

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.****SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

|                                                                                                                                  |                                                       |                                                    |
|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|
| 1. Type of Well<br><input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other |                                                       | 8. Well Name and No.<br>ROSS GULCH 8 FED COM 1H    |
| 2. Name of Operator<br>EOG RESOURCES INCORPORATED<br>Contact: STAN WAGNER<br>E-Mail: stan_wagner@eogresources.com                |                                                       | 9. API Well No.<br>30-015-39171-00-X1              |
| 3a. Address<br>P O BOX 2267<br>MIDLAND, TX 79702                                                                                 | 3b. Phone No. (include area code)<br>Ph: 432-686-3689 | 10. Field and Pool, or Exploratory<br>UNDESIGNATED |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>Sec 8 T26S R31E NENW Lot C 330FSL 1540FWL              |                                                       | 11. County or Parish, and State<br>EDDY COUNTY, NM |

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

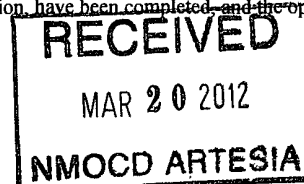
| TYPE OF SUBMISSION                                   | TYPE OF ACTION                                |                                           |                                                    |                                           |
|------------------------------------------------------|-----------------------------------------------|-------------------------------------------|----------------------------------------------------|-------------------------------------------|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off   |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity   |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other |
|                                                      | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       | Change to Original APD                    |
|                                                      | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |                                           |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

EOG Resources requests an amendment to our approved APD for the Ross Gulch 8 Fed Com 1H.

Changes are: Amend the proposed depth from 8300' to 8750' TVD. 13248' MD

Change the production casing from 5-1/2", 20#, P110 or HCP110 NSCC to 5-1/2", 17#, P110 or HCP110 LTC.



*Additional cement may be needed as excess is 18%.*

Accepted for record  
NMOCD 10/9/2012

|                                                                                                                                                                                                                                                                                        |                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 14. I hereby certify that the foregoing is true and correct.<br>Electronic Submission #132192 verified by the BLM Well Information System<br>For EOG RESOURCES INCORPORATED, sent to the Carlsbad<br>Committed to AFMSS for processing by DEBORAH MCKINNEY on 03/07/2012 (12DLM0672SE) |                          |
| Name (Printed/Typed) STAN WAGNER                                                                                                                                                                                                                                                       | Title REGULATORY ANALYST |
| Signature (Electronic Submission)                                                                                                                                                                                                                                                      | Date 03/05/2012          |
| <b>THIS SPACE FOR FEDERAL OR STATE OFFICE USE</b>                                                                                                                                                                                                                                      |                          |
| Approved By                                                                                                                                                                                                                                                                            | Title                    |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.                              |                          |
| Office                                                                                                                                                                                                                                                                                 | Date                     |
| WESLEY W. INGRAM<br>PETROLEUM ENGINEER                                                                                                                                                                                                                                                 |                          |

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

## **EOG Resources**

**Eddy County, NM (Nad27)**

**Ross Gulch 8 Fed Com**

**Ross Gulch 8 Fed 1H**

**Wellbore #1**

**Plan: Plan #3 022912**

## **EOG Resources**

**29 February, 2012**





**PHOENIX**  
TECHNOLOGY SERVICES

| Date 02/29/12 |           |                              |          |                |
|---------------|-----------|------------------------------|----------|----------------|
| Amount        | Plan      | Description                  | Category | Account        |
| 0.00          | 13,247.98 | Plan #3 022912 (Wellbore #1) | MWD      | MWD - Standard |

Phoenix Technology Services  
EOG Resources



| EOG Resources                    |       |       | Well Ross Gulch 8 Fed 1H |          |       | Well @ 3307.10usft (Original Well Elev +30' KB) |       |       | Well @ 3307.10usft (Original Well Elev +30' KB) |            |      |
|----------------------------------|-------|-------|--------------------------|----------|-------|-------------------------------------------------|-------|-------|-------------------------------------------------|------------|------|
| Eddy County, NM (Nad27)          |       |       | Grid                     |          |       | Minimum Curvature                               |       |       | GCR DB v5000                                    |            |      |
| Ross Gulch 8 Fed Com             |       |       |                          |          |       |                                                 |       |       |                                                 |            |      |
| Ross Gulch 8 Fed 1H              |       |       |                          |          |       |                                                 |       |       |                                                 |            |      |
| Wellbore #1                      |       |       |                          |          |       |                                                 |       |       |                                                 |            |      |
| Plan #3 022912                   |       |       |                          |          |       |                                                 |       |       |                                                 |            |      |
| Depth                            | Angle | Rate  | True                     | Depth    | Angle | Rate                                            | True  | Depth | Angle                                           | Rate       | True |
| 0.00                             | 0.00  | 0.00  | -3,307.10                | 0.00     | 0.00  | 0.00                                            | 0.00  | 0.00  | 387,297.40                                      | 664,129.50 |      |
| 100.00                           | 0.00  | 0.00  | -3,207.10                | 100.00   | 0.00  | 0.00                                            | 0.00  | 0.00  | 387,297.40                                      | 664,129.50 |      |
| 200.00                           | 0.00  | 0.00  | -3,107.10                | 200.00   | 0.00  | 0.00                                            | 0.00  | 0.00  | 387,297.40                                      | 664,129.50 |      |
| 300.00                           | 0.00  | 0.00  | -3,007.10                | 300.00   | 0.00  | 0.00                                            | 0.00  | 0.00  | 387,297.40                                      | 664,129.50 |      |
| 400.00                           | 0.00  | 0.00  | -2,907.10                | 400.00   | 0.00  | 0.00                                            | 0.00  | 0.00  | 387,297.40                                      | 664,129.50 |      |
| 500.00                           | 0.00  | 0.00  | -2,807.10                | 500.00   | 0.00  | 0.00                                            | 0.00  | 0.00  | 387,297.40                                      | 664,129.50 |      |
| 600.00                           | 0.00  | 0.00  | -2,707.10                | 600.00   | 0.00  | 0.00                                            | 0.00  | 0.00  | 387,297.40                                      | 664,129.50 |      |
| 700.00                           | 0.00  | 0.00  | -2,607.10                | 700.00   | 0.00  | 0.00                                            | 0.00  | 0.00  | 387,297.40                                      | 664,129.50 |      |
| 800.00                           | 0.00  | 0.00  | -2,507.10                | 800.00   | 0.00  | 0.00                                            | 0.00  | 0.00  | 387,297.40                                      | 664,129.50 |      |
| 900.00                           | 0.00  | 0.00  | -2,407.10                | 900.00   | 0.00  | 0.00                                            | 0.00  | 0.00  | 387,297.40                                      | 664,129.50 |      |
| 1,000.00                         | 0.00  | 0.00  | -2,307.10                | 1,000.00 | 0.00  | 0.00                                            | 0.00  | 0.00  | 387,297.40                                      | 664,129.50 |      |
| 1,100.00                         | 0.00  | 0.00  | -2,207.10                | 1,100.00 | 0.00  | 0.00                                            | 0.00  | 0.00  | 387,297.40                                      | 664,129.50 |      |
| 1,200.00                         | 0.00  | 0.00  | -2,107.10                | 1,200.00 | 0.00  | 0.00                                            | 0.00  | 0.00  | 387,297.40                                      | 664,129.50 |      |
| 1,300.00                         | 0.00  | 0.00  | -2,007.10                | 1,300.00 | 0.00  | 0.00                                            | 0.00  | 0.00  | 387,297.40                                      | 664,129.50 |      |
| 1,400.00                         | 0.00  | 0.00  | -1,907.10                | 1,400.00 | 0.00  | 0.00                                            | 0.00  | 0.00  | 387,297.40                                      | 664,129.50 |      |
| 1,500.00                         | 0.00  | 0.00  | -1,807.10                | 1,500.00 | 0.00  | 0.00                                            | 0.00  | 0.00  | 387,297.40                                      | 664,129.50 |      |
| Start Build 2.50                 |       |       |                          |          |       |                                                 |       |       |                                                 |            |      |
| 1,600.00                         | 2.50  | 90.00 | -1,707.13                | 1,599.97 | 0.00  | 2.18                                            | 0.34  | 2.50  | 387,297.40                                      | 664,131.68 |      |
| 1,700.00                         | 5.00  | 90.00 | -1,607.35                | 1,699.75 | 0.00  | 8.72                                            | 1.38  | 2.50  | 387,297.40                                      | 664,138.22 |      |
| 1,760.00                         | 6.50  | 90.00 | -1,547.66                | 1,759.44 | 0.00  | 14.73                                           | 2.33  | 2.50  | 387,297.40                                      | 664,144.23 |      |
| Start 6100.00 hold at 1760.00 MD |       |       |                          |          |       |                                                 |       |       |                                                 |            |      |
| 1,800.00                         | 6.50  | 90.00 | -1,507.91                | 1,799.19 | 0.00  | 19.26                                           | 3.04  | 0.00  | 387,297.40                                      | 664,148.76 |      |
| 1,900.00                         | 6.50  | 90.00 | -1,408.56                | 1,898.54 | 0.00  | 30.58                                           | 4.83  | 0.00  | 387,297.40                                      | 664,160.08 |      |
| 2,000.00                         | 6.50  | 90.00 | -1,309.20                | 1,997.90 | 0.00  | 41.90                                           | 6.62  | 0.00  | 387,297.40                                      | 664,171.40 |      |
| 2,100.00                         | 6.50  | 90.00 | -1,209.84                | 2,097.26 | 0.00  | 53.22                                           | 8.41  | 0.00  | 387,297.40                                      | 664,182.72 |      |
| 2,200.00                         | 6.50  | 90.00 | -1,110.49                | 2,196.61 | 0.00  | 64.54                                           | 10.20 | 0.00  | 387,297.40                                      | 664,194.04 |      |
| 2,300.00                         | 6.50  | 90.00 | -1,011.13                | 2,295.97 | 0.00  | 75.86                                           | 11.99 | 0.00  | 387,297.40                                      | 664,205.36 |      |

Phoenix Technology Services  
EOG Resources



EOG Resources  
Eddy County, NM (Nad27)  
Ross Gulch 8 Fed Com  
Ross Gulch 8 Fed 1H  
Wellbore #1  
Plan #3 022812

Well Ross Gulch 8 Fed 1H  
WELL @ 3307.10usft (Original Well Elev +30' KB)  
WELL @ 3307.10usft (Original Well Elev +30' KB)  
Grid  
Minimum Curvature  
GCR DB v5000

|                                  |      |       |           |          |      |       |       |      |            |            |            |
|----------------------------------|------|-------|-----------|----------|------|-------|-------|------|------------|------------|------------|
| 0.00                             | 0.00 | 0.00  | -3,307.10 | 0.00     | 0.00 | 0.00  | 0.00  | 0.00 | 0.00       | 387,297.40 | 664,129.50 |
| 100.00                           | 0.00 | 0.00  | -3,207.10 | 100.00   | 0.00 | 0.00  | 0.00  | 0.00 | 0.00       | 387,297.40 | 664,129.50 |
| 200.00                           | 0.00 | 0.00  | -3,107.10 | 200.00   | 0.00 | 0.00  | 0.00  | 0.00 | 0.00       | 387,297.40 | 664,129.50 |
| 300.00                           | 0.00 | 0.00  | -3,007.10 | 300.00   | 0.00 | 0.00  | 0.00  | 0.00 | 0.00       | 387,297.40 | 664,129.50 |
| 400.00                           | 0.00 | 0.00  | -2,907.10 | 400.00   | 0.00 | 0.00  | 0.00  | 0.00 | 0.00       | 387,297.40 | 664,129.50 |
| 500.00                           | 0.00 | 0.00  | -2,807.10 | 500.00   | 0.00 | 0.00  | 0.00  | 0.00 | 0.00       | 387,297.40 | 664,129.50 |
| 600.00                           | 0.00 | 0.00  | -2,707.10 | 600.00   | 0.00 | 0.00  | 0.00  | 0.00 | 0.00       | 387,297.40 | 664,129.50 |
| 700.00                           | 0.00 | 0.00  | -2,607.10 | 700.00   | 0.00 | 0.00  | 0.00  | 0.00 | 0.00       | 387,297.40 | 664,129.50 |
| 800.00                           | 0.00 | 0.00  | -2,507.10 | 800.00   | 0.00 | 0.00  | 0.00  | 0.00 | 0.00       | 387,297.40 | 664,129.50 |
| 900.00                           | 0.00 | 0.00  | -2,407.10 | 900.00   | 0.00 | 0.00  | 0.00  | 0.00 | 0.00       | 387,297.40 | 664,129.50 |
| 1,000.00                         | 0.00 | 0.00  | -2,307.10 | 1,000.00 | 0.00 | 0.00  | 0.00  | 0.00 | 0.00       | 387,297.40 | 664,129.50 |
| 1,100.00                         | 0.00 | 0.00  | -2,207.10 | 1,100.00 | 0.00 | 0.00  | 0.00  | 0.00 | 0.00       | 387,297.40 | 664,129.50 |
| 1,200.00                         | 0.00 | 0.00  | -2,107.10 | 1,200.00 | 0.00 | 0.00  | 0.00  | 0.00 | 0.00       | 387,297.40 | 664,129.50 |
| 1,300.00                         | 0.00 | 0.00  | -2,007.10 | 1,300.00 | 0.00 | 0.00  | 0.00  | 0.00 | 0.00       | 387,297.40 | 664,129.50 |
| 1,400.00                         | 0.00 | 0.00  | -1,907.10 | 1,400.00 | 0.00 | 0.00  | 0.00  | 0.00 | 0.00       | 387,297.40 | 664,129.50 |
| 1,500.00                         | 0.00 | 0.00  | -1,807.10 | 1,500.00 | 0.00 | 0.00  | 0.00  | 0.00 | 0.00       | 387,297.40 | 664,129.50 |
| Start Build 2.80                 |      |       |           |          |      |       |       |      |            |            |            |
| 1,600.00                         | 2.50 | 90.00 | -1,707.13 | 1,599.97 | 0.00 | 2.18  | 0.34  | 2.50 | 387,297.40 | 664,131.66 |            |
| 1,700.00                         | 5.00 | 90.00 | -1,607.35 | 1,699.75 | 0.00 | 8.72  | 1.38  | 2.50 | 387,297.40 | 664,138.22 |            |
| 1,760.00                         | 6.50 | 90.00 | -1,547.66 | 1,759.44 | 0.00 | 14.73 | 2.33  | 2.50 | 387,297.40 | 664,144.23 |            |
| Start 6100.00 hold at 1760.00 MD |      |       |           |          |      |       |       |      |            |            |            |
| 1,800.00                         | 6.50 | 90.00 | -1,507.91 | 1,799.19 | 0.00 | 19.26 | 3.04  | 0.00 | 387,297.40 | 664,148.76 |            |
| 1,900.00                         | 6.50 | 90.00 | -1,408.56 | 1,898.54 | 0.00 | 30.58 | 4.83  | 0.00 | 387,297.40 | 664,160.08 |            |
| 2,000.00                         | 6.50 | 90.00 | -1,309.20 | 1,997.90 | 0.00 | 41.90 | 6.62  | 0.00 | 387,297.40 | 664,171.40 |            |
| 2,100.00                         | 6.50 | 90.00 | -1,209.84 | 2,097.26 | 0.00 | 53.22 | 8.41  | 0.00 | 387,297.40 | 664,182.72 |            |
| 2,200.00                         | 6.50 | 90.00 | -1,110.49 | 2,196.61 | 0.00 | 64.54 | 10.20 | 0.00 | 387,297.40 | 664,194.04 |            |
| 2,300.00                         | 6.50 | 90.00 | -1,011.13 | 2,295.97 | 0.00 | 75.86 | 11.99 | 0.00 | 387,297.40 | 664,205.36 |            |

Phoenix Technology Services  
EOG Resources



EOG Resources  
Eddy County, NM (Nad27)  
Ross Gulch 8 Fed Com  
Ross Gulch 8 Fed 1H  
Wellbore #1  
Plan #3 022912

Well Ross Gulch 8 Fed 1H  
WELL @ 3307.10uoft (Original Well Elev +30' KB)  
WELL @ 3307.10uoft (Original Well Elev +30' KB)  
Grid  
Minimum Curvature  
GCR DB v5000

| Station  | Offset | Depth | True Northing | True Easting | True Elevation | True Azimuth | True Azimuth | True Azimuth | True Azimuth | True Azimuth | True Azimuth |
|----------|--------|-------|---------------|--------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 2,400.00 | 6.50   | 90.00 | -911.77       | 2,395.33     | 0.00           | 87.18        | 13.78        | 0.00         | 387,297.40   | 664,216.68   |              |
| 2,500.00 | 6.50   | 90.00 | -812.41       | 2,494.69     | 0.00           | 98.50        | 15.57        | 0.00         | 387,297.40   | 664,228.00   |              |
| 2,600.00 | 6.50   | 90.00 | -713.06       | 2,594.04     | 0.00           | 109.82       | 17.36        | 0.00         | 387,297.40   | 664,239.32   |              |
| 2,700.00 | 6.50   | 90.00 | -613.70       | 2,693.40     | 0.00           | 121.14       | 19.15        | 0.00         | 387,297.40   | 664,250.64   |              |
| 2,800.00 | 6.50   | 90.00 | -514.34       | 2,792.76     | 0.00           | 132.46       | 20.94        | 0.00         | 387,297.40   | 664,261.96   |              |
| 2,900.00 | 6.50   | 90.00 | -414.99       | 2,892.11     | 0.00           | 143.78       | 22.73        | 0.00         | 387,297.40   | 664,273.28   |              |
| 3,000.00 | 6.50   | 90.00 | -315.63       | 2,991.47     | 0.00           | 155.10       | 24.52        | 0.00         | 387,297.40   | 664,284.60   |              |
| 3,100.00 | 6.50   | 90.00 | -216.27       | 3,090.83     | 0.00           | 166.42       | 26.31        | 0.00         | 387,297.40   | 664,295.92   |              |
| 3,200.00 | 6.50   | 90.00 | -116.91       | 3,190.19     | 0.00           | 177.74       | 28.10        | 0.00         | 387,297.40   | 664,307.24   |              |
| 3,300.00 | 6.50   | 90.00 | -17.56        | 3,289.54     | 0.00           | 189.07       | 29.89        | 0.00         | 387,297.40   | 664,318.57   |              |
| 3,400.00 | 6.50   | 90.00 | 81.80         | 3,388.90     | 0.00           | 200.39       | 31.68        | 0.00         | 387,297.40   | 664,329.89   |              |
| 3,500.00 | 6.50   | 90.00 | 181.16        | 3,488.26     | 0.00           | 211.71       | 33.47        | 0.00         | 387,297.40   | 664,341.21   |              |
| 3,600.00 | 6.50   | 90.00 | 280.51        | 3,587.61     | 0.00           | 223.03       | 35.26        | 0.00         | 387,297.40   | 664,352.53   |              |
| 3,700.00 | 6.50   | 90.00 | 379.87        | 3,686.97     | 0.00           | 234.35       | 37.05        | 0.00         | 387,297.40   | 664,363.85   |              |
| 3,800.00 | 6.50   | 90.00 | 479.23        | 3,786.33     | 0.00           | 245.67       | 38.84        | 0.00         | 387,297.40   | 664,375.17   |              |
| 3,900.00 | 6.50   | 90.00 | 578.59        | 3,885.69     | 0.00           | 256.99       | 40.63        | 0.00         | 387,297.40   | 664,386.49   |              |
| 4,000.00 | 6.50   | 90.00 | 677.94        | 3,985.04     | 0.00           | 268.31       | 42.42        | 0.00         | 387,297.40   | 664,397.81   |              |
| 4,100.00 | 6.50   | 90.00 | 777.30        | 4,084.40     | 0.00           | 279.63       | 44.21        | 0.00         | 387,297.40   | 664,409.13   |              |
| 4,200.00 | 6.50   | 90.00 | 876.66        | 4,183.76     | 0.00           | 290.95       | 46.00        | 0.00         | 387,297.40   | 664,420.45   |              |
| 4,300.00 | 6.50   | 90.00 | 976.02        | 4,283.12     | 0.00           | 302.27       | 47.79        | 0.00         | 387,297.40   | 664,431.77   |              |
| 4,400.00 | 6.50   | 90.00 | 1,075.37      | 4,382.47     | 0.00           | 313.59       | 49.58        | 0.00         | 387,297.40   | 664,443.09   |              |
| 4,500.00 | 6.50   | 90.00 | 1,174.73      | 4,481.83     | 0.00           | 324.91       | 51.37        | 0.00         | 387,297.40   | 664,454.41   |              |
| 4,600.00 | 6.50   | 90.00 | 1,274.09      | 4,581.19     | 0.00           | 336.23       | 53.16        | 0.00         | 387,297.40   | 664,465.73   |              |
| 4,700.00 | 6.50   | 90.00 | 1,373.44      | 4,680.54     | 0.00           | 347.55       | 54.95        | 0.00         | 387,297.40   | 664,477.05   |              |
| 4,800.00 | 6.50   | 90.00 | 1,472.80      | 4,779.90     | 0.00           | 358.87       | 56.74        | 0.00         | 387,297.40   | 664,488.37   |              |
| 4,900.00 | 6.50   | 90.00 | 1,572.16      | 4,879.26     | 0.00           | 370.19       | 58.53        | 0.00         | 387,297.40   | 664,499.69   |              |
| 5,000.00 | 6.50   | 90.00 | 1,671.52      | 4,978.62     | 0.00           | 381.51       | 60.32        | 0.00         | 387,297.40   | 664,511.01   |              |

Phoenix Technology Services  
EOG Resources



| EOG Resources           |       |       | Well Ross Gulch 8 Fed 1H |           |            | WELL @ 3307.10uoft (Original Well Elev +30' KB) |            |           | WELL @ 3307.10uoft (Original Well Elev +30' KB) |            |            |
|-------------------------|-------|-------|--------------------------|-----------|------------|-------------------------------------------------|------------|-----------|-------------------------------------------------|------------|------------|
| Eddy County, NM (Nad27) |       |       | Grid                     |           |            | Minimum Curvature                               |            |           | GCR DB v5000                                    |            |            |
| Ross Gulch 8 Fed Com    |       |       |                          |           |            |                                                 |            |           |                                                 |            |            |
| Ross Gulch 8 Fed 1H     |       |       |                          |           |            |                                                 |            |           |                                                 |            |            |
| Wellbore #1             |       |       |                          |           |            |                                                 |            |           |                                                 |            |            |
| Plan #3 022912          |       |       |                          |           |            |                                                 |            |           |                                                 |            |            |
| Station                 | Depth | Angle | True North               | True East | True South | True West                                       | True North | True East | True South                                      | True West  | True North |
| 5,100.00                | 6.50  | 90.00 | 1,770.87                 | 5,077.97  | 0.00       | 392.83                                          | 62.11      | 0.00      | 387,297.40                                      | 664,522.33 |            |
| 5,200.00                | 6.50  | 90.00 | 1,870.23                 | 5,177.33  | 0.00       | 404.15                                          | 63.89      | 0.00      | 387,297.40                                      | 664,533.65 |            |
| 5,300.00                | 6.50  | 90.00 | 1,969.59                 | 5,276.69  | 0.00       | 415.47                                          | 65.68      | 0.00      | 387,297.40                                      | 664,544.97 |            |
| 5,400.00                | 6.50  | 90.00 | 2,068.94                 | 5,376.04  | 0.00       | 426.79                                          | 67.47      | 0.00      | 387,297.40                                      | 664,556.29 |            |
| 5,500.00                | 6.50  | 90.00 | 2,168.30                 | 5,475.40  | 0.00       | 438.11                                          | 69.26      | 0.00      | 387,297.40                                      | 664,567.61 |            |
| 5,600.00                | 6.50  | 90.00 | 2,267.66                 | 5,574.76  | 0.00       | 449.43                                          | 71.05      | 0.00      | 387,297.40                                      | 664,578.93 |            |
| 5,700.00                | 6.50  | 90.00 | 2,367.02                 | 5,674.12  | 0.00       | 460.75                                          | 72.84      | 0.00      | 387,297.40                                      | 664,590.25 |            |
| 5,800.00                | 6.50  | 90.00 | 2,466.37                 | 5,773.47  | 0.00       | 472.07                                          | 74.63      | 0.00      | 387,297.40                                      | 664,601.57 |            |
| 5,900.00                | 6.50  | 90.00 | 2,565.73                 | 5,872.83  | 0.00       | 483.39                                          | 76.42      | 0.00      | 387,297.40                                      | 664,612.89 |            |
| 6,000.00                | 6.50  | 90.00 | 2,665.09                 | 5,972.19  | 0.00       | 494.71                                          | 78.21      | 0.00      | 387,297.40                                      | 664,624.21 |            |
| 6,100.00                | 6.50  | 90.00 | 2,764.44                 | 6,071.54  | 0.00       | 506.03                                          | 80.00      | 0.00      | 387,297.40                                      | 664,635.53 |            |
| 6,200.00                | 6.50  | 90.00 | 2,863.80                 | 6,170.90  | 0.00       | 517.35                                          | 81.79      | 0.00      | 387,297.40                                      | 664,646.85 |            |
| 6,300.00                | 6.50  | 90.00 | 2,963.16                 | 6,270.26  | 0.00       | 528.67                                          | 83.58      | 0.00      | 387,297.40                                      | 664,658.17 |            |
| 6,400.00                | 6.50  | 90.00 | 3,062.52                 | 6,369.62  | 0.00       | 540.00                                          | 85.37      | 0.00      | 387,297.40                                      | 664,669.50 |            |
| 6,500.00                | 6.50  | 90.00 | 3,161.87                 | 6,468.97  | 0.00       | 551.32                                          | 87.16      | 0.00      | 387,297.40                                      | 664,680.82 |            |
| 6,600.00                | 6.50  | 90.00 | 3,261.23                 | 6,568.33  | 0.00       | 562.64                                          | 88.95      | 0.00      | 387,297.40                                      | 664,692.14 |            |
| 6,700.00                | 6.50  | 90.00 | 3,360.59                 | 6,667.69  | 0.00       | 573.96                                          | 90.74      | 0.00      | 387,297.40                                      | 664,703.46 |            |
| 6,800.00                | 6.50  | 90.00 | 3,459.94                 | 6,767.04  | 0.00       | 585.28                                          | 92.53      | 0.00      | 387,297.40                                      | 664,714.78 |            |
| 6,900.00                | 6.50  | 90.00 | 3,559.30                 | 6,866.40  | 0.00       | 596.60                                          | 94.32      | 0.00      | 387,297.40                                      | 664,726.10 |            |
| 7,000.00                | 6.50  | 90.00 | 3,658.66                 | 6,965.76  | 0.00       | 607.92                                          | 96.11      | 0.00      | 387,297.40                                      | 664,737.42 |            |
| 7,100.00                | 6.50  | 90.00 | 3,758.02                 | 7,065.12  | 0.00       | 619.24                                          | 97.90      | 0.00      | 387,297.40                                      | 664,748.74 |            |
| 7,200.00                | 6.50  | 90.00 | 3,857.37                 | 7,164.47  | 0.00       | 630.56                                          | 99.69      | 0.00      | 387,297.40                                      | 664,760.06 |            |
| 7,300.00                | 6.50  | 90.00 | 3,956.73                 | 7,263.83  | 0.00       | 641.88                                          | 101.48     | 0.00      | 387,297.40                                      | 664,771.38 |            |
| 7,400.00                | 6.50  | 90.00 | 4,056.09                 | 7,363.19  | 0.00       | 653.20                                          | 103.27     | 0.00      | 387,297.40                                      | 664,782.70 |            |
| 7,500.00                | 6.50  | 90.00 | 4,155.45                 | 7,462.55  | 0.00       | 664.52                                          | 105.06     | 0.00      | 387,297.40                                      | 664,794.02 |            |
| 7,600.00                | 6.50  | 90.00 | 4,254.80                 | 7,561.90  | 0.00       | 675.84                                          | 106.85     | 0.00      | 387,297.40                                      | 664,805.34 |            |
| 7,700.00                | 6.50  | 90.00 | 4,354.16                 | 7,661.26  | 0.00       | 687.16                                          | 108.64     | 0.00      | 387,297.40                                      | 664,816.66 |            |

Phoenix Technology Services  
EOG Resources



|                                                                                                                          |       |        |          |          |           |        |          |                                                                                                                                                                             |            |            |
|--------------------------------------------------------------------------------------------------------------------------|-------|--------|----------|----------|-----------|--------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|
| EOG Resources<br>Eddy County, NM (Nad27)<br>Ross Gulch 8 Fed Com<br>Ross Gulch 8 Fed 1H<br>Wellbore #1<br>Plan #3 022912 |       |        |          |          |           |        |          | Well Ross Gulch 8 Fed 1H<br>WELL @ 3307.10uoft (Original Well Elev +30' KB)<br>WELL @ 3307.10uoft (Original Well Elev +30' KB)<br>Grid<br>Minimum Curvature<br>GCR DB v5000 |            |            |
|                                                                                                                          |       |        |          |          |           |        |          |                                                                                                                                                                             |            |            |
| 7,800.00                                                                                                                 | 6.50  | 90.00  | 4,453.52 | 7,760.62 | 0.00      | 698.48 | 110.43   | 0.00                                                                                                                                                                        | 387,297.40 | 664,827.98 |
| 7,860.00                                                                                                                 | 6.50  | 90.00  | 4,513.13 | 7,820.23 | 0.00      | 705.27 | 111.50   | 0.00                                                                                                                                                                        | 387,297.40 | 664,834.77 |
| Start Drop -1.50                                                                                                         |       |        |          |          |           |        |          |                                                                                                                                                                             |            |            |
| 7,900.00                                                                                                                 | 5.90  | 90.00  | 4,552.90 | 7,860.00 | 0.00      | 709.59 | 112.18   | 1.50                                                                                                                                                                        | 387,297.40 | 664,839.09 |
| 8,000.00                                                                                                                 | 4.40  | 90.00  | 4,652.49 | 7,959.59 | 0.00      | 718.57 | 113.60   | 1.50                                                                                                                                                                        | 387,297.40 | 664,848.07 |
| 8,100.00                                                                                                                 | 2.90  | 90.00  | 4,752.28 | 8,059.38 | 0.00      | 724.93 | 114.61   | 1.50                                                                                                                                                                        | 387,297.40 | 664,854.43 |
| 8,200.00                                                                                                                 | 1.40  | 90.00  | 4,852.21 | 8,159.31 | 0.00      | 728.69 | 115.20   | 1.50                                                                                                                                                                        | 387,297.40 | 664,858.19 |
| 8,293.33                                                                                                                 | 0.00  | 0.00   | 4,945.54 | 8,252.84 | 0.00      | 729.83 | 115.38   | 1.50                                                                                                                                                                        | 387,297.40 | 664,859.33 |
| Start 19.98 hold at 8293.33 MD                                                                                           |       |        |          |          |           |        |          |                                                                                                                                                                             |            |            |
| 8,300.00                                                                                                                 | 0.00  | 0.00   | 4,952.20 | 8,259.30 | 0.00      | 729.83 | 115.38   | 0.00                                                                                                                                                                        | 387,297.40 | 664,859.33 |
| 8,313.31                                                                                                                 | 0.00  | 0.00   | 4,965.51 | 8,272.61 | 0.00      | 729.83 | 115.38   | 0.00                                                                                                                                                                        | 387,297.40 | 664,859.33 |
| Start Build 12.00                                                                                                        |       |        |          |          |           |        |          |                                                                                                                                                                             |            |            |
| 8,400.00                                                                                                                 | 10.40 | 179.80 | 5,051.73 | 8,358.83 | -7.85     | 729.85 | 123.14   | 12.00                                                                                                                                                                       | 387,289.55 | 664,859.36 |
| 8,500.00                                                                                                                 | 22.40 | 179.80 | 5,147.48 | 8,454.58 | -36.04    | 729.95 | 150.99   | 12.00                                                                                                                                                                       | 387,281.36 | 664,859.45 |
| 8,600.00                                                                                                                 | 34.40 | 179.80 | 5,235.28 | 8,542.38 | -83.52    | 730.12 | 197.89   | 12.00                                                                                                                                                                       | 387,213.88 | 664,859.62 |
| 8,700.00                                                                                                                 | 46.40 | 179.80 | 5,311.29 | 8,618.39 | -148.21   | 730.35 | 261.81   | 12.00                                                                                                                                                                       | 387,149.19 | 664,859.85 |
| 8,800.00                                                                                                                 | 58.40 | 179.80 | 5,372.19 | 8,679.29 | -227.30   | 730.63 | 339.95   | 12.00                                                                                                                                                                       | 387,070.10 | 664,860.13 |
| 8,900.00                                                                                                                 | 70.40 | 179.80 | 5,415.32 | 8,722.42 | -317.32   | 730.95 | 428.89   | 12.00                                                                                                                                                                       | 386,980.08 | 664,860.45 |
| 9,000.00                                                                                                                 | 82.40 | 179.80 | 5,438.78 | 8,745.88 | -414.34   | 731.30 | 524.74   | 12.00                                                                                                                                                                       | 386,883.06 | 664,860.80 |
| 9,071.64                                                                                                                 | 91.00 | 179.80 | 5,442.90 | 8,750.00 | -485.79   | 731.55 | 595.34   | 12.00                                                                                                                                                                       | 386,811.81 | 664,861.05 |
| Start 4176.67 hold at 9071.64 MD                                                                                         |       |        |          |          |           |        |          |                                                                                                                                                                             |            |            |
| 9,100.00                                                                                                                 | 91.00 | 179.80 | 5,442.41 | 8,749.51 | -514.15   | 731.85 | 623.35   | 0.00                                                                                                                                                                        | 386,783.25 | 664,861.15 |
| 9,200.00                                                                                                                 | 91.00 | 179.80 | 5,440.68 | 8,747.76 | -614.13   | 732.01 | 722.14   | 0.00                                                                                                                                                                        | 386,683.27 | 664,861.51 |
| 9,300.00                                                                                                                 | 91.00 | 179.80 | 5,438.92 | 8,746.02 | -714.12   | 732.36 | 820.92   | 0.00                                                                                                                                                                        | 386,583.28 | 664,861.86 |
| 9,400.00                                                                                                                 | 91.00 | 179.80 | 5,437.17 | 8,744.27 | -814.10   | 732.72 | 919.70   | 0.00                                                                                                                                                                        | 386,483.30 | 664,862.22 |
| 9,500.00                                                                                                                 | 91.00 | 179.80 | 5,435.43 | 8,742.53 | -914.08   | 733.08 | 1,018.49 | 0.00                                                                                                                                                                        | 386,383.32 | 664,862.58 |
| 9,600.00                                                                                                                 | 91.00 | 179.80 | 5,433.68 | 8,740.78 | -1,014.07 | 733.43 | 1,117.27 | 0.00                                                                                                                                                                        | 386,283.33 | 664,862.93 |



Phoenix Technology Services  
EOG Resources



| EOG Resources                                   |          |          |          |          |           |          |          |          |            |            |
|-------------------------------------------------|----------|----------|----------|----------|-----------|----------|----------|----------|------------|------------|
| Eddy County, NM (Nad27)                         |          |          |          |          |           |          |          |          |            |            |
| Rosa Gulch 8 Fed Com                            |          |          |          |          |           |          |          |          |            |            |
| Rosa Gulch 8 Fed 1H                             |          |          |          |          |           |          |          |          |            |            |
| Wellbore #1                                     |          |          |          |          |           |          |          |          |            |            |
| Plan #3 022912                                  |          |          |          |          |           |          |          |          |            |            |
| Well Rosa Gulch 8 Fed 1H                        |          |          |          |          |           |          |          |          |            |            |
| WELL @ 3307.10usft (Original Well Elev +30' KB) |          |          |          |          |           |          |          |          |            |            |
| WELL @ 3307.10usft (Original Well Elev +30' KB) |          |          |          |          |           |          |          |          |            |            |
| Grid                                            |          |          |          |          |           |          |          |          |            |            |
| Minimum Curvature                               |          |          |          |          |           |          |          |          |            |            |
| GCR DB v5000                                    |          |          |          |          |           |          |          |          |            |            |
| Depth                                           | Interval | Interval | Interval | Interval | Interval  | Interval | Interval | Interval | Interval   | Interval   |
| 9,700.00                                        | 91.00    | 179.80   | 5,431.84 | 8,739.04 | -1,114.05 | 733.79   | 1,218.05 | 0.00     | 386,183.35 | 664,863.29 |
| 9,800.00                                        | 91.00    | 179.80   | 5,430.19 | 8,737.29 | -1,214.04 | 734.14   | 1,314.83 | 0.00     | 386,083.36 | 664,863.84 |
| 9,900.00                                        | 91.00    | 179.80   | 5,428.45 | 8,735.55 | -1,314.02 | 734.50   | 1,413.62 | 0.00     | 385,983.38 | 664,864.00 |
| 10,000.00                                       | 91.00    | 179.80   | 5,426.70 | 8,733.80 | -1,414.01 | 734.85   | 1,512.40 | 0.00     | 385,883.39 | 664,864.35 |
| 10,100.00                                       | 91.00    | 179.80   | 5,424.96 | 8,732.06 | -1,513.99 | 735.21   | 1,611.18 | 0.00     | 385,783.41 | 664,864.71 |
| 10,200.00                                       | 91.00    | 179.80   | 5,423.21 | 8,730.31 | -1,613.97 | 735.56   | 1,709.97 | 0.00     | 385,683.43 | 664,865.06 |
| 10,300.00                                       | 91.00    | 179.80   | 5,421.47 | 8,728.57 | -1,713.96 | 735.92   | 1,808.75 | 0.00     | 385,583.44 | 664,865.42 |
| 10,400.00                                       | 91.00    | 179.80   | 5,419.72 | 8,726.82 | -1,813.94 | 736.27   | 1,907.53 | 0.00     | 385,483.46 | 664,865.77 |
| 10,500.00                                       | 91.00    | 179.80   | 5,417.97 | 8,725.07 | -1,913.93 | 736.63   | 2,006.31 | 0.00     | 385,383.47 | 664,866.13 |
| 10,600.00                                       | 91.00    | 179.80   | 5,416.23 | 8,723.33 | -2,013.91 | 736.99   | 2,105.10 | 0.00     | 385,283.49 | 664,866.49 |
| 10,700.00                                       | 91.00    | 179.80   | 5,414.48 | 8,721.58 | -2,113.89 | 737.34   | 2,203.88 | 0.00     | 385,183.51 | 664,866.84 |
| 10,800.00                                       | 91.00    | 179.80   | 5,412.74 | 8,719.84 | -2,213.88 | 737.70   | 2,302.66 | 0.00     | 385,083.52 | 664,867.20 |
| 10,900.00                                       | 91.00    | 179.80   | 5,410.99 | 8,718.09 | -2,313.86 | 738.05   | 2,401.45 | 0.00     | 384,983.54 | 664,867.55 |
| 11,000.00                                       | 91.00    | 179.80   | 5,409.25 | 8,716.35 | -2,413.85 | 738.41   | 2,500.23 | 0.00     | 384,883.55 | 664,867.91 |
| 11,100.00                                       | 91.00    | 179.80   | 5,407.50 | 8,714.60 | -2,513.83 | 738.76   | 2,599.01 | 0.00     | 384,783.57 | 664,868.26 |
| 11,200.00                                       | 91.00    | 179.80   | 5,405.76 | 8,712.86 | -2,613.81 | 739.12   | 2,697.79 | 0.00     | 384,683.59 | 664,868.62 |
| 11,300.00                                       | 91.00    | 179.80   | 5,404.01 | 8,711.11 | -2,713.80 | 739.47   | 2,796.58 | 0.00     | 384,583.60 | 664,868.97 |
| 11,400.00                                       | 91.00    | 179.80   | 5,402.27 | 8,709.37 | -2,813.78 | 739.83   | 2,895.36 | 0.00     | 384,483.62 | 664,869.33 |
| 11,500.00                                       | 91.00    | 179.80   | 5,400.52 | 8,707.62 | -2,913.77 | 740.19   | 2,994.14 | 0.00     | 384,383.63 | 664,869.69 |
| 11,600.00                                       | 91.00    | 179.80   | 5,398.78 | 8,705.88 | -3,013.75 | 740.54   | 3,092.93 | 0.00     | 384,283.65 | 664,870.04 |
| 11,700.00                                       | 91.00    | 179.80   | 5,397.03 | 8,704.13 | -3,113.74 | 740.90   | 3,191.71 | 0.00     | 384,183.66 | 664,870.40 |
| 11,800.00                                       | 91.00    | 179.80   | 5,395.29 | 8,702.39 | -3,213.72 | 741.25   | 3,290.49 | 0.00     | 384,083.68 | 664,870.75 |
| 11,900.00                                       | 91.00    | 179.80   | 5,393.54 | 8,700.64 | -3,313.70 | 741.61   | 3,389.28 | 0.00     | 383,983.70 | 664,871.11 |
| 12,000.00                                       | 91.00    | 179.80   | 5,391.80 | 8,698.90 | -3,413.69 | 741.96   | 3,488.06 | 0.00     | 383,883.71 | 664,871.46 |
| 12,100.00                                       | 91.00    | 179.80   | 5,390.05 | 8,697.15 | -3,513.67 | 742.32   | 3,586.84 | 0.00     | 383,783.73 | 664,871.82 |
| 12,200.00                                       | 91.00    | 179.80   | 5,388.31 | 8,695.41 | -3,613.66 | 742.67   | 3,685.62 | 0.00     | 383,683.74 | 664,872.17 |
| 12,300.00                                       | 91.00    | 179.80   | 5,386.56 | 8,693.66 | -3,713.64 | 743.03   | 3,784.41 | 0.00     | 383,583.76 | 664,872.53 |

Phoenix Technology Services  
EOG Resources



|                |                         |                    |                                                 |
|----------------|-------------------------|--------------------|-------------------------------------------------|
| Client:        | EOG Resources           | Well Name:         | Well Ross Gulch 8 Fed 1H                        |
| Location:      | Eddy County, NM (Nad27) | Well Depth:        | WELL @ 3307.10uoft (Original Well Elev +30' KB) |
| Project:       | Ross Gulch 8 Fed Com    | Well Type:         | WELL @ 3307.10uoft (Original Well Elev +30' KB) |
| Well:          | Ross Gulch 8 Fed 1H     | Grid:              | Grid                                            |
| Wellbore #1:   | Wellbore #1             | Minimum Curvature: | Minimum Curvature                               |
| Plan #3 022812 | Plan #3 022812          | GCR DB v5000       | GCR DB v5000                                    |

| Depth (ft)            | Angle (deg) | True Vertical Depth (ft) | Horizontal Distance (ft) | Vertical Curvature (ft) | Horizontal Curvature (ft) | Vertical Curvature (ft) | Horizontal Curvature (ft) | Vertical Curvature (ft) | Horizontal Curvature (ft) | Vertical Curvature (ft) | Horizontal Curvature (ft) |
|-----------------------|-------------|--------------------------|--------------------------|-------------------------|---------------------------|-------------------------|---------------------------|-------------------------|---------------------------|-------------------------|---------------------------|
| 12,400.00             | 91.00       | 179.80                   | 5,384.82                 | 8,691.92                | -3,813.62                 | 743.38                  | 3,883.19                  | 0.00                    | 383,483.78                | 664,872.88              |                           |
| 12,500.00             | 91.00       | 179.80                   | 5,383.07                 | 8,690.17                | -3,913.61                 | 743.74                  | 3,981.97                  | 0.00                    | 383,383.79                | 664,873.24              |                           |
| 12,600.00             | 91.00       | 179.80                   | 5,381.32                 | 8,688.42                | -4,013.59                 | 744.10                  | 4,080.76                  | 0.00                    | 383,283.81                | 664,873.60              |                           |
| 12,700.00             | 91.00       | 179.80                   | 5,379.58                 | 8,686.68                | -4,113.58                 | 744.45                  | 4,179.54                  | 0.00                    | 383,183.82                | 664,873.95              |                           |
| 12,800.00             | 91.00       | 179.80                   | 5,377.83                 | 8,684.93                | -4,213.56                 | 744.81                  | 4,278.32                  | 0.00                    | 383,083.84                | 664,874.31              |                           |
| 12,900.00             | 91.00       | 179.80                   | 5,376.09                 | 8,683.19                | -4,313.55                 | 745.16                  | 4,377.10                  | 0.00                    | 382,983.85                | 664,874.66              |                           |
| 13,000.00             | 91.00       | 179.80                   | 5,374.34                 | 8,681.44                | -4,413.53                 | 745.52                  | 4,475.89                  | 0.00                    | 382,883.87                | 664,875.02              |                           |
| 13,100.00             | 91.00       | 179.80                   | 5,372.60                 | 8,679.70                | -4,513.51                 | 745.87                  | 4,574.67                  | 0.00                    | 382,783.89                | 664,875.37              |                           |
| 13,200.00             | 91.00       | 179.80                   | 5,370.85                 | 8,677.95                | -4,613.50                 | 746.23                  | 4,673.45                  | 0.00                    | 382,683.90                | 664,875.73              |                           |
| 13,247.00             | 91.00       | 179.80                   | 5,370.03                 | 8,677.13                | -4,660.49                 | 746.40                  | 4,719.88                  | 0.00                    | 382,636.91                | 664,875.90              |                           |
| <b>TD at 13248.31</b> |             |                          |                          |                         |                           |                         |                           |                         |                           |                         |                           |
| 13,248.31             | 91.00       | 179.80                   | 5,370.01                 | 8,677.11                | -4,661.80                 | 746.40                  | 4,721.17                  | 0.00                    | 382,635.60                | 664,875.90              |                           |

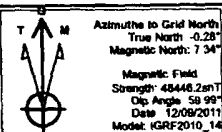
| Depth (ft) | Angle (deg) | True Vertical Depth (ft) | Horizontal Distance (ft) | Vertical Curvature (ft)          | Horizontal Curvature (ft) | Vertical Curvature (ft) | Horizontal Curvature (ft) | Vertical Curvature (ft) | Horizontal Curvature (ft) | Vertical Curvature (ft) | Horizontal Curvature (ft) |
|------------|-------------|--------------------------|--------------------------|----------------------------------|---------------------------|-------------------------|---------------------------|-------------------------|---------------------------|-------------------------|---------------------------|
| 1,500.00   | 1,500.00    | 0.00                     | 0.00                     | Start Build 2.50                 |                           |                         |                           |                         |                           |                         |                           |
| 1,760.00   | 1,759.44    | 0.00                     | 14.73                    | Start 8100.00 hold at 1760.00 MD |                           |                         |                           |                         |                           |                         |                           |
| 7,860.00   | 7,820.23    | 0.00                     | 705.27                   | Start Drop -1.50                 |                           |                         |                           |                         |                           |                         |                           |
| 8,293.33   | 8,252.64    | 0.00                     | 729.83                   | Start 19.98 hold at 8293.33 MD   |                           |                         |                           |                         |                           |                         |                           |
| 8,313.31   | 8,272.61    | 0.00                     | 729.83                   | Start Build 12.00                |                           |                         |                           |                         |                           |                         |                           |
| 9,071.64   | 8,750.00    | -485.79                  | 731.55                   | Start 4176.67 hold at 9071.64 MD |                           |                         |                           |                         |                           |                         |                           |
| 13,247.00  | 8,677.13    | -4,660.49                | 746.40                   | TD at 13248.31                   |                           |                         |                           |                         |                           |                         |                           |

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

# EOG Resources

**Project: Eddy County, NM (Nad27)**  
**Site: Ross Gulch 8 Fed Com**  
**Well: Ross Gulch 8 Fed 1H**  
**Wellbore: #1**  
**Plan: Plan #3 022912**  
**Rig: Cactus Rig No. 123**

**PROJECT DETAILS: Eddy County, NM (Nad27)**  
 Geodetic System: US State Plane 1827 (Exact solution)  
 Datum: NAD 1827 (NADCON CONUS)  
 Ellipsoid: Clarke 1866  
 Zone: New Mexico East 3001  
 System Datum: Mean Sea Level  
 Location North: Grid



## WELL DETAILS: Ross Gulch 8 Fed 1H

Ground Level: 3277.10  
 Northing: 387297.40  
 Easting: 664129.50  
 Longitude: 103° 48' 12.6397 W

## WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name: BHL Ross Gulch 8 Fed 1H  
 TVD: 8677.11  
 +N-S: -4661.80  
 +E-W: 746.40  
 Northing: 382835.60  
 Easting: 664875.90  
 Shape: Point

## SECTION DETAILS

| MD       | Inc   | Azi    | TVD     | +N-S     | +E-W   | Dleg  | TFace  | VSect   |
|----------|-------|--------|---------|----------|--------|-------|--------|---------|
| 0.00     | 0.00  | 0.00   | 0.00    | 0.00     | 0.00   | 0.00  | 0.00   | 0.00    |
| 1500.00  | 0.00  | 0.00   | 1500.00 | 0.00     | 0.00   | 0.00  | 0.00   | 0.00    |
| 1780.00  | 6.50  | 90.00  | 1759.44 | 0.00     | 14.73  | 2.50  | 90.00  | 2.33    |
| 7860.00  | 6.50  | 90.00  | 7820.23 | 0.00     | 705.27 | 0.00  | 0.00   | 111.50  |
| 8263.33  | 0.00  | 0.00   | 8263.33 | 0.00     | 729.83 | 1.50  | 180.00 | 115.38  |
| 8313.31  | 0.00  | 0.00   | 8272.61 | 0.00     | 729.83 | 0.00  | 0.00   | 115.38  |
| 9071.64  | 91.00 | 179.80 | 8750.00 | -485.79  | 731.55 | 12.00 | 179.80 | 595.34  |
| 13248.31 | 91.00 | 179.80 | 8677.11 | -4661.80 | 746.40 | 0.00  | 0.00   | 4721.17 |

BHL Ross Gulch 8 Fed 1H

## ANNOTATIONS

| TVD     | MD       | Annotation                       |
|---------|----------|----------------------------------|
| 1500.00 | 1500.00  | Start Build 2.50                 |
| 1759.44 | 1760.00  | Start 6100.00 hold at 1760.00 MD |
| 7820.23 | 7860.00  | Start Drop -1.50                 |
| 8263.33 | 8263.33  | Start 19.98 hold at 8263.33 MD   |
| 8272.61 | 8313.31  | Start Build 12.00                |
| 8750.00 | 9071.64  | Start 4176.87 hold at 9071.64 MD |
| 8677.11 | 13248.31 | TD at 13248.31                   |

## FORMATION TOP DETAILS

No formation data is available

