

Form 3160-5  
(June 2015)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**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.**5. Lease Serial No.  
NMNM132943

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
HOLYFIELD 9 FED COM 310H9. API Well No.  
30-025-47703-00-X110. Field and Pool or Exploratory Area  
PITCHFORK RANCH11. County or Parish, State  
LEA COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Contact: EMILY FOLLIS

EOG RESOURCES INCORPORATED-DE-Mail: emily\_follis@eogresources.com

3a. Address

PO BOX 2267  
MIDLAND, TX 79702

3b. Phone No. (include area code)

Ph: 432-636-3600

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 9 T25S R34E SWSW 200FSL 662FWL  
32.138306 N Lat, 103.481308 W Lon

## 12. CHECK THE 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"/> Hydraulic Fracturing | <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 A                      |
|                                                      | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back            | <input type="checkbox"/> Water Disposal            | PD                                        |

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 recompleat 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must 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 respectfully requests an amendment to our approved APD for this well to reflect the following changes:

Change well number to 310H from 710

Change target formation to First Bone Spring Sand

Adjust casing and cement program to accommodate shallower target

see attachments

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #540652 verified by the BLM Well Information System

For EOG RESOURCES INCORPORATED, sent to the Hobbs

Committed to AFMSS for processing by PRISCILLA PEREZ on 12/14/2020 (21PP0853SE)

Name (Printed/Typed) BEN HOCHER

Title REGULATORY ASSOC.

Signature (Electronic Submission)

Date 12/14/2020

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By JEROMY PORTER

Title PETROLEUM ENGINEER

Date 12/31/2020

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 Hobbs

KZ

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.

(Instructions on page 2)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

**Revisions to Operator-Submitted EC Data for Sundry Notice #540652**

|                | <b>Operator Submitted</b>                                                                                    | <b>BLM Revised (AFMSS)</b>                                                                                       |
|----------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Sundry Type:   | APDCH<br>SR                                                                                                  | APDCH<br>NOI                                                                                                     |
| Lease:         | NMNM132943                                                                                                   | NMNM132943                                                                                                       |
| Agreement:     |                                                                                                              |                                                                                                                  |
| Operator:      | EOG RESOURCES INC<br>PO BOX 2267<br>MIDLAND, TX 79702<br>Ph: 432-636-3600                                    | EOG RESOURCES INCORPORATED<br>PO BOX 2267<br>MIDLAND, TX 79702<br>Ph: 432.686.3689                               |
| Admin Contact: | EMILY FOLLIS<br>SR REGULATORY ADMINISTRATOR<br>E-Mail: emily_follis@eogresources.com<br><br>Ph: 432-636-3600 | EMILY FOLLIS<br>SR REGULATORY ADMINISTRATOR<br>E-Mail: emily_follis@eogresources.com<br><br>Ph: 432-636-3600     |
| Tech Contact:  | BEN HOCHER<br>REGULATORY ASSISTANT<br>E-Mail: ben_hocher@eogresources.com<br><br>Ph: 432-636-3600            | BEN HOCHER<br>REGULATORY ASSOC.<br>E-Mail: Ben_Hocher@eogresources.com<br>Cell: 432-556-7258<br>Ph: 432-636-3600 |
| Location:      |                                                                                                              |                                                                                                                  |
| State:         | NM                                                                                                           | NM                                                                                                               |
| County:        | LEA COUNTY                                                                                                   | LEA                                                                                                              |
| Field/Pool:    | 98116 WC025 G09 S253402N                                                                                     | PITCHFORK RANCH                                                                                                  |
| Well/Facility: | HOLYFIELD 9 FED COM 310H<br>Sec 9 T25S R34E 200FSL 662FWL                                                    | HOLYFIELD 9 FED COM 310H<br>Sec 9 T25S R34E SWSW 200FSL 662FWL<br>32.138306 N Lat, 103.481308 W Lon              |

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

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

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                              |                                                          |                                                               |
|----------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|
| <sup>1</sup> API Number<br><b>3002547703</b> | <sup>2</sup> Pool Code<br><b>51020</b>                   | <sup>3</sup> Pool Name<br><b>RED HILLS; LOWER BONE SPRING</b> |
| <sup>4</sup> Property Code<br><b>329345</b>  | <sup>5</sup> Property Name<br><b>HOLYFIELD 9 FED COM</b> |                                                               |
| <sup>7</sup> OGRID No.<br><b>7377</b>        | <sup>8</sup> Operator Name<br><b>EOG RESOURCES, INC.</b> | <sup>6</sup> Well Number<br><b>310H</b>                       |
|                                              |                                                          | <sup>9</sup> Elevation<br><b>3343'</b>                        |

<sup>10</sup>Surface Location

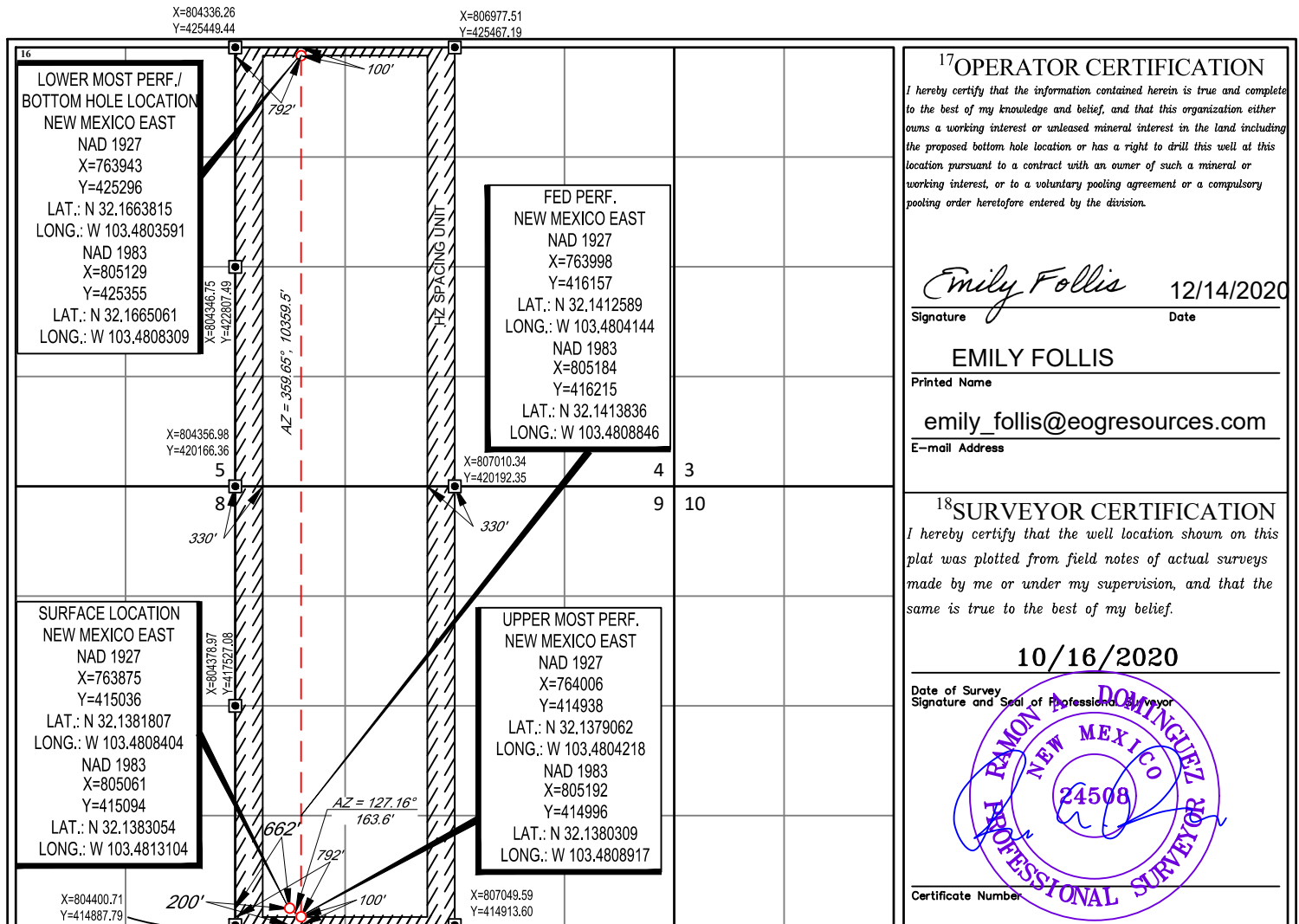
| UL or lot no. | Section  | Township    | Range       | Lot Idn  | Feet from the | North/South line | Feet from the | East/West line | County     |
|---------------|----------|-------------|-------------|----------|---------------|------------------|---------------|----------------|------------|
| <b>M</b>      | <b>9</b> | <b>25-S</b> | <b>34-E</b> | <b>-</b> | <b>200'</b>   | <b>SOUTH</b>     | <b>662'</b>   | <b>WEST</b>    | <b>LEA</b> |

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

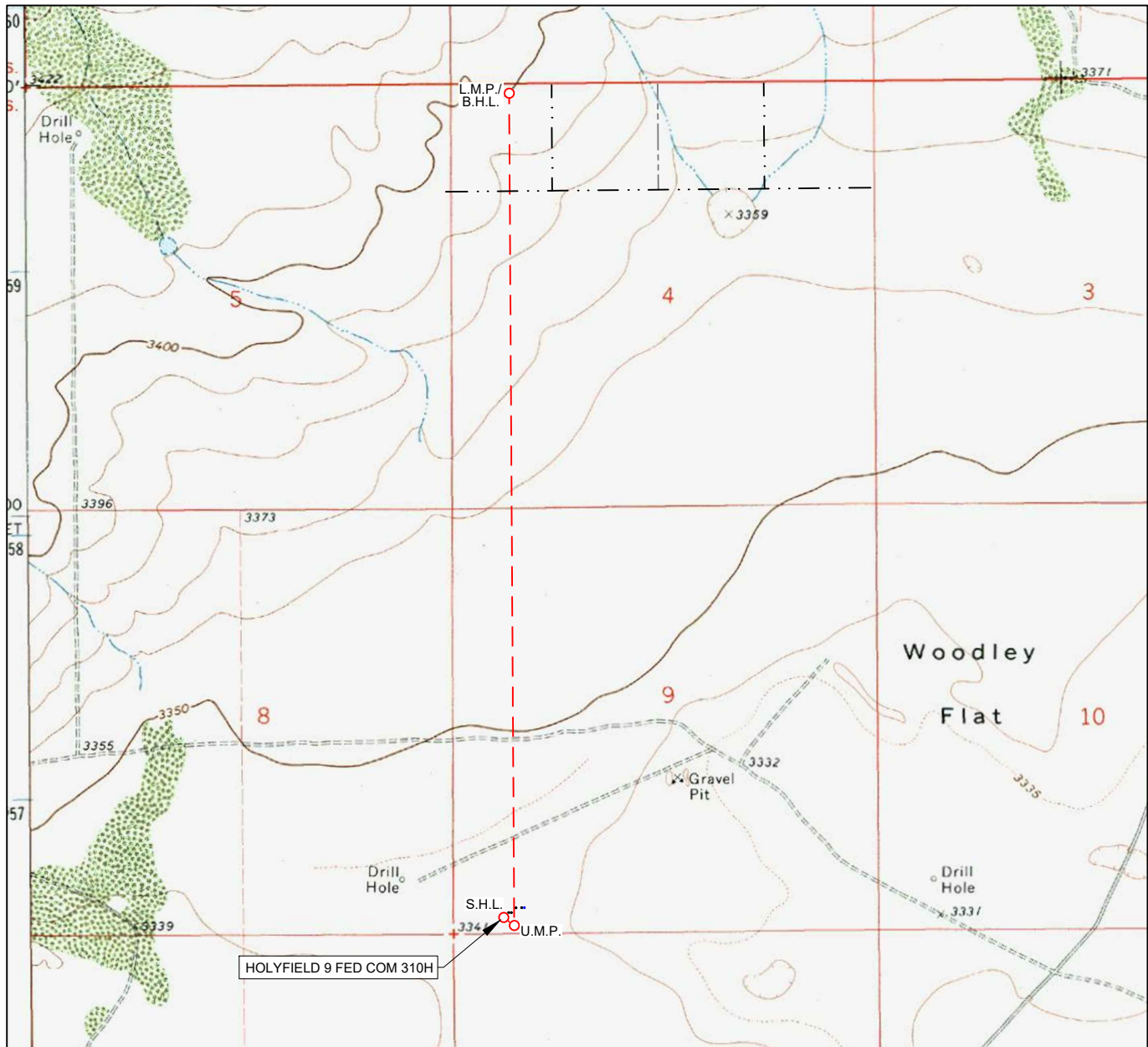
| UL or lot no. | Section  | Township    | Range       | Lot Idn  | Feet from the | North/South line | Feet from the | East/West line | County     |
|---------------|----------|-------------|-------------|----------|---------------|------------------|---------------|----------------|------------|
| <b>4</b>      | <b>4</b> | <b>25-S</b> | <b>34-E</b> | <b>-</b> | <b>100'</b>   | <b>NORTH</b>     | <b>792'</b>   | <b>WEST</b>    | <b>LEA</b> |

|                                                |                               |                                  |                         |
|------------------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br><b>639.96</b> | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> 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.



## LOCATION &amp; ELEVATION VERIFICATION MAP

LEASE NAME & WELL NO.: HOLYFIELD 9 FED COM 310HSECTION 9 TWP 25-S RGE 34-E SURVEY N.M.P.M.  
COUNTY LEA STATE NM ELEVATION 3343'  
DESCRIPTION 200' FSL & 662' FWLLATITUDE N 32.1383054 LONGITUDE W 103.4813104SCALE: 1" = 2000'  
0' 1000' 2000'

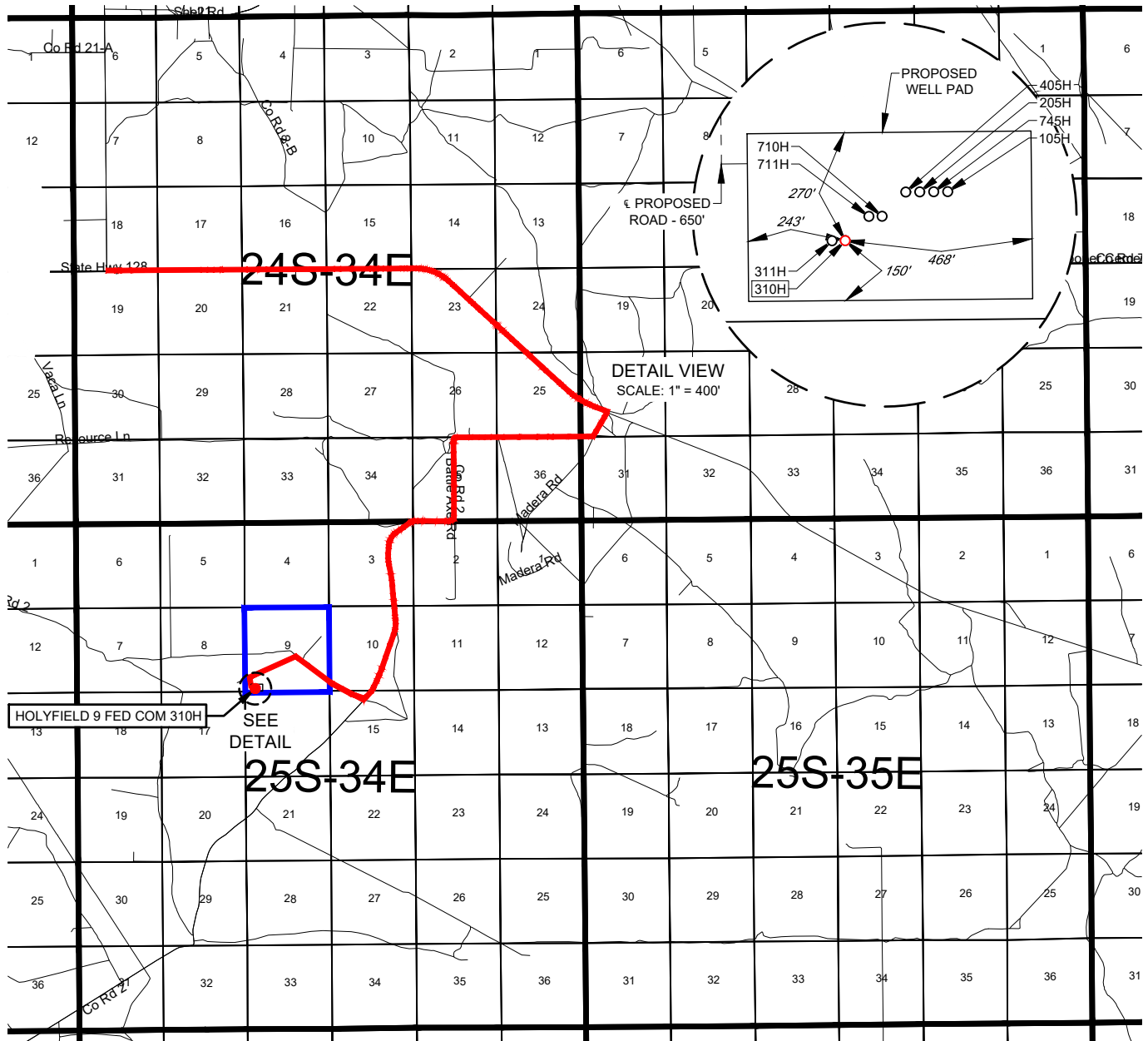
THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.



**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140  
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554  
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705  
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743  
WWW.TOPOGRAPHIC.COM

EXHIBIT 2  
VICINITY MAPLEASE NAME & WELL NO.: HOLYFIELD 9 FED COM 310HSECTION 9 TWP 25-S RGE 34-E SURVEY N.M.P.M.COUNTY LEA STATE NMDESCRIPTION 200' FSL & 662' FWL

## DISTANCE &amp; DIRECTION

FROM INT. OF DELAWARE BASIN RD. & NM-128 E. GO EAST ON NM-128 E  $\pm 6.5$  MILES, THENCE SOUTHWEST (RIGHT) ON BATTLE AXE RD.  $\pm 5.8$  MILES, THENCE NORTHWEST (RIGHT) ON A LEASE RD.  $\pm 1.0$  MILES, THENCE SOUTHWEST (LEFT) ON A LEASE RD.  $\pm 0.6$  MILES, THENCE SOUTHEAST (LEFT) ON A PROPOSED RD.  $\pm 650$  FEET TO A POINT  $\pm 312$  FEET NORTHWEST OF THE LOCATION.

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.



SCALE: 1" = 10000'

0' 5000' 10000'

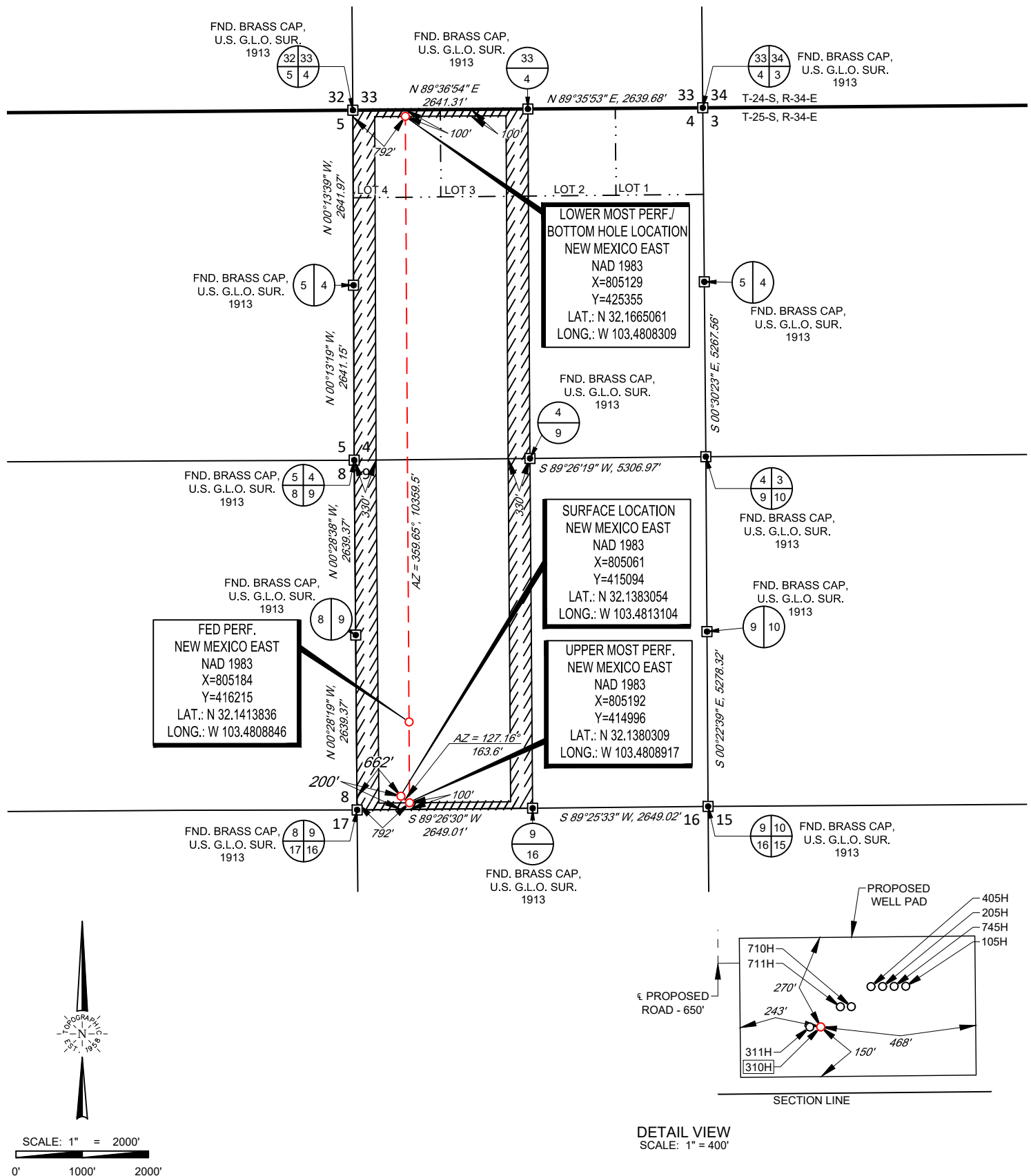


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## EXHIBIT 2A

SECTION 9, TOWNSHIP 25-S, RANGE 34-E, N.M.P.M.  
LEA COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: HOLYFIELD 9 FED COM 310H

SECTION 9 TWP 25-S RGE 34-E SURVEY N.M.P.M.

COUNTY \_\_\_\_\_ LEA \_\_\_\_\_ STATE \_\_\_\_\_ NM

DESCRIPTION 200' FSL & 662' FWL

### DISTANCE & DIRECTION

FROM INT. OF DELAWARE BASIN RD., & NM-128 E. GO EAST ON NM-128 E. ±6.5 MILES. THENCE SOUTHWEST (RIGHT) ON BATTLE AXE RD. ±5.8 MILES. THENCE NORTHWEST (RIGHT) ON A LEASE RD. ±1.0 MILES, THENCE SOUTHWEST (LEFT) ON A LEASE RD. ±0.6 MILES, THENCE SOUTHEAST (LEFT) ON A PROPOSED RD. ±650 FEET TO A POINT ±312 FEET NORTHWEST OF THE LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID  
BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY  
FEET

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.



RAMON A. DOMINGUEZ, P.S. No. 24508  
OCTOBER 29, 2020



**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140  
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554  
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705  
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743  
[WWW.TOPOGRAPHIC.COM](http://WWW.TOPOGRAPHIC.COM)

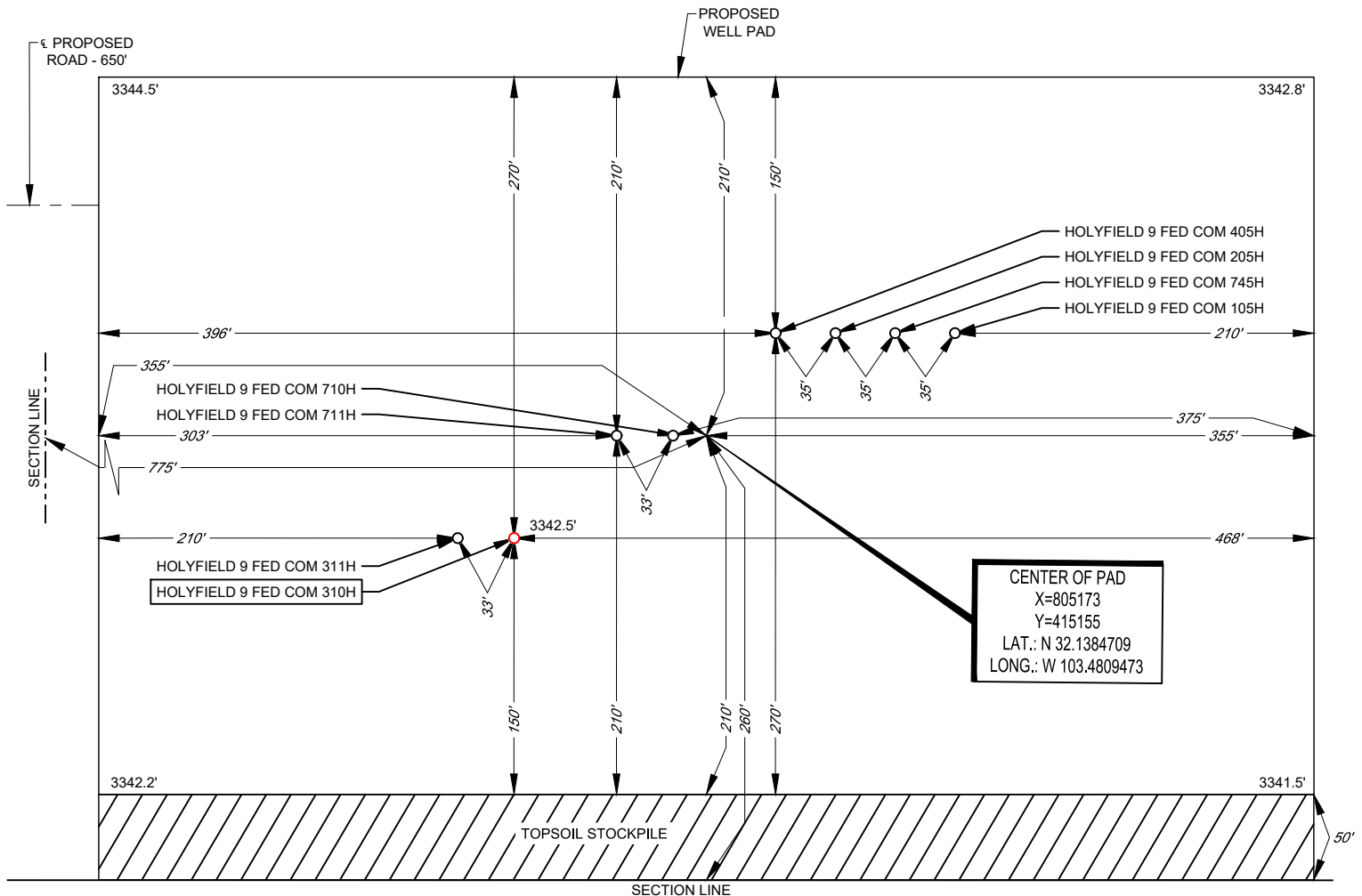


## LEGEND

--- SECTION LINE  
 --- PROPOSED ROAD

SECTION 9, TOWNSHIP 25-S, RANGE 34-E, N.M.P.M.  
 LEA COUNTY, NEW MEXICO

DETAIL VIEW  
 SCALE: 1" = 100'



LEASE NAME & WELL NO.: HOLYFIELD 9 FED COM 310H  
 310H LATITUDE N 32.1383054 310H LONGITUDE W 103.4813104

CENTER OF PAD IS 260' FSL & 775' FWL



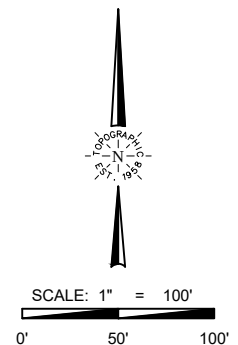
Ramon A. Dominguez, P.S. No. 24508

October 26, 2020

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. ELEVATIONS USED ARE NAVD88, OBTAINED THROUGH AN OPUS SOLUTION.

THIS PROPOSED PAD SITE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. ONLY THE DATA SHOWN ABOVE IS BEING CERTIFIED TO. ALL OTHER INFORMATION WAS INTENTIONALLY OMITTED. THIS PLAT IS ONLY INTENDED TO BE USED FOR A PERMIT AND IS NOT A BOUNDARY SURVEY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ORIGINAL DOCUMENT SIZE: 8.5" X 11"



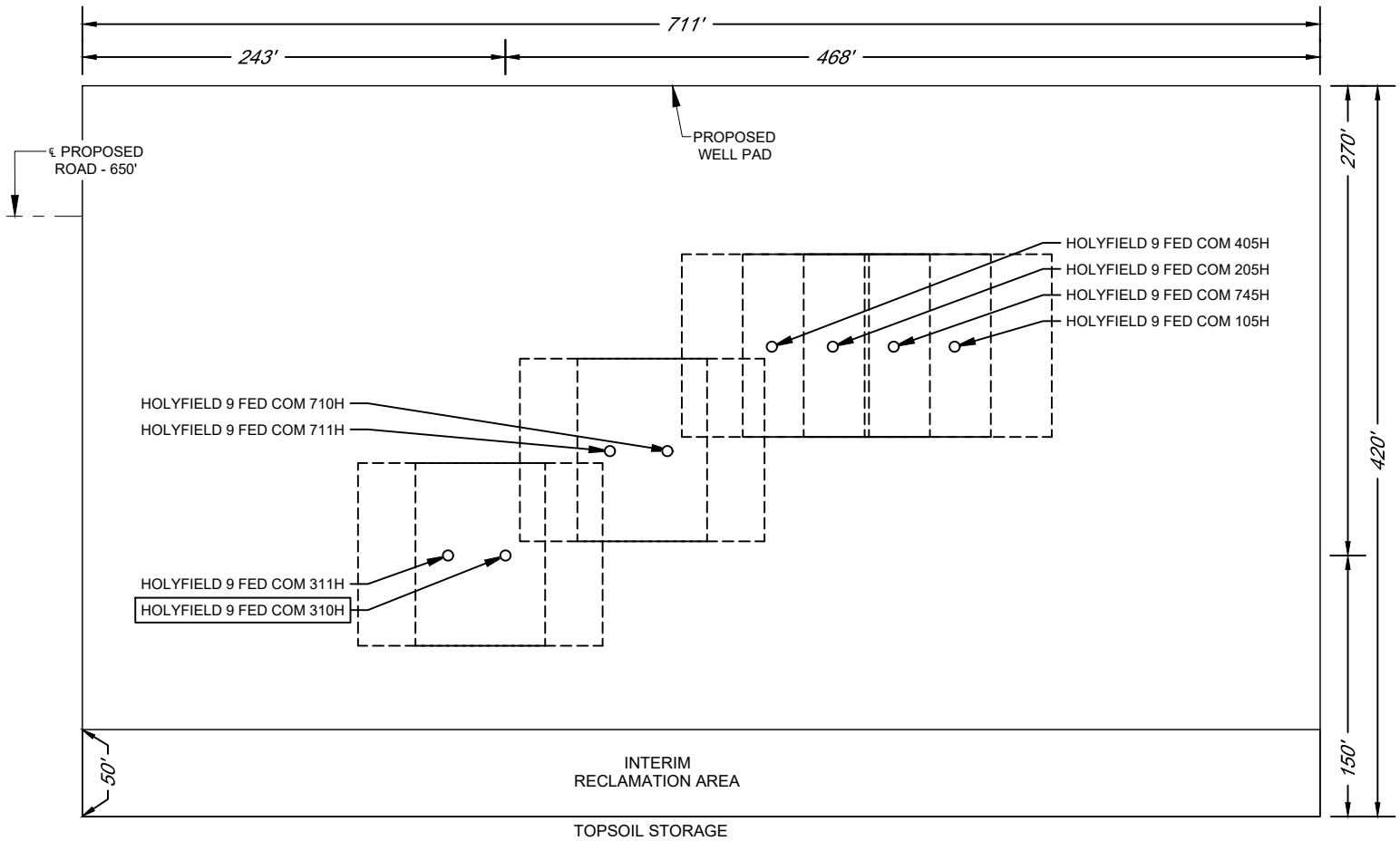
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140  
 TELEPHONE: (817) 744-7512 • FAX (817) 744-7554  
 2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705  
 TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743  
 WWW.TOPOGRAPHIC.COM

# EXHIBIT 2C

## RECLAMATION AND FACILITY DIAGRAM - PRODUCTION FACILITIES DIAGRAM

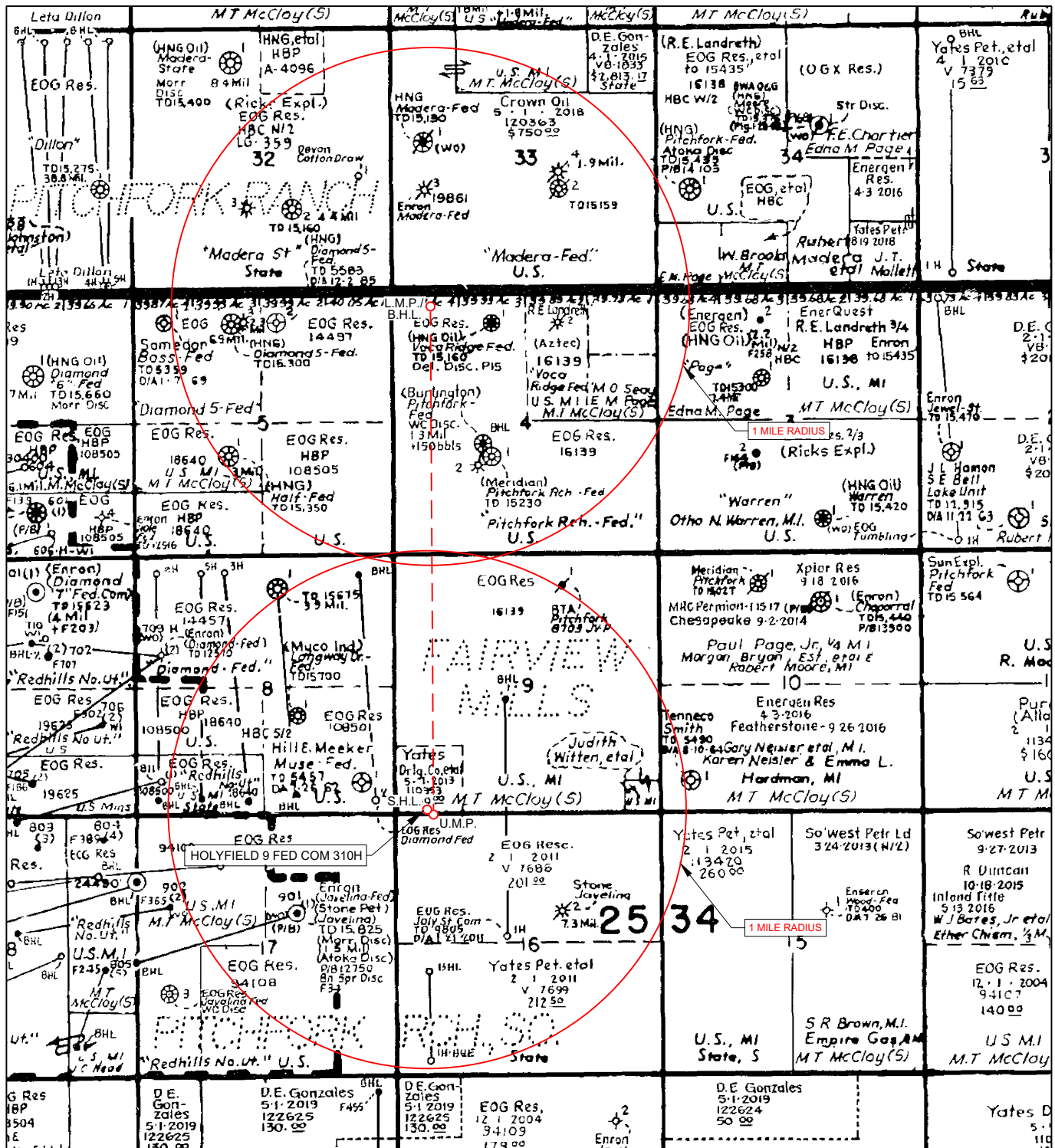
SECTION 9, TOWNSHIP 25-S, RANGE 34-E, N.M.P.M.  
LEA COUNTY, NEW MEXICO

DETAIL VIEW  
SCALE: 1" = 100'



LEASE NAME & WELL NO.: HOLYFIELD 9 FED COM 310H  
310H LATITUDE N 32.1383054 310H LONGITUDE W 103.4813104

## EXHIBIT 3

SECTION 9, TOWNSHIP 25-S, RANGE 34-E, N.M.P.M.  
LEA COUNTY, NEW MEXICO

LEASE NAME &amp; WELL NO.: HOLYFIELD 9 FED COM 310H

SCALE: NTS

310H LATITUDE N 32.1383054

310H LONGITUDE W 103.4813104

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.



1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140  
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554  
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705  
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743  
WWW.TOPOGRAPHIC.COM

**Revised Permit Information 12/4/2020:**

Well Name: Holyfield 9 Fed Com #310H

Location:

SHL: 200' FSL &amp; 662' FWL, Section 9, T-25-S, R-34-E, Lea Co., N.M.

BHL: 100' FNL &amp; 792' FWL, Section 4, T-25-S, R-34-E, Lea Co., N.M.

**Casing Program:**

| Hole Size | Interval          | Csg OD  | Weight | Grade   | Conn | DF <sub>min</sub> Collapse | DF <sub>min</sub> Burst | DF <sub>min</sub> Tension |
|-----------|-------------------|---------|--------|---------|------|----------------------------|-------------------------|---------------------------|
| 17.5"     | 0' – 1,120'       | 13.375" | 54.5#  | J-55    | STC  | 1.125                      | 1.25                    | 1.60                      |
| 12.25"    | 0' – 4,000'       | 9.625"  | 40#    | J-55    | LTC  | 1.125                      | 1.25                    | 1.60                      |
| 12.25"    | 4,000' – 5,170'   | 9.625"  | 40#    | HCK-55  | LTC  | 1.125                      | 1.25                    | 1.60                      |
| 8.75"     | 0' – 10,682'      | 5.5"    | 17#    | HCP-110 | LTC  | 1.125                      | 1.25                    | 1.60                      |
| 8.5"      | 10,682' – 20,614' | 5.5"    | 17#    | HCP-110 | LTC  | 1.125                      | 1.25                    | 1.60                      |

Variance is requested to waive the centralizer requirements for the 9-5/8" casing in the 12-1/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 12-1/4" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to waive any centralizer requirements for the 5-1/2" casing in the 8-3/4" and 8-1/2" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 8-3/4" and 8-1/2" hole interval to maximize cement bond and zonal isolation.

**Cementing Program:**

| Depth   | No. Sacks | Wt. ppg | Yld Ft <sup>3</sup> /sk | Slurry Description                                                                               |
|---------|-----------|---------|-------------------------|--------------------------------------------------------------------------------------------------|
| 1,120'  | 490       | 13.5    | 1.73                    | Lead: Class C + 4.0% Bentonite + 0.5% CaCl <sub>2</sub> + 0.25 lb/sk Cello-Flake (TOC @ Surface) |
|         | 160       | 14.8    | 1.34                    | Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 1,040')    |
| 5,170'  | 750       | 9.0     | 3.5                     | Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface)                           |
|         | 330       | 14.4    | 1.20                    | Tail: Class C + 10% NaCl + 3% MagOx (TOC @ 3,890')                                               |
| 20,614' | 530       | 11.0    | 3.21                    | Lead: Class C + 3% CaCl <sub>2</sub> + 3% Microbond (TOC @ 4,365')                               |
|         | 2,590     | 14.4    | 1.2                     | Tail: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 9,932')                      |

| <b>Additive</b>     | <b>Purpose</b>                          |
|---------------------|-----------------------------------------|
| Bentonite Gel       | Lightweight/Lost circulation prevention |
| Calcium Chloride    | Accelerator                             |
| Cello-flake         | Lost circulation prevention             |
| Sodium Metasilicate | Accelerator                             |
| MagOx               | Expansive agent                         |
| Sodium Chloride     | Accelerator                             |
| FL-62               | Fluid loss control                      |
| Halad-344           | Fluid loss control                      |
| Halad-9             | Fluid loss control                      |
| HR-601              | Retarder                                |
| Microbond           | Expansive Agent                         |

Note: Cement volumes based on bit size plus at least 25% excess in the open hole plus 10% excess in the cased-hole overlap section.

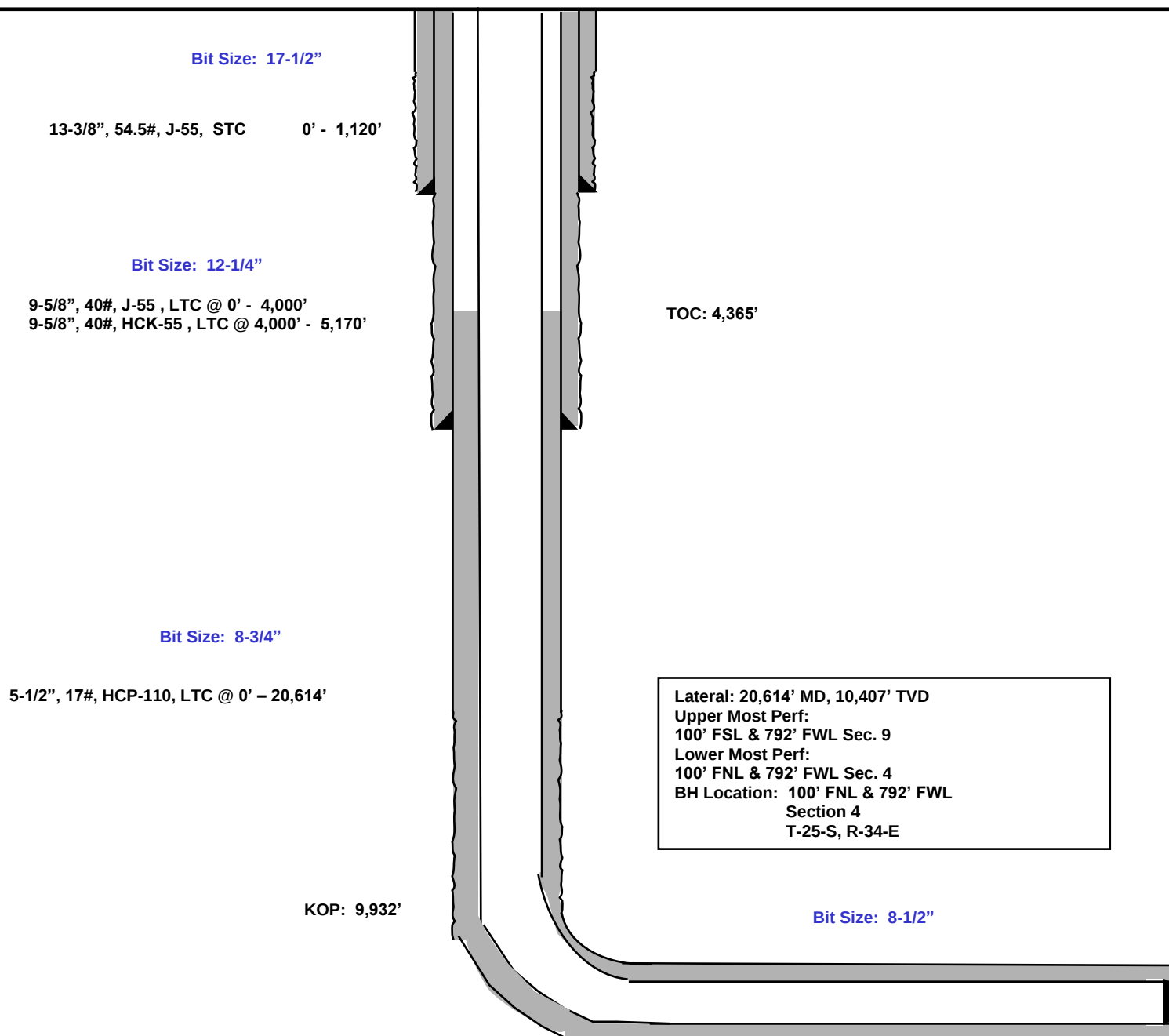
| <b>Depth</b>     | <b>Type</b> | <b>Weight (ppg)</b> | <b>Viscosity</b> | <b>Water Loss</b> |
|------------------|-------------|---------------------|------------------|-------------------|
| 0 – 1,120'       | Fresh - Gel | 8.6-8.8             | 28-34            | N/c               |
| 1,120' – 5,170'  | Brine       | 8.6-8.8             | 28-34            | N/c               |
| 5,170' – 20,614' | Oil Base    | 8.8-9.5             | 58-68            | N/c - 6           |

200' FSL  
662' FWL  
Section 9  
T-25-S, R-34-E

Proposed Wellbore  
Revised 12/4/2020

KB: 3,368'  
GL: 3,343'

API: 30-025-47703





## **EOG Resources - Midland**

Lea County, NM (NAD 83 NME)

Holyfield 9 Fed Com

#310H

OH

Plan: Plan #0.1 RT

## **Standard Planning Report**

04 December, 2020

## EOG Resources

## Planning Report



|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | EDM                         | <b>Local Co-ordinate Reference:</b> | Well #310H            |
| <b>Company:</b>  | EOG Resources - Midland     | <b>TVD Reference:</b>               | kb = 25' @ 3366.0usft |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>MD Reference:</b>                | kb = 25' @ 3366.0usft |
| <b>Site:</b>     | Holyfield 9 Fed Com         | <b>North Reference:</b>             | Grid                  |
| <b>Well:</b>     | #310H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | OH                          |                                     |                       |
| <b>Design:</b>   | Plan #0.1 RT                |                                     |                       |

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

| Site                  | Holyfield 9 Fed Com |           |                 |            |                   |        |
|-----------------------|---------------------|-----------|-----------------|------------|-------------------|--------|
| Site Position:        |                     | Northing: | 415,094.00 usft | Latitude:  | 32° 8' 17.896 N   |        |
| From:                 | Map                 | Easting:  | 805,061.00 usft | Longitude: | 103° 28' 52.723 W |        |
| Position Uncertainty: |                     | 0.0 usft  | Slot Radius:    | 13-3/16 "  | Grid Convergence: | 0.45 ° |

|                      |       |          |                     |                 |               |                   |
|----------------------|-------|----------|---------------------|-----------------|---------------|-------------------|
| Well                 | #310H |          |                     |                 |               |                   |
| Well Position        | +N/-S | 0.0 usft | Northing:           | 415,094.00 usft | Latitude:     | 32° 8' 17.896 N   |
|                      | +E/-W | 0.0 usft | Easting:            | 805,061.00 usft | Longitude:    | 103° 28' 52.723 W |
| Position Uncertainty |       | 0.0 usft | Wellhead Elevation: |                 | Ground Level: | 3,343.0 usft      |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | OH                |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2020          | 12/4/2020          | 6.56                   | 59.85                | 47,507.93578968            |

|                          |                                |                     |                      |                      |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| <b>Design</b>            | Plan #0.1 RT                   |                     |                      |                      |
| <b>Audit Notes:</b>      |                                |                     |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                  | PLAN                | <b>Tie On Depth:</b> | 0.0                  |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b>  | <b>Direction (°)</b> |
|                          | 0.0                            | 0.0                 | 0.0                  | 0.38                 |

|                                 |                        |                            |                  |                |
|---------------------------------|------------------------|----------------------------|------------------|----------------|
| <b>Plan Survey Tool Program</b> | <b>Date</b>            | 12/4/2020                  |                  |                |
| <b>Depth From (usft)</b>        | <b>Depth To (usft)</b> | <b>Survey (Wellbore)</b>   | <b>Tool Name</b> | <b>Remarks</b> |
| 1                               | 0.0                    | 20,613.5 Plan #0.1 RT (OH) | EOG MWD+IFR1     |                |
|                                 |                        |                            | MWD + IFR1       |                |

## EOG Resources

## Planning Report



|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | EDM                         | <b>Local Co-ordinate Reference:</b> | Well #310H            |
| <b>Company:</b>  | EOG Resources - Midland     | <b>TVD Reference:</b>               | kb = 25' @ 3366.0usft |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>MD Reference:</b>                | kb = 25' @ 3366.0usft |
| <b>Site:</b>     | Holyfield 9 Fed Com         | <b>North Reference:</b>             | Grid                  |
| <b>Well:</b>     | #310H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | OH                          |                                     |                       |
| <b>Design:</b>   | Plan #0.1 RT                |                                     |                       |

| Plan Sections         |                 |             |                       |              |              |                         |                        |                       |         |                        |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|------------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target                 |
| 0.0                   | 0.00            | 0.00        | 0.0                   | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |                        |
| 1,200.0               | 0.00            | 0.00        | 1,200.0               | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |                        |
| 1,265.3               | 1.31            | 138.49      | 1,265.3               | -0.6         | 0.5          | 2.00                    | 2.00                   | 0.00                  | 138.49  |                        |
| 9,866.4               | 1.31            | 138.49      | 9,864.2               | -147.4       | 130.5        | 0.00                    | 0.00                   | 0.00                  | 0.00    |                        |
| 9,931.7               | 0.00            | 0.00        | 9,929.5               | -148.0       | 131.0        | 2.00                    | -2.00                  | 0.00                  | 180.00  | KOP(Holyfield 9 Fed C  |
| 10,152.2              | 26.46           | 0.00        | 10,142.2              | -98.0        | 131.0        | 12.00                   | 12.00                  | 0.00                  | 0.00    | FTP(Holyfield 9 Fed C  |
| 10,681.7              | 90.00           | 359.58      | 10,406.9              | 329.4        | 128.8        | 12.00                   | 12.00                  | -0.08                 | -0.47   |                        |
| 11,473.3              | 90.00           | 359.58      | 10,407.0              | 1,121.0      | 123.0        | 0.00                    | 0.00                   | 0.00                  | 0.00    | Fed Perf 1(Holyfield 9 |
| 11,477.1              | 90.00           | 359.66      | 10,407.0              | 1,124.8      | 123.0        | 2.00                    | 0.10                   | 2.00                  | 87.07   |                        |
| 20,613.5              | 90.00           | 359.66      | 10,407.0              | 10,261.0     | 68.0         | 0.00                    | 0.00                   | 0.00                  | 0.00    | PBHL(Holyfield 9 Fed   |



## EOG Resources

## Planning Report

|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | EDM                         | <b>Local Co-ordinate Reference:</b> | Well #310H            |
| <b>Company:</b>  | EOG Resources - Midland     | <b>TVD Reference:</b>               | kb = 25' @ 3366.0usft |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>MD Reference:</b>                | kb = 25' @ 3366.0usft |
| <b>Site:</b>     | Holyfield 9 Fed Com         | <b>North Reference:</b>             | Grid                  |
| <b>Well:</b>     | #310H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | OH                          |                                     |                       |
| <b>Design:</b>   | Plan #0.1 RT                |                                     |                       |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.0                   | 0.00            | 0.00        | 0.0                   | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 100.0                 | 0.00            | 0.00        | 100.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 200.0                 | 0.00            | 0.00        | 200.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 300.0                 | 0.00            | 0.00        | 300.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 400.0                 | 0.00            | 0.00        | 400.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 500.0                 | 0.00            | 0.00        | 500.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 600.0                 | 0.00            | 0.00        | 600.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 700.0                 | 0.00            | 0.00        | 700.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 800.0                 | 0.00            | 0.00        | 800.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 900.0                 | 0.00            | 0.00        | 900.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,000.0               | 0.00            | 0.00        | 1,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,100.0               | 0.00            | 0.00        | 1,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,200.0               | 0.00            | 0.00        | 1,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,265.3               | 1.31            | 138.49      | 1,265.3               | -0.6         | 0.5          | -0.6                    | 2.00                    | 2.00                   | 0.00                  |
| 1,300.0               | 1.31            | 138.49      | 1,300.0               | -1.1         | 1.0          | -1.1                    | 0.00                    | 0.00                   | 0.00                  |
| 1,400.0               | 1.31            | 138.49      | 1,400.0               | -2.9         | 2.5          | -2.8                    | 0.00                    | 0.00                   | 0.00                  |
| 1,500.0               | 1.31            | 138.49      | 1,499.9               | -4.6         | 4.0          | -4.5                    | 0.00                    | 0.00                   | 0.00                  |
| 1,600.0               | 1.31            | 138.49      | 1,599.9               | -6.3         | 5.6          | -6.2                    | 0.00                    | 0.00                   | 0.00                  |
| 1,700.0               | 1.31            | 138.49      | 1,699.9               | -8.0         | 7.1          | -7.9                    | 0.00                    | 0.00                   | 0.00                  |
| 1,800.0               | 1.31            | 138.49      | 1,799.9               | -9.7         | 8.6          | -9.6                    | 0.00                    | 0.00                   | 0.00                  |
| 1,900.0               | 1.31            | 138.49      | 1,899.8               | -11.4        | 10.1         | -11.3                   | 0.00                    | 0.00                   | 0.00                  |
| 2,000.0               | 1.31            | 138.49      | 1,999.8               | -13.1        | 11.6         | -13.0                   | 0.00                    | 0.00                   | 0.00                  |
| 2,100.0               | 1.31            | 138.49      | 2,099.8               | -14.8        | 13.1         | -14.7                   | 0.00                    | 0.00                   | 0.00                  |
| 2,200.0               | 1.31            | 138.49      | 2,199.8               | -16.5        | 14.6         | -16.4                   | 0.00                    | 0.00                   | 0.00                  |
| 2,300.0               | 1.31            | 138.49      | 2,299.7               | -18.2        | 16.1         | -18.1                   | 0.00                    | 0.00                   | 0.00                  |
| 2,400.0               | 1.31            | 138.49      | 2,399.7               | -19.9        | 17.6         | -19.8                   | 0.00                    | 0.00                   | 0.00                  |
| 2,500.0               | 1.31            | 138.49      | 2,499.7               | -21.6        | 19.2         | -21.5                   | 0.00                    | 0.00                   | 0.00                  |
| 2,600.0               | 1.31            | 138.49      | 2,599.6               | -23.4        | 20.7         | -23.2                   | 0.00                    | 0.00                   | 0.00                  |
| 2,700.0               | 1.31            | 138.49      | 2,699.6               | -25.1        | 22.2         | -24.9                   | 0.00                    | 0.00                   | 0.00                  |
| 2,800.0               | 1.31            | 138.49      | 2,799.6               | -26.8        | 23.7         | -26.6                   | 0.00                    | 0.00                   | 0.00                  |
| 2,900.0               | 1.31            | 138.49      | 2,899.6               | -28.5        | 25.2         | -28.3                   | 0.00                    | 0.00                   | 0.00                  |
| 3,000.0               | 1.31            | 138.49      | 2,999.5               | -30.2        | 26.7         | -30.0                   | 0.00                    | 0.00                   | 0.00                  |
| 3,100.0               | 1.31            | 138.49      | 3,099.5               | -31.9        | 28.2         | -31.7                   | 0.00                    | 0.00                   | 0.00                  |
| 3,200.0               | 1.31            | 138.49      | 3,199.5               | -33.6        | 29.7         | -33.4                   | 0.00                    | 0.00                   | 0.00                  |
| 3,300.0               | 1.31            | 138.49      | 3,299.5               | -35.3        | 31.2         | -35.1                   | 0.00                    | 0.00                   | 0.00                  |
| 3,400.0               | 1.31            | 138.49      | 3,399.4               | -37.0        | 32.8         | -36.8                   | 0.00                    | 0.00                   | 0.00                  |
| 3,500.0               | 1.31            | 138.49      | 3,499.4               | -38.7        | 34.3         | -38.5                   | 0.00                    | 0.00                   | 0.00                  |
| 3,600.0               | 1.31            | 138.49      | 3,599.4               | -40.4        | 35.8         | -40.2                   | 0.00                    | 0.00                   | 0.00                  |
| 3,700.0               | 1.31            | 138.49      | 3,699.4               | -42.1        | 37.3         | -41.9                   | 0.00                    | 0.00                   | 0.00                  |
| 3,800.0               | 1.31            | 138.49      | 3,799.3               | -43.8        | 38.8         | -43.6                   | 0.00                    | 0.00                   | 0.00                  |
| 3,900.0               | 1.31            | 138.49      | 3,899.3               | -45.6        | 40.3         | -45.3                   | 0.00                    | 0.00                   | 0.00                  |
| 4,000.0               | 1.31            | 138.49      | 3,999.3               | -47.3        | 41.8         | -47.0                   | 0.00                    | 0.00                   | 0.00                  |
| 4,100.0               | 1.31            | 138.49      | 4,099.3               | -49.0        | 43.3         | -48.7                   | 0.00                    | 0.00                   | 0.00                  |
| 4,200.0               | 1.31            | 138.49      | 4,199.2               | -50.7        | 44.9         | -50.4                   | 0.00                    | 0.00                   | 0.00                  |
| 4,300.0               | 1.31            | 138.49      | 4,299.2               | -52.4        | 46.4         | -52.1                   | 0.00                    | 0.00                   | 0.00                  |
| 4,400.0               | 1.31            | 138.49      | 4,399.2               | -54.1        | 47.9         | -53.8                   | 0.00                    | 0.00                   | 0.00                  |
| 4,500.0               | 1.31            | 138.49      | 4,499.2               | -55.8        | 49.4         | -55.5                   | 0.00                    | 0.00                   | 0.00                  |
| 4,600.0               | 1.31            | 138.49      | 4,599.1               | -57.5        | 50.9         | -57.2                   | 0.00                    | 0.00                   | 0.00                  |
| 4,700.0               | 1.31            | 138.49      | 4,699.1               | -59.2        | 52.4         | -58.9                   | 0.00                    | 0.00                   | 0.00                  |
| 4,800.0               | 1.31            | 138.49      | 4,799.1               | -60.9        | 53.9         | -60.6                   | 0.00                    | 0.00                   | 0.00                  |
| 4,900.0               | 1.31            | 138.49      | 4,899.0               | -62.6        | 55.4         | -62.3                   | 0.00                    | 0.00                   | 0.00                  |
| 5,000.0               | 1.31            | 138.49      | 4,999.0               | -64.3        | 56.9         | -64.0                   | 0.00                    | 0.00                   | 0.00                  |
| 5,100.0               | 1.31            | 138.49      | 5,099.0               | -66.0        | 58.5         | -65.7                   | 0.00                    | 0.00                   | 0.00                  |
| 5,200.0               | 1.31            | 138.49      | 5,199.0               | -67.8        | 60.0         | -67.4                   | 0.00                    | 0.00                   | 0.00                  |

## EOG Resources

## Planning Report



|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | EDM                         | <b>Local Co-ordinate Reference:</b> | Well #310H            |
| <b>Company:</b>  | EOG Resources - Midland     | <b>TVD Reference:</b>               | kb = 25' @ 3366.0usft |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>MD Reference:</b>                | kb = 25' @ 3366.0usft |
| <b>Site:</b>     | Holyfield 9 Fed Com         | <b>North Reference:</b>             | Grid                  |
| <b>Well:</b>     | #310H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | OH                          |                                     |                       |
| <b>Design:</b>   | Plan #0.1 RT                |                                     |                       |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |  |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |  |
| 5,300.0               | 1.31            | 138.49      | 5,298.9               | -69.5        | 61.5         | -69.1                   | 0.00                    | 0.00                   | 0.00                  |  |
| 5,400.0               | 1.31            | 138.49      | 5,398.9               | -71.2        | 63.0         | -70.7                   | 0.00                    | 0.00                   | 0.00                  |  |
| 5,500.0               | 1.31            | 138.49      | 5,498.9               | -72.9        | 64.5         | -72.4                   | 0.00                    | 0.00                   | 0.00                  |  |
| 5,600.0               | 1.31            | 138.49      | 5,598.9               | -74.6        | 66.0         | -74.1                   | 0.00                    | 0.00                   | 0.00                  |  |
| 5,700.0               | 1.31            | 138.49      | 5,698.8               | -76.3        | 67.5         | -75.8                   | 0.00                    | 0.00                   | 0.00                  |  |
| 5,800.0               | 1.31            | 138.49      | 5,798.8               | -78.0        | 69.0         | -77.5                   | 0.00                    | 0.00                   | 0.00                  |  |
| 5,900.0               | 1.31            | 138.49      | 5,898.8               | -79.7        | 70.6         | -79.2                   | 0.00                    | 0.00                   | 0.00                  |  |
| 6,000.0               | 1.31            | 138.49      | 5,998.8               | -81.4        | 72.1         | -80.9                   | 0.00                    | 0.00                   | 0.00                  |  |
| 6,100.0               | 1.31            | 138.49      | 6,098.7               | -83.1        | 73.6         | -82.6                   | 0.00                    | 0.00                   | 0.00                  |  |
| 6,200.0               | 1.31            | 138.49      | 6,198.7               | -84.8        | 75.1         | -84.3                   | 0.00                    | 0.00                   | 0.00                  |  |
| 6,300.0               | 1.31            | 138.49      | 6,298.7               | -86.5        | 76.6         | -86.0                   | 0.00                    | 0.00                   | 0.00                  |  |
| 6,400.0               | 1.31            | 138.49      | 6,398.7               | -88.2        | 78.1         | -87.7                   | 0.00                    | 0.00                   | 0.00                  |  |
| 6,500.0               | 1.31            | 138.49      | 6,498.6               | -90.0        | 79.6         | -89.4                   | 0.00                    | 0.00                   | 0.00                  |  |
| 6,600.0               | 1.31            | 138.49      | 6,598.6               | -91.7        | 81.1         | -91.1                   | 0.00                    | 0.00                   | 0.00                  |  |
| 6,700.0               | 1.31            | 138.49      | 6,698.6               | -93.4        | 82.6         | -92.8                   | 0.00                    | 0.00                   | 0.00                  |  |
| 6,800.0               | 1.31            | 138.49      | 6,798.6               | -95.1        | 84.2         | -94.5                   | 0.00                    | 0.00                   | 0.00                  |  |
| 6,900.0               | 1.31            | 138.49      | 6,898.5               | -96.8        | 85.7         | -96.2                   | 0.00                    | 0.00                   | 0.00                  |  |
| 7,000.0               | 1.31            | 138.49      | 6,998.5               | -98.5        | 87.2         | -97.9                   | 0.00                    | 0.00                   | 0.00                  |  |
| 7,100.0               | 1.31            | 138.49      | 7,098.5               | -100.2       | 88.7         | -99.6                   | 0.00                    | 0.00                   | 0.00                  |  |
| 7,200.0               | 1.31            | 138.49      | 7,198.5               | -101.9       | 90.2         | -101.3                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,300.0               | 1.31            | 138.49      | 7,298.4               | -103.6       | 91.7         | -103.0                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,400.0               | 1.31            | 138.49      | 7,398.4               | -105.3       | 93.2         | -104.7                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,500.0               | 1.31            | 138.49      | 7,498.4               | -107.0       | 94.7         | -106.4                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,600.0               | 1.31            | 138.49      | 7,598.3               | -108.7       | 96.2         | -108.1                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,700.0               | 1.31            | 138.49      | 7,698.3               | -110.4       | 97.8         | -109.8                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,800.0               | 1.31            | 138.49      | 7,798.3               | -112.2       | 99.3         | -111.5                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,900.0               | 1.31            | 138.49      | 7,898.3               | -113.9       | 100.8        | -113.2                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,000.0               | 1.31            | 138.49      | 7,998.2               | -115.6       | 102.3        | -114.9                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,100.0               | 1.31            | 138.49      | 8,098.2               | -117.3       | 103.8        | -116.6                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,200.0               | 1.31            | 138.49      | 8,198.2               | -119.0       | 105.3        | -118.3                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,300.0               | 1.31            | 138.49      | 8,298.2               | -120.7       | 106.8        | -120.0                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,400.0               | 1.31            | 138.49      | 8,398.1               | -122.4       | 108.3        | -121.7                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,500.0               | 1.31            | 138.49      | 8,498.1               | -124.1       | 109.9        | -123.4                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,600.0               | 1.31            | 138.49      | 8,598.1               | -125.8       | 111.4        | -125.1                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,700.0               | 1.31            | 138.49      | 8,698.1               | -127.5       | 112.9        | -126.8                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,800.0               | 1.31            | 138.49      | 8,798.0               | -129.2       | 114.4        | -128.5                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,900.0               | 1.31            | 138.49      | 8,898.0               | -130.9       | 115.9        | -130.2                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,000.0               | 1.31            | 138.49      | 8,998.0               | -132.6       | 117.4        | -131.9                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,100.0               | 1.31            | 138.49      | 9,098.0               | -134.4       | 118.9        | -133.6                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,200.0               | 1.31            | 138.49      | 9,197.9               | -136.1       | 120.4        | -135.3                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,300.0               | 1.31            | 138.49      | 9,297.9               | -137.8       | 121.9        | -137.0                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,400.0               | 1.31            | 138.49      | 9,397.9               | -139.5       | 123.5        | -138.7                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,500.0               | 1.31            | 138.49      | 9,497.9               | -141.2       | 125.0        | -140.4                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,600.0               | 1.31            | 138.49      | 9,597.8               | -142.9       | 126.5        | -142.1                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,700.0               | 1.31            | 138.49      | 9,697.8               | -144.6       | 128.0        | -143.7                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,800.0               | 1.31            | 138.49      | 9,797.8               | -146.3       | 129.5        | -145.4                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,866.4               | 1.31            | 138.49      | 9,864.2               | -147.4       | 130.5        | -146.6                  | 0.00                    | 0.00                   | 0.00                  |  |
| 9,900.0               | 0.63            | 138.49      | 9,897.8               | -147.9       | 130.9        | -147.0                  | 2.00                    | -2.00                  | 0.00                  |  |
| 9,931.7               | 0.00            | 0.00        | 9,929.5               | -148.0       | 131.0        | -147.1                  | 2.00                    | -2.00                  | 0.00                  |  |
| 9,950.0               | 2.19            | 0.00        | 9,947.7               | -147.7       | 131.0        | -146.8                  | 12.00                   | 12.00                  | 0.00                  |  |
| 9,975.0               | 5.19            | 0.00        | 9,972.7               | -146.0       | 131.0        | -145.2                  | 12.00                   | 12.00                  | 0.00                  |  |
| 10,000.0              | 8.19            | 0.00        | 9,997.5               | -143.1       | 131.0        | -142.3                  | 12.00                   | 12.00                  | 0.00                  |  |
| 10,025.0              | 11.19           | 0.00        | 10,022.2              | -138.9       | 131.0        | -138.1                  | 12.00                   | 12.00                  | 0.00                  |  |
| 10,050.0              | 14.19           | 0.00        | 10,046.5              | -133.4       | 131.0        | -132.6                  | 12.00                   | 12.00                  | 0.00                  |  |

## EOG Resources

## Planning Report



|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | EDM                         | <b>Local Co-ordinate Reference:</b> | Well #310H            |
| <b>Company:</b>  | EOG Resources - Midland     | <b>TVD Reference:</b>               | kb = 25' @ 3366.0usft |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>MD Reference:</b>                | kb = 25' @ 3366.0usft |
| <b>Site:</b>     | Holyfield 9 Fed Com         | <b>North Reference:</b>             | Grid                  |
| <b>Well:</b>     | #310H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | OH                          |                                     |                       |
| <b>Design:</b>   | Plan #0.1 RT                |                                     |                       |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |  |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |  |
| 10,075.0              | 17.19           | 0.00        | 10,070.6              | -126.7       | 131.0        | -125.8                  | 12.00                   | 12.00                  | 0.00                  |  |
| 10,100.0              | 20.19           | 0.00        | 10,094.3              | -118.7       | 131.0        | -117.8                  | 12.00                   | 12.00                  | 0.00                  |  |
| 10,125.0              | 23.19           | 0.00        | 10,117.5              | -109.4       | 131.0        | -108.5                  | 12.00                   | 12.00                  | 0.00                  |  |
| 10,152.2              | 26.46           | 0.00        | 10,142.2              | -98.0        | 131.0        | -97.1                   | 12.00                   | 12.00                  | 0.00                  |  |
| 10,175.0              | 29.19           | 359.95      | 10,162.4              | -87.4        | 131.0        | -86.5                   | 12.00                   | 12.00                  | -0.20                 |  |
| 10,200.0              | 32.19           | 359.91      | 10,183.9              | -74.6        | 131.0        | -73.7                   | 12.00                   | 12.00                  | -0.17                 |  |
| 10,225.0              | 35.19           | 359.88      | 10,204.7              | -60.7        | 131.0        | -59.9                   | 12.00                   | 12.00                  | -0.14                 |  |
| 10,250.0              | 38.19           | 359.85      | 10,224.7              | -45.8        | 130.9        | -44.9                   | 12.00                   | 12.00                  | -0.12                 |  |
| 10,275.0              | 41.19           | 359.82      | 10,243.9              | -29.8        | 130.9        | -29.0                   | 12.00                   | 12.00                  | -0.11                 |  |
| 10,300.0              | 44.19           | 359.79      | 10,262.3              | -12.9        | 130.8        | -12.0                   | 12.00                   | 12.00                  | -0.10                 |  |
| 10,325.0              | 47.19           | 359.77      | 10,279.8              | 5.0          | 130.7        | 5.9                     | 12.00                   | 12.00                  | -0.09                 |  |
| 10,350.0              | 50.19           | 359.75      | 10,296.3              | 23.8         | 130.7        | 24.6                    | 12.00                   | 12.00                  | -0.08                 |  |
| 10,375.0              | 53.19           | 359.74      | 10,311.8              | 43.4         | 130.6        | 44.3                    | 12.00                   | 12.00                  | -0.07                 |  |
| 10,400.0              | 56.19           | 359.72      | 10,326.2              | 63.8         | 130.5        | 64.7                    | 12.00                   | 12.00                  | -0.07                 |  |
| 10,425.0              | 59.19           | 359.70      | 10,339.6              | 84.9         | 130.4        | 85.8                    | 12.00                   | 12.00                  | -0.06                 |  |
| 10,450.0              | 62.19           | 359.69      | 10,351.8              | 106.7        | 130.3        | 107.6                   | 12.00                   | 12.00                  | -0.06                 |  |
| 10,475.0              | 65.19           | 359.68      | 10,362.9              | 129.1        | 130.1        | 130.0                   | 12.00                   | 12.00                  | -0.05                 |  |
| 10,500.0              | 68.19           | 359.66      | 10,372.8              | 152.1        | 130.0        | 152.9                   | 12.00                   | 12.00                  | -0.05                 |  |
| 10,525.0              | 71.19           | 359.65      | 10,381.5              | 175.5        | 129.9        | 176.4                   | 12.00                   | 12.00                  | -0.05                 |  |
| 10,550.0              | 74.19           | 359.64      | 10,388.9              | 199.4        | 129.7        | 200.3                   | 12.00                   | 12.00                  | -0.05                 |  |
| 10,575.0              | 77.19           | 359.63      | 10,395.1              | 223.6        | 129.6        | 224.5                   | 12.00                   | 12.00                  | -0.05                 |  |
| 10,600.0              | 80.19           | 359.61      | 10,400.0              | 248.1        | 129.4        | 249.0                   | 12.00                   | 12.00                  | -0.05                 |  |
| 10,625.0              | 83.19           | 359.60      | 10,403.6              | 272.9        | 129.2        | 273.7                   | 12.00                   | 12.00                  | -0.04                 |  |
| 10,650.0              | 86.19           | 359.59      | 10,405.9              | 297.8        | 129.1        | 298.6                   | 12.00                   | 12.00                  | -0.04                 |  |
| 10,675.0              | 89.19           | 359.58      | 10,406.9              | 322.7        | 128.9        | 323.6                   | 12.00                   | 12.00                  | -0.04                 |  |
| 10,681.7              | 90.00           | 359.58      | 10,406.9              | 329.4        | 128.8        | 330.3                   | 12.00                   | 12.00                  | -0.04                 |  |
| 10,700.0              | 90.00           | 359.58      | 10,406.9              | 347.7        | 128.7        | 348.6                   | 0.00                    | 0.00                   | 0.00                  |  |
| 10,800.0              | 90.00           | 359.58      | 10,407.0              | 447.7        | 128.0        | 448.6                   | 0.00                    | 0.00                   | 0.00                  |  |
| 10,900.0              | 90.00           | 359.58      | 10,407.0              | 547.7        | 127.2        | 548.6                   | 0.00                    | 0.00                   | 0.00                  |  |
| 11,000.0              | 90.00           | 359.58      | 10,407.0              | 647.7        | 126.5        | 648.5                   | 0.00                    | 0.00                   | 0.00                  |  |
| 11,100.0              | 90.00           | 359.58      | 10,407.0              | 747.7        | 125.7        | 748.5                   | 0.00                    | 0.00                   | 0.00                  |  |
| 11,200.0              | 90.00           | 359.58      | 10,407.0              | 847.7        | 125.0        | 848.5                   | 0.00                    | 0.00                   | 0.00                  |  |
| 11,300.0              | 90.00           | 359.58      | 10,407.0              | 947.7        | 124.3        | 948.5                   | 0.00                    | 0.00                   | 0.00                  |  |
| 11,400.0              | 90.00           | 359.58      | 10,407.0              | 1,047.7      | 123.5        | 1,048.5                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,473.3              | 90.00           | 359.58      | 10,407.0              | 1,121.0      | 123.0        | 1,121.8                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,477.1              | 90.00           | 359.66      | 10,407.0              | 1,124.8      | 123.0        | 1,125.6                 | 2.00                    | 0.10                   | 2.00                  |  |
| 11,500.0              | 90.00           | 359.66      | 10,407.0              | 1,147.7      | 122.8        | 1,148.5                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,600.0              | 90.00           | 359.66      | 10,407.0              | 1,247.7      | 122.2        | 1,248.5                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,700.0              | 90.00           | 359.66      | 10,407.0              | 1,347.7      | 121.6        | 1,348.5                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,800.0              | 90.00           | 359.66      | 10,407.0              | 1,447.7      | 121.0        | 1,448.5                 | 0.00                    | 0.00                   | 0.00                  |  |
| 11,900.0              | 90.00           | 359.66      | 10,407.0              | 1,547.7      | 120.4        | 1,548.5                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,000.0              | 90.00           | 359.66      | 10,407.0              | 1,647.7      | 119.8        | 1,648.5                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,100.0              | 90.00           | 359.66      | 10,407.0              | 1,747.7      | 119.2        | 1,748.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,200.0              | 90.00           | 359.66      | 10,407.0              | 1,847.7      | 118.6        | 1,848.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,300.0              | 90.00           | 359.66      | 10,407.0              | 1,947.7      | 118.0        | 1,948.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,400.0              | 90.00           | 359.66      | 10,407.0              | 2,047.7      | 117.4        | 2,048.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,500.0              | 90.00           | 359.66      | 10,407.0              | 2,147.7      | 116.8        | 2,148.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,600.0              | 90.00           | 359.66      | 10,407.0              | 2,247.7      | 116.2        | 2,248.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,700.0              | 90.00           | 359.66      | 10,407.0              | 2,347.7      | 115.6        | 2,348.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,800.0              | 90.00           | 359.66      | 10,407.0              | 2,447.7      | 115.0        | 2,448.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 12,900.0              | 90.00           | 359.66      | 10,407.0              | 2,547.7      | 114.4        | 2,548.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,000.0              | 90.00           | 359.66      | 10,407.0              | 2,647.7      | 113.8        | 2,648.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,100.0              | 90.00           | 359.66      | 10,407.0              | 2,747.7      | 113.2        | 2,748.4                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,200.0              | 90.00           | 359.66      | 10,407.0              | 2,847.7      | 112.6        | 2,848.4                 | 0.00                    | 0.00                   | 0.00                  |  |



## EOG Resources

## Planning Report

|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | EDM                         | <b>Local Co-ordinate Reference:</b> | Well #310H            |
| <b>Company:</b>  | EOG Resources - Midland     | <b>TVD Reference:</b>               | kb = 25' @ 3366.0usft |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>MD Reference:</b>                | kb = 25' @ 3366.0usft |
| <b>Site:</b>     | Holyfield 9 Fed Com         | <b>North Reference:</b>             | Grid                  |
| <b>Well:</b>     | #310H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | OH                          |                                     |                       |
| <b>Design:</b>   | Plan #0.1 RT                |                                     |                       |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |  |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |  |
| 13,300.0              | 90.00           | 359.66      | 10,407.0              | 2,947.7      | 112.0        | 2,948.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,400.0              | 90.00           | 359.66      | 10,407.0              | 3,047.7      | 111.4        | 3,048.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,500.0              | 90.00           | 359.66      | 10,407.0              | 3,147.7      | 110.8        | 3,148.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,600.0              | 90.00           | 359.66      | 10,407.0              | 3,247.7      | 110.2        | 3,248.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,700.0              | 90.00           | 359.66      | 10,407.0              | 3,347.7      | 109.6        | 3,348.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,800.0              | 90.00           | 359.66      | 10,407.0              | 3,447.7      | 109.0        | 3,448.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 13,900.0              | 90.00           | 359.66      | 10,407.0              | 3,547.7      | 108.4        | 3,548.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 14,000.0              | 90.00           | 359.66      | 10,407.0              | 3,647.7      | 107.8        | 3,648.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 14,100.0              | 90.00           | 359.66      | 10,407.0              | 3,747.7      | 107.2        | 3,748.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 14,200.0              | 90.00           | 359.66      | 10,407.0              | 3,847.7      | 106.6        | 3,848.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 14,300.0              | 90.00           | 359.66      | 10,407.0              | 3,947.7      | 106.0        | 3,948.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 14,400.0              | 90.00           | 359.66      | 10,407.0              | 4,047.7      | 105.4        | 4,048.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 14,500.0              | 90.00           | 359.66      | 10,407.0              | 4,147.7      | 104.8        | 4,148.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 14,600.0              | 90.00           | 359.66      | 10,407.0              | 4,247.6      | 104.2        | 4,248.2                 | 0.00                    | 0.00                   | 0.00                  |  |
| 14,700.0              | 90.00           | 359.66      | 10,407.0              | 4,347.6      | 103.6        | 4,348.2                 | 0.00                    | 0.00                   | 0.00                  |  |
| 14,800.0              | 90.00           | 359.66      | 10,407.0              | 4,447.6      | 103.0        | 4,448.2                 | 0.00                    | 0.00                   | 0.00                  |  |
| 14,900.0              | 90.00           | 359.66      | 10,407.0              | 4,547.6      | 102.4        | 4,548.2                 | 0.00                    | 0.00                   | 0.00                  |  |
| 15,000.0              | 90.00           | 359.66      | 10,407.0              | 4,647.6      | 101.8        | 4,648.2                 | 0.00                    | 0.00                   | 0.00                  |  |
| 15,100.0              | 90.00           | 359.66      | 10,407.0              | 4,747.6      | 101.2        | 4,748.2                 | 0.00                    | 0.00                   | 0.00                  |  |
| 15,200.0              | 90.00           | 359.66      | 10,407.0              | 4,847.6      | 100.6        | 4,848.2                 | 0.00                    | 0.00                   | 0.00                  |  |
| 15,300.0              | 90.00           | 359.66      | 10,407.0              | 4,947.6      | 100.0        | 4,948.2                 | 0.00                    | 0.00                   | 0.00                  |  |
| 15,400.0              | 90.00           | 359.66      | 10,407.0              | 5,047.6      | 99.4         | 5,048.2                 | 0.00                    | 0.00                   | 0.00                  |  |
| 15,500.0              | 90.00           | 359.66      | 10,407.0              | 5,147.6      | 98.8         | 5,148.2                 | 0.00                    | 0.00                   | 0.00                  |  |
| 15,600.0              | 90.00           | 359.66      | 10,407.0              | 5,247.6      | 98.2         | 5,248.2                 | 0.00                    | 0.00                   | 0.00                  |  |
| 15,700.0              | 90.00           | 359.66      | 10,407.0              | 5,347.6      | 97.6         | 5,348.2                 | 0.00                    | 0.00                   | 0.00                  |  |
| 15,800.0              | 90.00           | 359.66      | 10,407.0              | 5,447.6      | 97.0         | 5,448.1                 | 0.00                    | 0.00                   | 0.00                  |  |
| 15,900.0              | 90.00           | 359.66      | 10,407.0              | 5,547.6      | 96.4         | 5,548.1                 | 0.00                    | 0.00                   | 0.00                  |  |
| 16,000.0              | 90.00           | 359.66      | 10,407.0              | 5,647.6      | 95.8         | 5,648.1                 | 0.00                    | 0.00                   | 0.00                  |  |
| 16,100.0              | 90.00           | 359.66      | 10,407.0              | 5,747.6      | 95.2         | 5,748.1                 | 0.00                    | 0.00                   | 0.00                  |  |
| 16,200.0              | 90.00           | 359.66      | 10,407.0              | 5,847.6      | 94.6         | 5,848.1                 | 0.00                    | 0.00                   | 0.00                  |  |
| 16,300.0              | 90.00           | 359.66      | 10,407.0              | 5,947.6      | 94.0         | 5,948.1                 | 0.00                    | 0.00                   | 0.00                  |  |
| 16,400.0              | 90.00           | 359.66      | 10,407.0              | 6,047.6      | 93.4         | 6,048.1                 | 0.00                    | 0.00                   | 0.00                  |  |
| 16,500.0              | 90.00           | 359.66      | 10,407.0              | 6,147.6      | 92.8         | 6,148.1                 | 0.00                    | 0.00                   | 0.00                  |  |
| 16,600.0              | 90.00           | 359.66      | 10,407.0              | 6,247.6      | 92.1         | 6,248.1                 | 0.00                    | 0.00                   | 0.00                  |  |
| 16,700.0              | 90.00           | 359.66      | 10,407.0              | 6,347.6      | 91.5         | 6,348.1                 | 0.00                    | 0.00                   | 0.00                  |  |
| 16,800.0              | 90.00           | 359.66      | 10,407.0              | 6,447.6      | 90.9         | 6,448.1                 | 0.00                    | 0.00                   | 0.00                  |  |
| 16,900.0              | 90.00           | 359.66      | 10,407.0              | 6,547.6      | 90.3         | 6,548.1                 | 0.00                    | 0.00                   | 0.00                  |  |
| 17,000.0              | 90.00           | 359.66      | 10,407.0              | 6,647.6      | 89.7         | 6,648.1                 | 0.00                    | 0.00                   | 0.00                  |  |
| 17,100.0              | 90.00           | 359.66      | 10,407.0              | 6,747.6      | 89.1         | 6,748.0                 | 0.00                    | 0.00                   | 0.00                  |  |
| 17,200.0              | 90.00           | 359.66      | 10,407.0              | 6,847.6      | 88.5         | 6,848.0                 | 0.00                    | 0.00                   | 0.00                  |  |
| 17,300.0              | 90.00           | 359.66      | 10,407.0              | 6,947.6      | 87.9         | 6,948.0                 | 0.00                    | 0.00                   | 0.00                  |  |
| 17,400.0              | 90.00           | 359.66      | 10,407.0              | 7,047.6      | 87.3         | 7,048.0                 | 0.00                    | 0.00                   | 0.00                  |  |
| 17,500.0              | 90.00           | 359.66      | 10,407.0              | 7,147.6      | 86.7         | 7,148.0                 | 0.00                    | 0.00                   | 0.00                  |  |
| 17,600.0              | 90.00           | 359.66      | 10,407.0              | 7,247.6      | 86.1         | 7,248.0                 | 0.00                    | 0.00                   | 0.00                  |  |
| 17,700.0              | 90.00           | 359.66      | 10,407.0              | 7,347.6      | 85.5         | 7,348.0                 | 0.00                    | 0.00                   | 0.00                  |  |
| 17,800.0              | 90.00           | 359.66      | 10,407.0              | 7,447.6      | 84.9         | 7,448.0                 | 0.00                    | 0.00                   | 0.00                  |  |
| 17,900.0              | 90.00           | 359.66      | 10,407.0              | 7,547.6      | 84.3         | 7,548.0                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,000.0              | 90.00           | 359.66      | 10,407.0              | 7,647.6      | 83.7         | 7,648.0                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,100.0              | 90.00           | 359.66      | 10,407.0              | 7,747.6      | 83.1         | 7,748.0                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,200.0              | 90.00           | 359.66      | 10,407.0              | 7,847.6      | 82.5         | 7,848.0                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,300.0              | 90.00           | 359.66      | 10,407.0              | 7,947.6      | 81.9         | 7,948.0                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,400.0              | 90.00           | 359.66      | 10,407.0              | 8,047.6      | 81.3         | 8,047.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,500.0              | 90.00           | 359.66      | 10,407.0              | 8,147.6      | 80.7         | 8,147.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,600.0              | 90.00           | 359.66      | 10,407.0              | 8,247.6      | 80.1         | 8,247.9                 | 0.00                    | 0.00                   | 0.00                  |  |



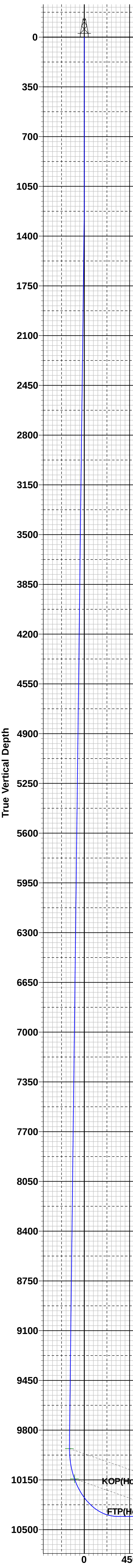
## EOG Resources

## Planning Report

|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | EDM                         | <b>Local Co-ordinate Reference:</b> | Well #310H            |
| <b>Company:</b>  | EOG Resources - Midland     | <b>TVD Reference:</b>               | kb = 25' @ 3366.0usft |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>MD Reference:</b>                | kb = 25' @ 3366.0usft |
| <b>Site:</b>     | Holyfield 9 Fed Com         | <b>North Reference:</b>             | Grid                  |
| <b>Well:</b>     | #310H                       | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | OH                          |                                     |                       |
| <b>Design:</b>   | Plan #0.1 RT                |                                     |                       |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |  |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |  |
| 18,700.0              | 90.00           | 359.66      | 10,407.0              | 8,347.6      | 79.5         | 8,347.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,800.0              | 90.00           | 359.66      | 10,407.0              | 8,447.6      | 78.9         | 8,447.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,900.0              | 90.00           | 359.66      | 10,407.0              | 8,547.6      | 78.3         | 8,547.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 19,000.0              | 90.00           | 359.66      | 10,407.0              | 8,647.6      | 77.7         | 8,647.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 19,100.0              | 90.00           | 359.66      | 10,407.0              | 8,747.6      | 77.1         | 8,747.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 19,200.0              | 90.00           | 359.66      | 10,407.0              | 8,847.6      | 76.5         | 8,847.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 19,300.0              | 90.00           | 359.66      | 10,407.0              | 8,947.6      | 75.9         | 8,947.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 19,400.0              | 90.00           | 359.66      | 10,407.0              | 9,047.6      | 75.3         | 9,047.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 19,500.0              | 90.00           | 359.66      | 10,407.0              | 9,147.6      | 74.7         | 9,147.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 19,600.0              | 90.00           | 359.66      | 10,407.0              | 9,247.6      | 74.1         | 9,247.8                 | 0.00                    | 0.00                   | 0.00                  |  |
| 19,700.0              | 90.00           | 359.66      | 10,407.0              | 9,347.6      | 73.5         | 9,347.8                 | 0.00                    | 0.00                   | 0.00                  |  |
| 19,800.0              | 90.00           | 359.66      | 10,407.0              | 9,447.6      | 72.9         | 9,447.8                 | 0.00                    | 0.00                   | 0.00                  |  |
| 19,900.0              | 90.00           | 359.66      | 10,407.0              | 9,547.6      | 72.3         | 9,547.8                 | 0.00                    | 0.00                   | 0.00                  |  |
| 20,000.0              | 90.00           | 359.66      | 10,407.0              | 9,647.6      | 71.7         | 9,647.8                 | 0.00                    | 0.00                   | 0.00                  |  |
| 20,100.0              | 90.00           | 359.66      | 10,407.0              | 9,747.5      | 71.1         | 9,747.8                 | 0.00                    | 0.00                   | 0.00                  |  |
| 20,200.0              | 90.00           | 359.66      | 10,407.0              | 9,847.5      | 70.5         | 9,847.8                 | 0.00                    | 0.00                   | 0.00                  |  |
| 20,300.0              | 90.00           | 359.66      | 10,407.0              | 9,947.5      | 69.9         | 9,947.8                 | 0.00                    | 0.00                   | 0.00                  |  |
| 20,400.0              | 90.00           | 359.66      | 10,407.0              | 10,047.5     | 69.3         | 10,047.8                | 0.00                    | 0.00                   | 0.00                  |  |
| 20,500.0              | 90.00           | 359.66      | 10,407.0              | 10,147.5     | 68.7         | 10,147.8                | 0.00                    | 0.00                   | 0.00                  |  |
| 20,600.0              | 90.00           | 359.66      | 10,407.0              | 10,247.5     | 68.1         | 10,247.8                | 0.00                    | 0.00                   | 0.00                  |  |
| 20,613.5              | 90.00           | 359.66      | 10,407.0              | 10,261.0     | 68.0         | 10,261.2                | 0.00                    | 0.00                   | 0.00                  |  |

| Design Targets                                                     |               |              |            |              |              |                 |                |                 |                   |  |
|--------------------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-----------------|-------------------|--|
| Target Name<br>- hit/miss target<br>- Shape                        | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude        | Longitude         |  |
| KOP(Holyfield 9 Fed Co<br>- plan hits target center<br>- Point     | 0.00          | 0.00         | 9,929.5    | -148.0       | 131.0        | 414,946.00      | 805,192.00     | 32° 8' 16.421 N | 103° 28' 51.213 W |  |
| FTP(Holyfield 9 Fed Cor<br>- plan hits target center<br>- Point    | 0.00          | 0.00         | 10,142.2   | -98.0        | 131.0        | 414,996.00      | 805,192.00     | 32° 8' 16.916 N | 103° 28' 51.208 W |  |
| PBHL(Holyfield 9 Fed Co<br>- plan hits target center<br>- Point    | 0.00          | 0.00         | 10,407.0   | 10,261.0     | 68.0         | 425,355.00      | 805,129.00     | 32° 9' 59.424 N | 103° 28' 50.987 W |  |
| Fed Perf 1(Holyfield 9 Fed<br>- plan hits target center<br>- Point | 0.00          | 0.00         | 10,407.0   | 1,121.0      | 123.0        | 416,215.00      | 805,184.00     | 32° 8' 28.979 N | 103° 28' 51.189 W |  |



To convert a Magnetic Direction to a Grid Direction, Add 6.11°  
To convert a Magnetic Direction to a True Direction, Add 6.56° East  
To convert a True Direction to a Grid Direction, Subtract 0.45°

Lea County, NM (NAD 83 NME)

Holyfield 9 Fed Com #310H

Plan #0.1 RT

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

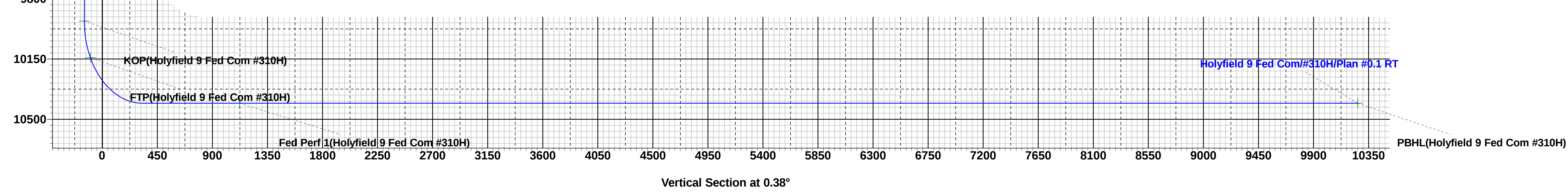
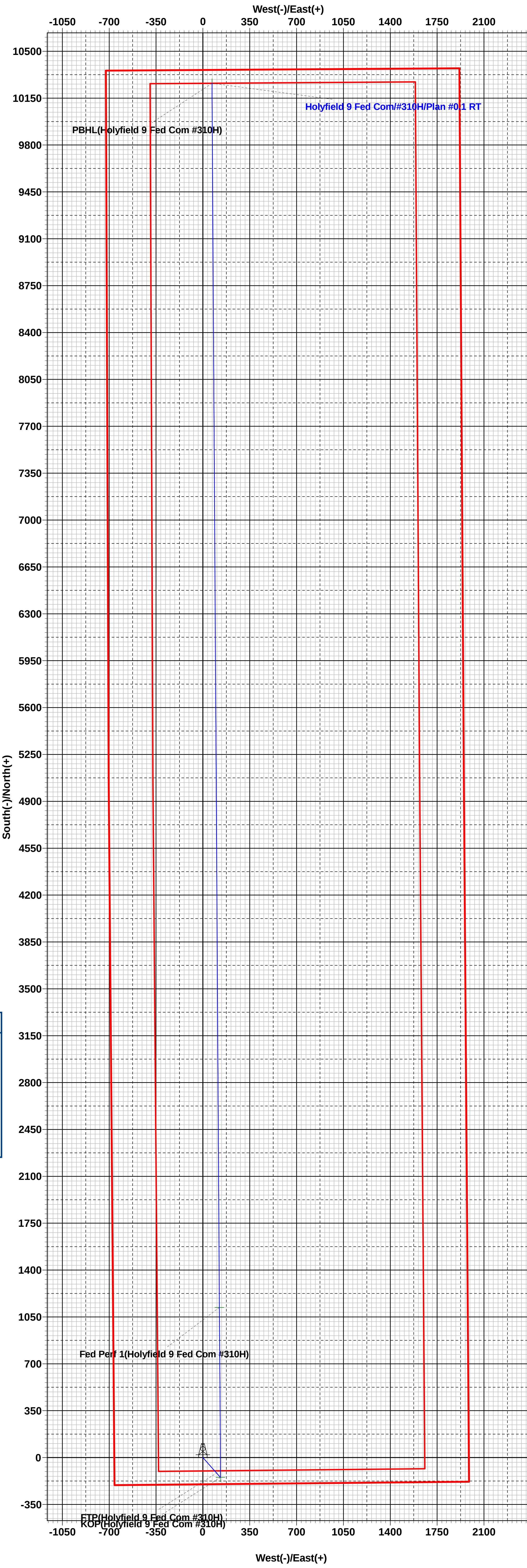
Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: New Mexico Eastern Zone  
System Datum: Mean Sea Level

| WELL DETAILS: #310H          |           |                 |                   |  |
|------------------------------|-----------|-----------------|-------------------|--|
| kb = 25' @ 3366.0usft 3343.0 |           |                 |                   |  |
| Northing                     | Easting   | Latitude        | Longitude         |  |
| 415094.00                    | 805061.00 | 32° 8' 17.896 N | 103° 28' 52.723 W |  |

| SECTION DETAILS |         |       |        |         |         |       |       |        |         |                                       |
|-----------------|---------|-------|--------|---------|---------|-------|-------|--------|---------|---------------------------------------|
| Sec             | MD      | Inc   | Azi    | TVD     | +N/-S   | +E/-W | Dleg  | TFace  | VSect   | Target                                |
| 1               | 0.0     | 0.00  | 0.00   | 0.0     | 0.0     | 0.0   | 0.00  | 0.00   | 0.0     |                                       |
| 2               | 1200.0  | 0.00  | 0.00   | 1200.0  | 0.0     | 0.0   | 0.00  | 0.00   | 0.0     |                                       |
| 3               | 1265.3  | 1.31  | 138.49 | 1265.3  | -0.6    | 0.5   | 2.00  | 138.49 | -0.6    |                                       |
| 4               | 9866.4  | 1.31  | 138.49 | 9864.2  | -147.4  | 130.5 | 0.00  | 0.00   | -146.6  |                                       |
| 5               | 9931.7  | 0.00  | 0.00   | 9929.5  | -148.0  | 131.0 | 2.00  | 180.00 | -147.1  | KOP(Holyfield 9 Fed Com #310H)        |
| 6               | 10152.2 | 26.46 | 0.00   | 10142.2 | -98.0   | 131.0 | 12.00 | 0.00   | -97.1   | FTP(Holyfield 9 Fed Com #310H)        |
| 7               | 10681.7 | 90.00 | 359.58 | 10406.9 | 329.4   | 128.8 | 12.00 | -0.47  | 330.3   |                                       |
| 8               | 11473.3 | 90.00 | 359.58 | 10407.0 | 1121.0  | 123.0 | 0.00  | 0.00   | 1121.8  | Fed Perf 1(Holyfield 9 Fed Com #310H) |
| 9               | 11477.1 | 90.00 | 359.66 | 10407.0 | 1124.8  | 123.0 | 2.00  | 87.07  | 1125.6  |                                       |
| 10              | 20613.5 | 90.00 | 359.66 | 10407.0 | 10261.0 | 68.0  | 0.00  | 0.00   | 10261.2 | PBHL(Holyfield 9 Fed Com #310H)       |

| CASING DETAILS              |
|-----------------------------|
| No casing data is available |

| WELLBORE TARGET DETAILS (MAP CO-ORDINATES) |         |         |       |           |           |
|--------------------------------------------|---------|---------|-------|-----------|-----------|
| Name                                       | TVD     | +N/-S   | +E/-W | Northing  | Easting   |
| KOP(Holyfield 9 Fed Com #310H)             | 9929.5  | -148.0  | 131.0 | 414946.00 | 805192.00 |
| FTP(Holyfield 9 Fed Com #310H)             | 10142.2 | -98.0   | 131.0 | 414996.00 | 805192.00 |
| Fed Perf 1(Holyfield 9 Fed Com #310H)      | 10407.0 | 1121.0  | 123.0 | 416215.00 | 805184.00 |
| PBHL(Holyfield 9 Fed Com #310H)            | 10407.0 | 10261.0 | 68.0  | 425355.00 | 805129.00 |



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**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 24139

CONDITIONS

|                                                                      |                                                      |
|----------------------------------------------------------------------|------------------------------------------------------|
| Operator:<br>EOG RESOURCES INC<br>P.O. Box 2267<br>Midland, TX 79702 | OGRID:<br>7377                                       |
|                                                                      | Action Number:<br>24139                              |
|                                                                      | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

CONDITIONS

|            |           |                |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| pkautz     | None      | 6/17/2021      |