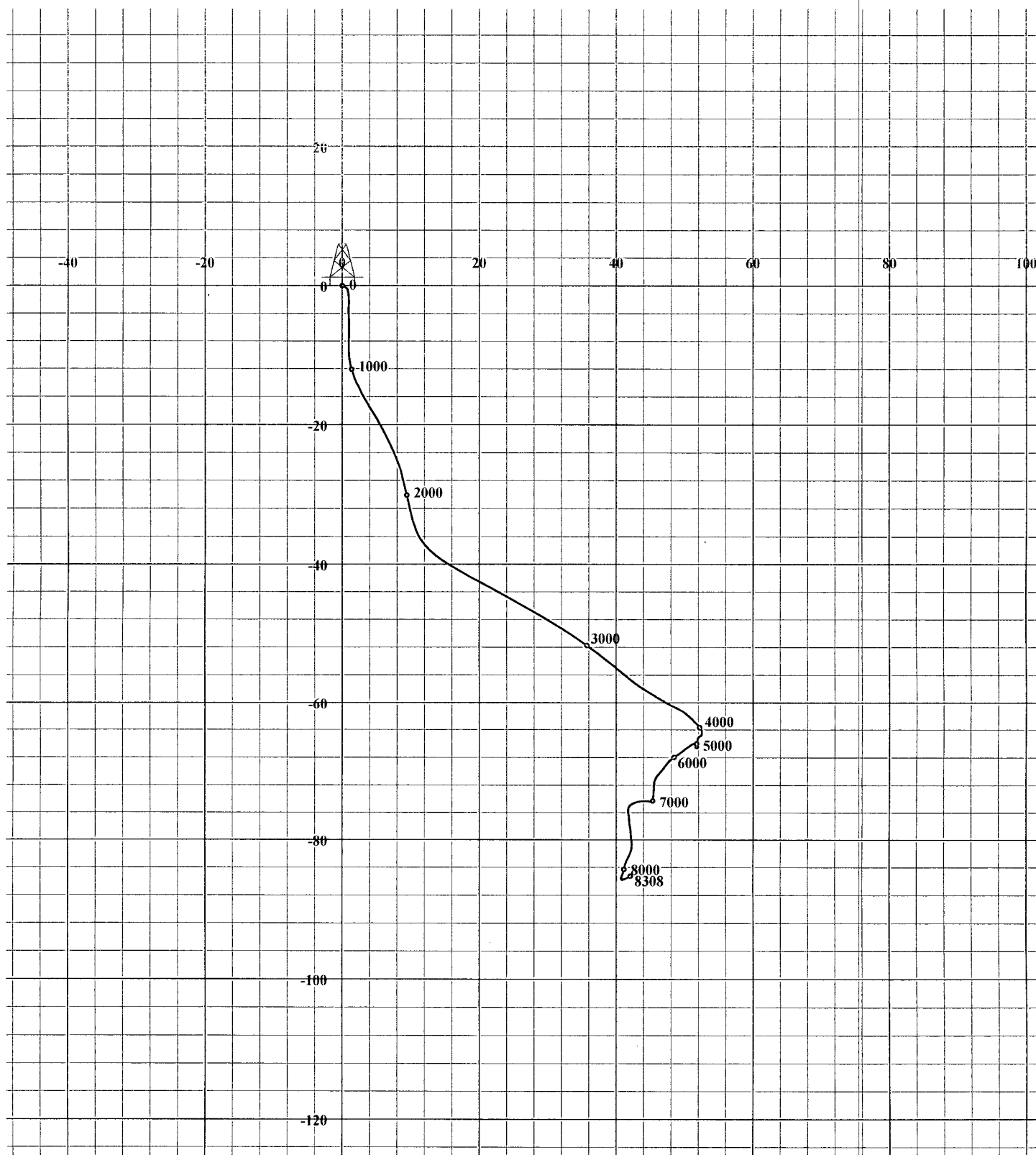


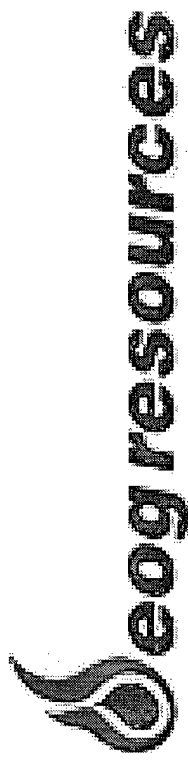
Azimuths to True North  
Magnetic North: 0.00°

Strength: 0nT  
Date: 6/1/2010  
Model: igrf2000

West(-)/East(+) [10ft/in]

South(-)/North(+) [10ft/in]





## **EOG Resources, Inc.**

**Eddy County  
Elk Wallow 11 State  
#1H  
OH**

**Survey: MWD #1**

## **Pathfinder X & Y Survey Report**

**07 June, 2010**

# **PATHFINDER**



# Pathfinder

Pathfinder X & Y Survey Report



Company: EOG Resources, Inc.  
Project: Eddy County  
Site: Elk Wallow 11 State  
Well: #1H  
Wellbore: OH  
Design: OH

Local Co-ordinate Reference:  
TVD Reference:  
MD Reference:  
North Reference:  
Survey Calculation Method:  
Database:

Well #1H  
WELL @ 3069.70ft (30' KB)  
WELL @ 3069.70ft (30' KB)  
Grid  
Minimum Curvature  
Midland Database

Project: Eddy County

Map System: US State Plane 1927 (Exact solution)  
Geo Datum: NAD 1927 (NADCON CONUS)  
Map Zone: New Mexico East 3001

System Datum: Mean Sea Level

Site: Elk Wallow 11 State

Site Position: From: Map  
Position Uncertainty: 0.00 ft

Northing: 418,830.100 ft  
Easting: 615,001.000 ft  
Slot Radius:  
Latitude: 32° 9' 3.367 N  
Longitude: 103° 57' 42.290 W  
Grid Convergence: 0.20 °

Well: #1H  
Well Position: +N/-S 0.00 ft  
+E/-W 0.00 ft  
Position Uncertainty: 0.00 ft

Northing: 418,830.100 ft  
Easting: 615,001.000 ft  
Wellhead Elevation: ft  
Latitude: 32° 9' 3.367 N  
Longitude: 103° 57' 42.290 W  
Ground Level: 3,040.00 ft

Wellbore: OH

Magnetics: Model Name IGRF2010  
Sample Date 05/20/2010

Declination (°) 7.89  
Dip Angle (°) 60.07  
Field Strength (nT) 48.637

Design: OH

Audit Notes:

Version: 1.0 Phase: ACTUAL

Tie On Depth: 0.00

Vertical Section: Depth From (TVD) (ft) 0.00

+N/-S (ft) 0.00  
+E/-W (ft) 0.00  
Direction (°) 179.85



# Pathfinder

Pathfinder X & Y Survey Report



Company: EOG Resources, Inc.  
Project: Eddy County  
Site: Elk Wallow 11-State  
Well: #1H  
Wellbore: OH  
Design: OH

Local Co-ordinate Reference:  
TVD Reference:  
MD Reference:  
North Reference:  
Survey Calculation Method:  
Database:

Well #1H:  
WELL @ 3069.70ft (30' KB)  
WELL @ 3069.70ft (30' KB)  
Grid:  
Minimum Curvature  
Midland Database

| Survey Program |           | Date        |         |
|----------------|-----------|-------------|---------|
| From (ft)      | To (ft)   | From (ft)   | To (ft) |
| 100.00         | 7,100.00  | GYRO (OH)   |         |
| 7,110.00       | 11,960.00 | MWD #1 (OH) |         |

| Survey | MD (ft)  | Inc (°) | Azi (°) | TVD (ft) | TVDSS (ft) | N/S (ft) | E/W (ft) | V. Sec (ft) | D/Leg (°/100ft) | Northing (ft) | Easting (ft) |
|--------|----------|---------|---------|----------|------------|----------|----------|-------------|-----------------|---------------|--------------|
|        | 7,100.00 | 0.56    | 278.43  | 7,098.66 | 4,028.96   | -74.30   | 44.79    | 74.42       | 0.00            | 418,755.80    | 615,045.79   |
|        | 7,110.00 | 0.70    | 279.54  | 7,108.66 | 4,038.96   | -74.29   | 44.68    | 74.40       | 1.41            | 418,755.81    | 615,045.68   |
|        | 7,176.00 | 1.23    | 221.79  | 7,174.65 | 4,104.95   | -74.75   | 43.81    | 74.86       | 1.58            | 418,755.35    | 615,044.81   |
|        | 7,207.00 | 3.43    | 188.83  | 7,205.63 | 4,135.93   | -75.91   | 43.45    | 76.03       | 8.03            | 418,754.19    | 615,044.45   |
|        | 7,238.00 | 7.47    | 180.48  | 7,236.48 | 4,166.78   | -78.85   | 43.29    | 78.96       | 13.25           | 418,751.25    | 615,044.29   |
|        | 7,270.00 | 12.31   | 177.67  | 7,267.99 | 4,198.29   | -84.34   | 43.41    | 84.45       | 15.20           | 418,745.76    | 615,044.41   |
|        | 7,301.00 | 16.53   | 178.81  | 7,298.01 | 4,228.31   | -92.05   | 43.64    | 92.17       | 13.64           | 418,738.05    | 615,044.64   |
|        | 7,332.00 | 20.75   | 180.83  | 7,327.38 | 4,257.68   | -101.96  | 43.65    | 102.07      | 13.77           | 418,728.14    | 615,044.65   |
|        | 7,363.00 | 23.92   | 181.45  | 7,356.05 | 4,286.35   | -113.73  | 43.41    | 113.85      | 10.25           | 418,716.37    | 615,044.41   |
|        | 7,395.00 | 27.17   | 180.57  | 7,384.92 | 4,315.22   | -127.53  | 43.17    | 127.64      | 10.22           | 418,702.57    | 615,044.17   |
|        | 7,426.00 | 30.86   | 179.78  | 7,412.02 | 4,342.32   | -142.56  | 43.13    | 142.67      | 11.97           | 418,687.54    | 615,044.13   |
|        | 7,457.00 | 34.56   | 177.85  | 7,438.10 | 4,368.40   | -159.30  | 43.49    | 159.42      | 12.40           | 418,670.80    | 615,044.49   |
|        | 7,488.00 | 38.51   | 176.70  | 7,463.01 | 4,393.31   | -177.73  | 44.38    | 177.85      | 12.93           | 418,652.37    | 615,045.38   |
|        | 7,520.00 | 41.68   | 177.41  | 7,487.48 | 4,417.78   | -198.31  | 45.43    | 198.43      | 10.01           | 418,631.79    | 615,046.43   |
|        | 7,551.00 | 44.67   | 179.08  | 7,510.09 | 4,440.39   | -219.51  | 46.07    | 219.63      | 10.32           | 418,610.59    | 615,047.07   |
|        | 7,582.00 | 48.01   | 179.78  | 7,531.49 | 4,461.79   | -241.93  | 46.29    | 242.05      | 10.90           | 418,588.17    | 615,047.29   |
|        | 7,613.00 | 51.53   | 180.13  | 7,551.51 | 4,481.81   | -265.60  | 46.31    | 265.72      | 11.39           | 418,564.50    | 615,047.31   |
|        | 7,644.00 | 55.31   | 179.60  | 7,569.98 | 4,500.28   | -290.49  | 46.37    | 290.61      | 12.27           | 418,539.61    | 615,047.37   |
|        | 7,675.00 | 58.65   | 180.13  | 7,586.87 | 4,517.17   | -316.48  | 46.43    | 316.60      | 10.87           | 418,513.62    | 615,047.43   |
|        | 7,706.00 | 61.99   | 180.57  | 7,602.21 | 4,532.51   | -343.40  | 46.26    | 343.52      | 10.84           | 418,486.70    | 615,047.26   |
|        | 7,737.00 | 65.25   | 181.36  | 7,615.99 | 4,546.29   | -371.17  | 45.79    | 371.29      | 10.76           | 418,458.93    | 615,046.79   |



# Pathfinder

## Pathfinder X & Y Survey Report



Company: EOG Resources, Inc.  
Project: Eddy County  
Site: Elk Wallow 11 State  
Well: #1H  
Wellbore: OH  
Design: OH

Local Co-ordinate Reference:  
TVD Reference:  
MD Reference:  
North Reference:  
Survey Calculation Method:  
Database:

Well #1H  
WELL @ 3069.70ft (30' KB)  
WELL @ 3069.70ft (30' KB)  
Grid:  
Minimum Curvature  
Midland Database

| Survey | MD<br>(ft) | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDSS<br>(ft) | N/S<br>(ft) | EW<br>(ft) | V. Sec<br>(ft) | DLeg<br>(°/100ft) | Northing<br>(ft) | Easting<br>(ft) |
|--------|------------|------------|------------|-------------|---------------|-------------|------------|----------------|-------------------|------------------|-----------------|
|        | 7,768.00   | 68.32      | 180.40     | 7,628.21    | 4,558.51      | -399.65     | 45.36      | 399.77         | 10.30             | 418,430.45       | 615,046.36      |
|        | 7,800.00   | 71.40      | 180.13     | 7,639.22    | 4,569.52      | -429.69     | 45.22      | 429.81         | 9.66              | 418,400.41       | 615,046.22      |
|        | 7,831.00   | 75.01      | 180.22     | 7,648.18    | 4,578.48      | -459.36     | 45.13      | 459.48         | 11.65             | 418,370.74       | 615,046.13      |
|        | 7,863.00   | 78.61      | 180.31     | 7,655.48    | 4,585.78      | -490.51     | 44.99      | 490.63         | 11.25             | 418,339.59       | 615,045.99      |
|        | 7,894.00   | 81.25      | 180.40     | 7,660.90    | 4,591.20      | -521.03     | 44.80      | 521.15         | 8.52              | 418,309.07       | 615,045.80      |
|        | 7,925.00   | 83.98      | 180.31     | 7,664.88    | 4,595.18      | -551.77     | 44.61      | 551.89         | 8.81              | 418,278.33       | 615,045.61      |
|        | 7,957.00   | 86.88      | 180.40     | 7,667.43    | 4,597.73      | -583.67     | 44.41      | 583.78         | 9.07              | 418,246.43       | 615,045.41      |
|        | 7,995.00   | 89.78      | 180.48     | 7,668.54    | 4,598.84      | -621.64     | 44.12      | 621.76         | 7.63              | 418,208.46       | 615,045.12      |
|        | 8,057.00   | 90.48      | 180.75     | 7,668.40    | 4,598.70      | -683.64     | 43.45      | 683.75         | 1.21              | 418,146.46       | 615,044.45      |
|        | 8,120.00   | 90.40      | 181.54     | 7,667.91    | 4,598.21      | -746.63     | 42.19      | 746.73         | 1.26              | 418,083.47       | 615,043.19      |
|        | 8,182.00   | 89.60      | 180.57     | 7,667.91    | 4,598.21      | -808.61     | 41.05      | 808.72         | 2.03              | 418,021.49       | 615,042.05      |
|        | 8,244.00   | 89.87      | 181.01     | 7,668.20    | 4,598.50      | -870.61     | 40.20      | 870.71         | 0.83              | 417,959.49       | 615,041.20      |
|        | 8,307.00   | 90.04      | 181.19     | 7,668.25    | 4,598.55      | -933.59     | 38.99      | 933.69         | 0.39              | 417,896.51       | 615,039.99      |
|        | 8,369.00   | 89.78      | 180.40     | 7,668.35    | 4,598.65      | -995.59     | 38.13      | 995.68         | 1.34              | 417,834.51       | 615,039.13      |
|        | 8,431.00   | 89.87      | 180.40     | 7,668.54    | 4,598.84      | -1,057.59   | 37.69      | 1,057.68       | 0.15              | 417,772.51       | 615,038.69      |
|        | 8,494.00   | 90.04      | 180.13     | 7,668.59    | 4,598.89      | -1,120.59   | 37.40      | 1,120.68       | 0.51              | 417,709.51       | 615,038.40      |
|        | 8,563.00   | 90.40      | 180.31     | 7,668.32    | 4,598.62      | -1,189.58   | 37.14      | 1,189.68       | 0.58              | 417,640.52       | 615,038.14      |
|        | 8,625.00   | 90.75      | 180.57     | 7,667.70    | 4,598.00      | -1,251.58   | 36.66      | 1,251.67       | 0.70              | 417,578.52       | 615,037.66      |
|        | 8,680.00   | 89.52      | 181.01     | 7,667.57    | 4,597.87      | -1,306.57   | 35.90      | 1,306.66       | 2.38              | 417,523.53       | 615,036.90      |
|        | 8,743.00   | 89.25      | 181.54     | 7,668.25    | 4,598.55      | -1,369.55   | 34.50      | 1,369.64       | 0.94              | 417,460.55       | 615,035.50      |
|        | 8,805.00   | 89.25      | 181.19     | 7,669.06    | 4,599.36      | -1,431.53   | 33.02      | 1,431.61       | 0.56              | 417,398.57       | 615,034.02      |
|        | 8,899.00   | 89.52      | 181.01     | 7,670.07    | 4,600.37      | -1,525.51   | 31.22      | 1,525.58       | 0.35              | 417,304.59       | 615,032.22      |
|        | 8,993.00   | 89.34      | 180.57     | 7,671.00    | 4,601.30      | -1,619.49   | 29.92      | 1,619.57       | 0.51              | 417,210.61       | 615,030.92      |
|        | 9,085.00   | 89.43      | 180.22     | 7,671.99    | 4,602.29      | -1,711.49   | 29.29      | 1,711.56       | 0.39              | 417,118.61       | 615,030.29      |
|        | 9,178.00   | 89.43      | 177.93     | 7,672.92    | 4,603.22      | -1,804.46   | 30.79      | 1,804.54       | 2.46              | 417,025.64       | 615,031.79      |
|        | 9,272.00   | 89.08      | 178.20     | 7,674.14    | 4,604.44      | -1,898.40   | 33.96      | 1,898.48       | 0.47              | 416,931.70       | 615,034.96      |
|        | 9,366.00   | 89.34      | 178.46     | 7,675.43    | 4,605.73      | -1,992.35   | 36.70      | 1,992.44       | 0.39              | 416,837.75       | 615,037.70      |



Pathfinder  
Pathfinder X & Y Survey Report



Company: EOG Resources, Inc.  
Project: Eddy County  
Site: Elk Wallow 11 State  
Well: #1H  
Wellbore: OH  
Design: OH

Local Co-ordinate Reference:  
TVD Reference:  
MD Reference:  
North Reference:  
Survey Calculation Method:  
Database:

Well #1H  
WELL @ 3069.70ft (30' KB)  
WELL @ 3069.70ft (30' KB)  
Grid  
Minimum Curvature  
Midland Database

| Survey | MD<br>(ft) | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDSS<br>(ft) | N/S<br>(ft) | EW<br>(ft) | V. Sec<br>(ft) | D Leg<br>(°/100ft) | Northing<br>(ft) | Easting<br>(ft) |
|--------|------------|------------|------------|-------------|---------------|-------------|------------|----------------|--------------------|------------------|-----------------|
|        | 9,460.00   | 89.43      | 179.43     | 7,676.44    | 4,606.74      | -2,086.33   | 38.43      | 2,086.42       | 1.04               | 416,743.77       | 615,039.43      |
|        | 9,553.00   | 90.84      | 180.40     | 7,676.22    | 4,606.52      | -2,179.33   | 38.57      | 2,179.42       | 1.84               | 416,650.77       | 615,039.57      |
|        | 9,647.00   | 89.60      | 179.69     | 7,675.86    | 4,606.16      | -2,273.32   | 38.50      | 2,273.42       | 1.52               | 416,556.78       | 615,039.50      |
|        | 9,740.00   | 89.43      | 179.34     | 7,676.65    | 4,606.95      | -2,366.32   | 39.29      | 2,366.41       | 0.42               | 416,463.78       | 615,040.29      |
|        | 9,834.00   | 89.69      | 177.85     | 7,677.37    | 4,607.67      | -2,460.28   | 41.59      | 2,460.38       | 1.61               | 416,369.82       | 615,042.59      |
|        | 9,927.00   | 89.69      | 177.85     | 7,677.87    | 4,608.17      | -2,553.22   | 45.08      | 2,553.32       | 0.00               | 416,276.88       | 615,046.08      |
|        | 10,021.00  | 92.07      | 179.08     | 7,676.43    | 4,606.73      | -2,647.16   | 47.60      | 2,647.28       | 2.85               | 416,182.94       | 615,048.60      |
|        | 10,114.00  | 92.42      | 178.55     | 7,672.79    | 4,603.09      | -2,740.07   | 49.52      | 2,740.19       | 0.68               | 416,090.03       | 615,050.52      |
|        | 10,208.00  | 92.33      | 177.85     | 7,668.89    | 4,599.19      | -2,833.94   | 52.47      | 2,834.07       | 0.75               | 415,996.16       | 615,053.47      |
|        | 10,300.00  | 91.01      | 177.50     | 7,666.21    | 4,596.51      | -2,925.83   | 56.20      | 2,925.96       | 1.48               | 415,904.27       | 615,057.20      |
|        | 10,393.00  | 90.66      | 178.55     | 7,664.86    | 4,595.16      | -3,018.76   | 59.40      | 3,018.90       | 1.19               | 415,811.34       | 615,060.40      |
|        | 10,487.00  | 90.75      | 177.67     | 7,663.70    | 4,594.00      | -3,112.70   | 62.50      | 3,112.85       | 0.94               | 415,717.40       | 615,063.50      |
|        | 10,580.00  | 91.28      | 177.67     | 7,662.05    | 4,592.35      | -3,205.61   | 66.28      | 3,205.77       | 0.57               | 415,624.49       | 615,067.28      |
|        | 10,674.00  | 92.07      | 178.11     | 7,659.30    | 4,589.60      | -3,299.50   | 69.74      | 3,299.67       | 0.96               | 415,530.60       | 615,070.74      |
|        | 10,768.00  | 90.31      | 177.93     | 7,657.35    | 4,587.65      | -3,393.42   | 72.99      | 3,393.60       | 1.88               | 415,436.68       | 615,073.99      |
|        | 10,861.00  | 90.40      | 178.37     | 7,656.78    | 4,587.08      | -3,486.37   | 75.99      | 3,486.56       | 0.48               | 415,343.73       | 615,076.99      |
|        | 10,955.00  | 90.48      | 177.67     | 7,656.05    | 4,586.35      | -3,580.31   | 79.24      | 3,580.51       | 0.75               | 415,249.79       | 615,080.24      |
|        | 11,048.00  | 90.75      | 177.93     | 7,655.06    | 4,585.36      | -3,673.24   | 82.81      | 3,673.44       | 0.40               | 415,156.86       | 615,083.81      |
|        | 11,141.00  | 91.10      | 177.06     | 7,653.55    | 4,583.85      | -3,766.14   | 86.87      | 3,766.35       | 1.01               | 415,063.96       | 615,087.87      |
|        | 11,235.00  | 90.40      | 176.70     | 7,652.32    | 4,582.62      | -3,859.99   | 91.99      | 3,860.22       | 0.84               | 414,970.11       | 615,092.99      |
|        | 11,328.00  | 89.96      | 176.44     | 7,652.03    | 4,582.33      | -3,952.82   | 97.55      | 3,953.06       | 0.55               | 414,877.28       | 615,098.55      |
|        | 11,422.00  | 89.96      | 176.00     | 7,652.10    | 4,582.40      | -4,046.62   | 103.75     | 4,046.87       | 0.47               | 414,783.48       | 615,104.75      |
|        | 11,516.00  | 90.31      | 176.09     | 7,651.88    | 4,582.18      | -4,140.39   | 110.23     | 4,140.67       | 0.38               | 414,689.71       | 615,111.23      |
|        | 11,609.00  | 91.10      | 176.35     | 7,650.73    | 4,581.03      | -4,233.18   | 116.37     | 4,233.47       | 0.89               | 414,596.92       | 615,117.37      |
|        | 11,705.00  | 91.28      | 176.70     | 7,648.74    | 4,579.04      | -4,328.99   | 122.18     | 4,329.29       | 0.41               | 414,501.11       | 615,123.18      |
|        | 11,798.00  | 91.71      | 177.50     | 7,646.31    | 4,576.61      | -4,421.83   | 126.89     | 4,422.15       | 0.98               | 414,408.27       | 615,127.89      |
|        | 11,913.00  | 93.21      | 178.46     | 7,641.38    | 4,571.68      | -4,536.65   | 130.94     | 4,536.98       | 1.55               | 414,293.45       | 615,131.94      |



# Pathfinder

Pathfinder X & Y Survey Report



|           |                     |                              |                           |
|-----------|---------------------|------------------------------|---------------------------|
| Company:  | EOG Resources, Inc. | Local Co-ordinate Reference: | Well #1H:                 |
| Project:  | Eddy County         | TVD Reference:               | WELL @ 3069.70ft (30' KB) |
| Site:     | Elk Wallow 11 State | MD Reference:                | WELL @ 3069.70ft (30' KB) |
| Well:     | #1H                 | North Reference:             | Grid:                     |
| Wellbore: | OH                  | Survey Calculation Method:   | Minimum Curvature         |
| Design:   | OH                  | Database:                    | Midland Database          |

| Survey                                                                                       | MD<br>(ft) | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDSS<br>(ft) | N/S<br>(ft) | E/W<br>(ft) | V. Sec<br>(ft) | D Leg<br>(°/100ft) | North<br>(ft) | East<br>(ft) |
|----------------------------------------------------------------------------------------------|------------|------------|------------|-------------|---------------|-------------|-------------|----------------|--------------------|---------------|--------------|
|                                                                                              | 11,960.00  | 93.21      | 178.46     | 7,638.74    | 4,569.04      | -4,583.56   | 132.20      | 4,583.89       | 0.00               | 414,246.54    | 615,133.20   |
| BHL-11960.00' MD, 93.21° INC, 178.46° AZI, 7638.74' TVD, 4583.89' VS, -4583.56' N, 132.20' E |            |            |            |             |               |             |             |                |                    |               |              |

| Targets              | Target Name                                                                                    | - hit/miss target | - Shape                  | Dip Angle<br>(°) | Dip Dir.<br>(°) | TVD<br>(ft) | +N/-S<br>(ft) | +E/-W<br>(ft) | North<br>(ft) | East<br>(ft) | Latitude        | Longitude         |
|----------------------|------------------------------------------------------------------------------------------------|-------------------|--------------------------|------------------|-----------------|-------------|---------------|---------------|---------------|--------------|-----------------|-------------------|
| Karlsbad Corral 11ST | - survey misses target center by 444.98ft at 7363.00ft MD (7356.05 TVD, -113.73 N, 43.41 E)    |                   | - Circle (radius 80.00)  | 0.00             | 0.00            | 7,535.00    | 265.50        | 192.30        | 419,095.600   | 615,193.300  | 32° 9' 5.988 N  | 103° 57' 40.042 W |
|                      |                                                                                                |                   |                          |                  |                 |             |               |               |               |              |                 |                   |
|                      |                                                                                                |                   |                          |                  |                 |             |               |               |               |              |                 |                   |
| PBHL(ELK#1)          | - survey misses target center by 150.25ft at 11960.00ft MD (7638.74 TVD, -4583.56 N, 132.20 E) |                   | - Point                  | 0.00             | 0.00            | 7,700.70    | -4,651.20     | 13.20         | 414,178.900   | 615,014.200  | 32° 8' 17.337 N | 103° 57' 42.323 W |
|                      |                                                                                                |                   |                          |                  |                 |             |               |               |               |              |                 |                   |
|                      |                                                                                                |                   |                          |                  |                 |             |               |               |               |              |                 |                   |
| Karlsbad SWD #2      | - survey misses target center by 262.41ft at 11960.00ft MD (7638.74 TVD, -4583.56 N, 132.20 E) |                   | - Circle (radius 120.00) | 0.00             | 0.00            | 7,535.00    | -4,631.60     | -104.00       | 414,198.500   | 614,897.000  | 32° 8' 17.535 N | 103° 57' 43.685 W |
|                      |                                                                                                |                   |                          |                  |                 |             |               |               |               |              |                 |                   |
|                      |                                                                                                |                   |                          |                  |                 |             |               |               |               |              |                 |                   |

| Survey Annotations | Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Local Coordinates<br>+N/-S<br>(ft) | +E/-W<br>(ft) | Comment                                                                 |
|--------------------|---------------------------|---------------------------|------------------------------------|---------------|-------------------------------------------------------------------------|
|                    | 11,960.00                 | 7,638.74                  | -4,583.56                          | 132.20        | BHL-11960.00' MD, 93.21° INC, 178.46° AZI, 7638.74' TVD, 4583.89' VS, - |

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



**EOG Resources, Inc.**  
4000 North Big Spring, Suite 500  
Midland, TX 79705  
(915) 686-3600

October 14, 2010

State of New Mexico  
Oil Conservation Division  
1301 W. Grand Avenue  
Artesia, New Mexico 88210

Re: Confidentiality Request  
Elk Wallow 11 State 1H

Enclosed please find logs and completion papers for our Elk Wallow 11 State 1H.  
EOG Resources, Inc. respectfully requests confidentiality for the logs and completion  
papers on this well.

Thank you for your consideration of this request.

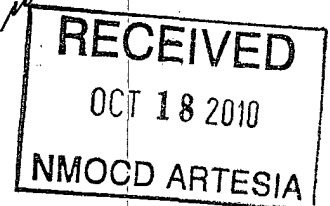
Sincerely,

EOG Resources, Inc.

A handwritten signature in black ink, appearing to read "Stan Wagner".

Stan Wagner  
Regulatory Analyst  
432.686.3689

*Copy 9/23/10  
Dustin 10/13/10  
Dustin 11/13/11*



30-025-37588