

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

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. **NMNM28881**

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator **EOG RESOURCES INCORPORATED**

3a. Address **1111 BAGBY SKY LOBBY 2, HOUSTON, TX 770** 3b. Phone No. (include area code) **(713) 651-7000**

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)
SEC 30/T24S/R34E/NMP

7. If Unit of CA/Agreement, Name and/or No. **NMNM143157**

8. Well Name and No. **JUPITER 30 FED COM/401H**

9. API Well No. **30-025-52439**

10. Field and Pool or Exploratory Area
RED HILLS/BONE SPRING, NORTH

11. Country or Parish, State
LEA/NM

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 type="checkbox"/> Other |
| | <input checked="" type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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 perfonned 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 detennined that the site is ready for final inspection.)

Jupiter 29 Fed Com 401H API #: 30-025-52439

EOG respectfully requests an amendment to our approved APD for this well to reflect the following changes:

Change SHL from T-24-S, R-34-E, Sec 30, 2133' FNL, 1266' FWL, Lea Co., NM,
to T-24-S, R-34-E, Sec 30, 2133' FNL, 1806' FWL, Lea Co., N.M.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
STAR HARRELL / Ph: (432) 848-9161

Title **Regulatory Specialist**

Signature (Electronic Submission) _____ Date **01/16/2024**

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved

Title **Petroleum Engineer** Date **02/15/2024**

Office **CARLSBAD**

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.

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)

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 Rd., 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, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
[] AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Table with 3 columns: API Number (30-025-52439), Pool Code (96434), Pool Name (Red Hills; Bone Spring, North), Property Code (335194), Property Name (JUPITER 30 FED COM), Well Number (401H), OGRID No. (7377), Operator Name (EOG RESOURCES, INC.), Elevation (3544')

Surface Location

Table with 10 columns: UL or lot no. (F), Section (30), Township (24-S), Range (34-E), Lot Idn (-), Feet from the (2133'), North/South line (NORTH), Feet from the (1806'), East/West line (WEST), County (LEA)

Bottom Hole Location If Different From Surface

Table with 10 columns: UL or lot no. (1), Section (19), Township (24-S), Range (34-E), Lot Idn (-), Feet from the (100'), North/South line (NORTH), Feet from the (710'), East/West line (WEST), County (LEA)

Table with 4 columns: Dedicated Acres (478.46), Joint or Infill, Consolidated Code, Order No. (COM AGREEMENT NMNM-105736823)

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.

Main plat diagram showing well location, surface location (SHL), kick off point (KOP), upper most perf. (UMP), lower most perf. (LMP), bottom hole location (BHL), and federal performance points (FPP1, FPP2). Includes acreage table for lots 1-4 in sections 19 and 30, and operator certification by Star L Harrell dated 1/16/24.



Jupiter 29 Fed Com 401H

Revised Permit Information 11/02/2023:

Well Name: Jupiter 29 Fed Com 401H

Location: SHL: 2133' FNL & 1806' FWL, Section 30, T-24-S, R-34-E, Lea Co., N.M.

BHL: 100' FNL & 710' FWL, Section 19, T-24-S, R-34-E, Lea Co., N.M.

Casing Program A:

| Hole Size | Interval MD | | Interval TVD | | Csg OD | Weight | Grade | Conn |
|-----------|-------------|---------|--------------|---------|---------|--------|---------|------|
| | From (ft) | To (ft) | From (ft) | To (ft) | | | | |
| 16" | 0 | 1,310 | 0 | 1,310 | 13-3/8" | 54.5# | J-55 | STC |
| 11" | 0 | 5,287 | 0 | 5,160 | 9-5/8" | 40# | J-55 | LTC |
| 6-3/4" | 0 | 18,240 | 0 | 10,555 | 5-1/2" | 17# | HCP-110 | LTC |

Variance is requested to waive the centralizer requirements for the 9-5/8" casing in the 11" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 11" 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 6-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 6-3/4" hole interval to maximize cement bond and zonal isolation.

EOG requests permission to allow deviation from the 0.422" annulus clearance requirement for the intermediate (salt) section from Onshore Order #2 under the following conditions:

- The variance is not applicable within the Potash Boundaries or Capitan Reef areas.
- Operator takes responsibility to get casing to set point in the event that the clearance causes stuck pipe issues.

Cementing Program:

| Depth | No. Sacks | Wt. ppg | Yld Ft3/sk | Slurry Description |
|-------------------|-----------|---------|------------|--|
| 1,310' 13-3/8" | 350 | 13.5 | 1.73 | Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl ₂ + 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 @ 1,110') |
| 5,160' 9-5/8" | 500 | 12.7 | 2.22 | Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface) |
| | 100 | 14.8 | 1.32 | Tail: Class C + 10% NaCl + 3% MagOx (TOC @ 4,130') |
| 18,240' 5-1/2" | 300 | 10.5 | 3.21 | Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 4,660') |
| | 570 | 13.2 | 1.52 | Tail: Class H + 5% NEX-020 + 0.2% NAC-102 + 0.15% NAS-725 + 0.5% NFL-549 + 0.2% NFP-703 + 1% NBE-737 + 0.3% NRT-241 (TOC @ 10210') |



Jupiter 29 Fed Com 401H

| Additive | Purpose |
|---------------------|---|
| Bentonite Gel | Lightweight/Lost circulation prevention |
| Calcium Chloride | Accelerator |
| Cello-flake | Lost circulation prevention |
| Sodium Metasilicate | Accelerator |
| MagOx | Expansive agent |
| Pre-Mag-M | 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.

Mud Program:

| Depth (TVD) | Type | Weight (ppg) | Viscosity | Water Loss |
|--------------------|-------------|---------------------|------------------|-------------------|
| 0 – 1,310' | Fresh - Gel | 8.6-8.8 | 28-34 | N/c |
| 1,310' – 5,160' | Brine | 8.6-8.8 | 28-34 | N/c |
| 5,160' – 18,240' | Oil Base | 8.8-9.5 | 58-68 | N/c - 6 |



TUBING REQUIREMENTS

EOG respectfully requests an exception to the following NMOCD rule:

- 19.15.16.10 Casing AND TUBING REQUIREMENTS:
J (3): “The operator shall set tubing as near the bottom as practical and tubing perforations shall not be more than 250 feet above top of pay zone.”

With horizontal flowing and gas lifted wells an end of tubing depth placed at or slightly above KOP is a conservative way to ensure the tubing stays clean from debris, plugging, and allows for fewer well interventions post offset completion. The deeper the tubulars are run into the curve, the higher the probability is that the tubing will become stuck in sand and or well debris as the well produces over time. An additional consideration for EOT placement during artificial lift installations is avoiding the high dog leg severity and inclinations found in the curve section of the wellbore to help improve reliability and performance. Dog leg severity and inclinations tend not to hamper gas lifted or flowing wells, but they do effect other forms of artificial lift like rod pump or ESP (electric submersible pump). Keeping the EOT above KOP is an industry best practice for those respective forms of artificial lift.

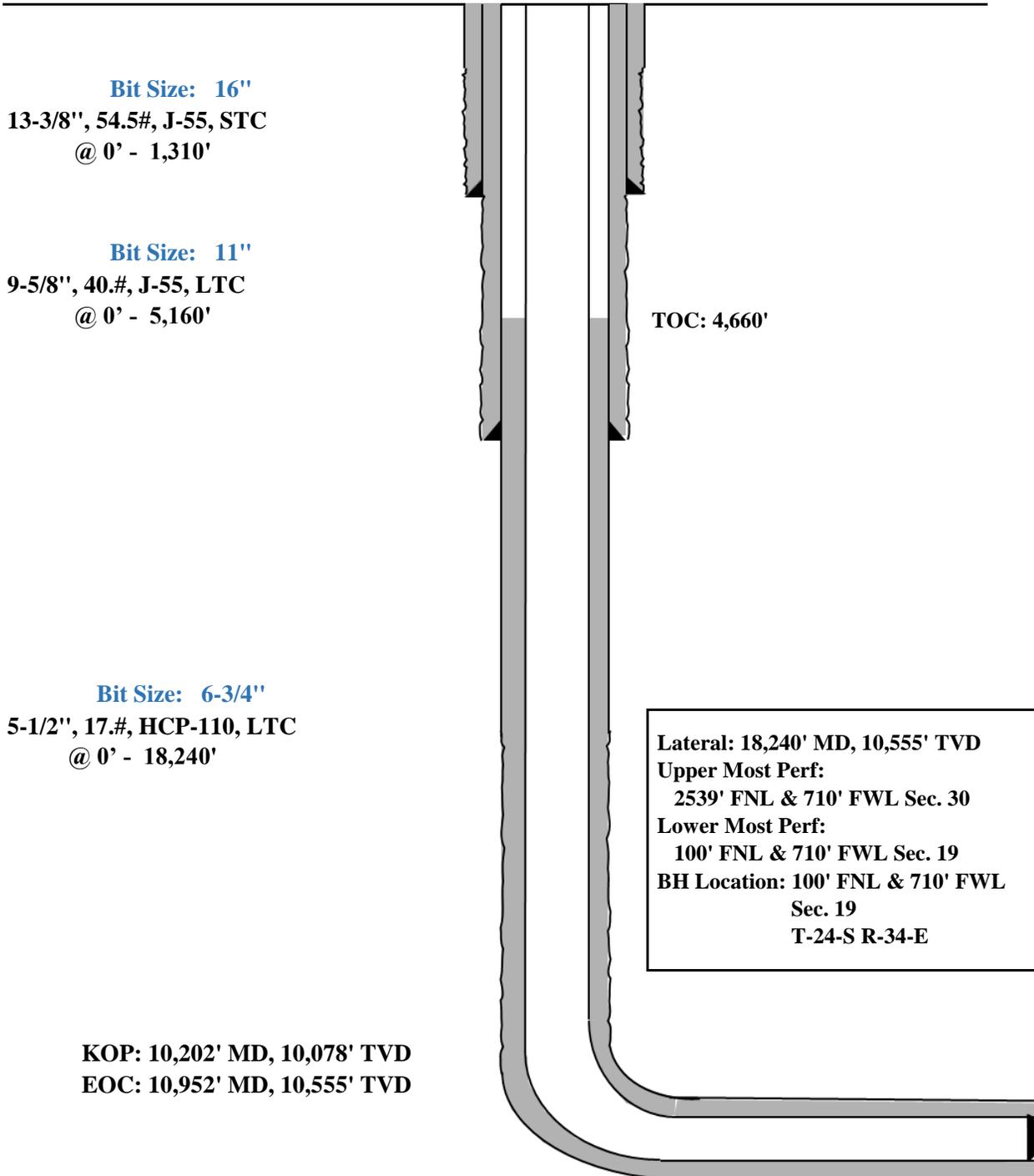


Jupiter 29 Fed Com 401H

2133' FNL
 1806' FWL
 Section 30
 T-24-S, R-34-E

Revised Wellbore A:
 API: 30-025-52439

KB: 3569'
 GL: 3544'





Jupiter 29 Fed Com 401H

Revised Permit Information 11/02/2023:

Well Name: Jupiter 29 Fed Com 401H

Location: SHL: 2133' FNL & 1806' FWL, Section 30, T-24-S, R-34-E, Lea Co., N.M.

BHL: 100' FNL & 710' FWL, Section 19, T-24-S, R-34-E, Lea Co., N.M.

Casing Program B:

| Hole Size | Interval MD | | Interval TVD | | Csg OD | Weight | Grade | Conn |
|-----------|-------------|---------|--------------|---------|---------|--------|---------|--------|
| | From (ft) | To (ft) | From (ft) | To (ft) | | | | |
| 13-1/2" | 0 | 1,310 | 0 | 1,310 | 10-3/4" | 40.5# | J-55 | STC |
| 9-7/8" | 0 | 5,287 | 0 | 5,160 | 8-5/8" | 32# | J-55 | BTC-SC |
| 6-3/4" | 0 | 18,240 | 0 | 10,555 | 5-1/2" | 17# | HCP-110 | LTC |

Cementing Program:

| Depth | No. Sacks | Wt. ppg | Yld Ft3/sk | Slurry Description |
|-------------------|-----------|---------|------------|--|
| 1,310' 10-3/4" | 420 | 13.5 | 1.73 | Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface) |
| | 110 | 14.8 | 1.34 | Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 1,110') |
| 5,160' 8-5/8" | 410 | 12.7 | 2.22 | Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface) |
| | 660 | 14.8 | 1.32 | Tail: Class C + 10% NaCl + 3% MagOx (TOC @ 4,130') |
| 18,240' 5-1/2" | 520 | 10.5 | 3.21 | Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 4,660') |
| | 800 | 13.2 | 1.52 | Tail: Class H + 5% NEX-020 + 0.2% NAC-102 + 0.15% NAS-725 + 0.5% NFL-549 + 0.2% NFP-703 + 1% NBE-737 + 0.3% NRT-241 (TOC @ 10210') |



Variance is requested to waive the centralizer requirements for the 8-5/8" casing in the 9-7/8" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 9-7/8" 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 6-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 6-3/4" hole interval to maximize cement bond and zonal isolation.

EOG requests permission to allow deviation from the 0.422" annulus clearance requirement for the intermediate (salt) section from Onshore Order #2 under the following conditions:

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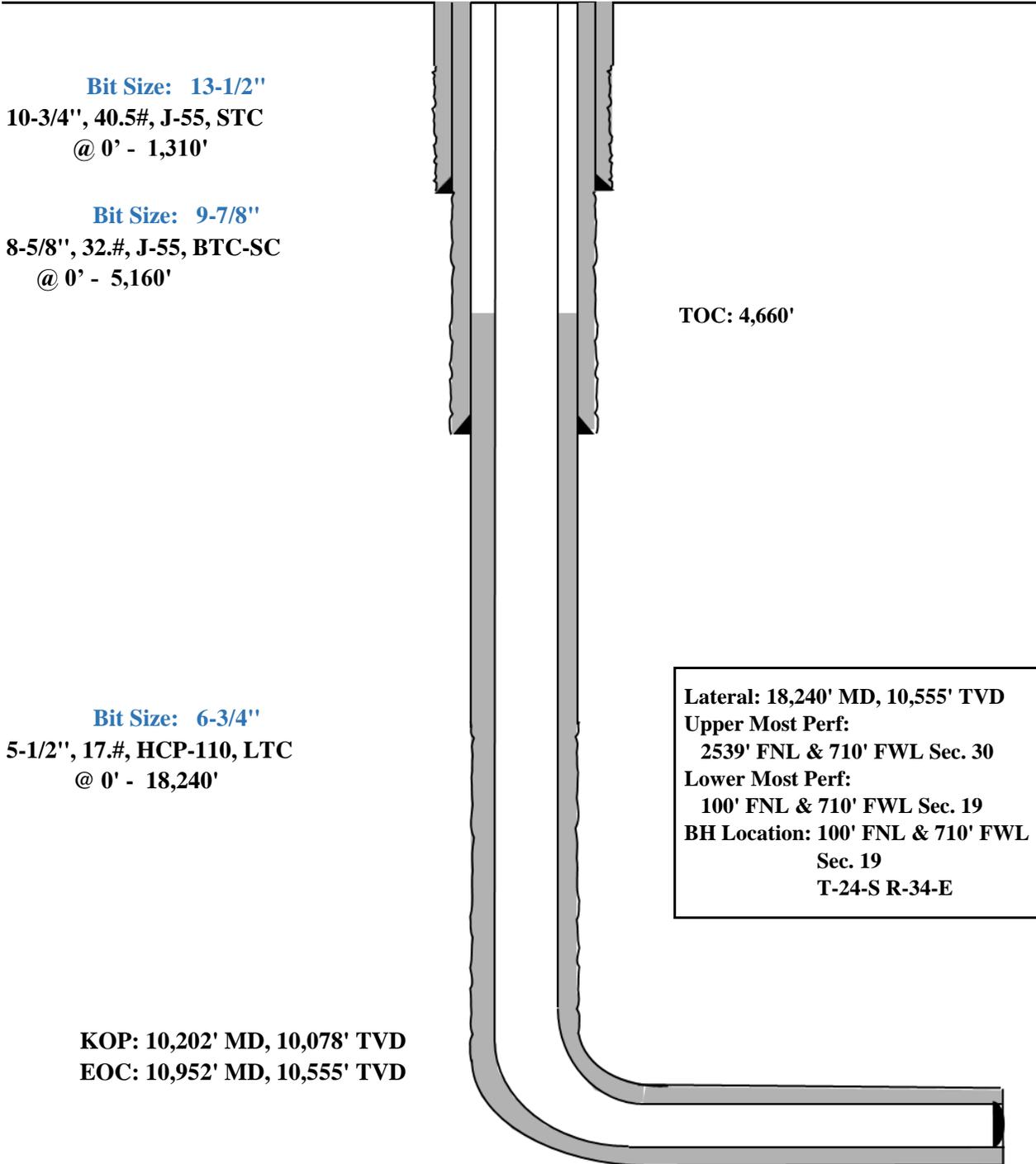

Jupiter 29 Fed Com 401H

2133'
 1806'
 Section 30
 T-24-S, R-34-E

Revised Wellbore B:

 API: 30-025-52439

KB: 3569'
 GL: 3544'



**GEOLOGIC NAME OF SURFACE FORMATION:**

Permian

ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

| | |
|------------------------|---------|
| Rustler | 1,195' |
| Tamarisk Anhydrite | 1,280' |
| Top of Salt | 1,730' |
| Base of Salt | 5,055' |
| Lamar | 5,305' |
| Bell Canyon | 5,335' |
| Cherry Canyon | 6,311' |
| Brushy Canyon | 7,741' |
| Bone Spring Lime | 9,238' |
| Leonard (Avalon) Shale | 9,305' |
| 1st Bone Spring Sand | 10,253' |
| 2nd Bone Spring Shale | 10,621' |
| 2nd Bone Spring Sand | 10,772' |
| 3rd Bone Spring Carb | 11,315' |
| 3rd Bone Spring Sand | 11,838' |
| Wolfcamp | 12,287' |
| TD | 10,555' |

ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

| | | |
|------------------------|---------|-------------|
| Upper Permian Sands | 0- 400' | Fresh Water |
| Bell Canyon | 5,335' | Oil |
| Cherry Canyon | 6,311' | Oil |
| Brushy Canyon | 7,741' | Oil |
| Leonard (Avalon) Shale | 9,305' | Oil |
| 1st Bone Spring Sand | 10,253' | Oil |
| 2nd Bone Spring Shale | 10,621' | Oil |
| 2nd Bone Spring Sand | 10,772' | Oil |

District I
 1625 N. French Dr., Hobbs, NM 88240
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District IV
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 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 315009

CONDITIONS

| | |
|---|--|
| Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706 | OGRID: 7377 |
| | Action Number: 315009 |
| | Action Type: [C-103] NOI Change of Plans (C-103A) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| pkautz | None | 3/15/2024 |