

Submit 1 Copy To Appropriate District Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

|                                                                                                                                                                                                                      |  |                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)        |  | WELL API NO.<br><b>30-025-41649</b>                                                                 |
| 1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>                                                                                       |  | 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 2. Name of Operator<br><b>EOG Resources, Inc.</b>                                                                                                                                                                    |  | 6. State Oil & Gas Lease No.                                                                        |
| 3. Address of Operator<br><b>P.O. Box 2267 Midland, TX 79702</b>                                                                                                                                                     |  | 7. Lease Name or Unit Agreement Name<br><b>Nautilus 16 State Com</b>                                |
| 4. Well Location<br>Unit Letter <b>A</b> : <b>220</b> feet from the <b>North</b> line and <b>380</b> feet from the <b>East</b> line<br>Section <b>16</b> Township <b>26S</b> Range <b>34E</b> NMPM County <b>Lea</b> |  | 8. Well Number <b>1H</b>                                                                            |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br><b>3312' GR</b>                                                                                                                                                |  | 9. OGRID Number<br><b>7377</b>                                                                      |
|                                                                                                                                                                                                                      |  | 10. Pool name or Wildcat<br><b>Red Hills; Upper Bone Spring Shale</b>                               |

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

| NOTICE OF INTENTION TO:                        |                                                  | SUBSEQUENT REPORT OF:                            |                                          |
|------------------------------------------------|--------------------------------------------------|--------------------------------------------------|------------------------------------------|
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/>        | REMEDIAL WORK <input type="checkbox"/>           | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/>   | CHANGE PLANS <input checked="" type="checkbox"/> | COMMENCE DRILLING OPNS. <input type="checkbox"/> | P AND A <input type="checkbox"/>         |
| PULL OR ALTER CASING <input type="checkbox"/>  | MULTIPLE COMPL <input type="checkbox"/>          | CASING/CEMENT JOB <input type="checkbox"/>       |                                          |
| DOWNHOLE COMMINGLE <input type="checkbox"/>    |                                                  |                                                  |                                          |
| CLOSED-LOOP SYSTEM <input type="checkbox"/>    |                                                  |                                                  |                                          |
| OTHER: <input type="checkbox"/>                |                                                  | OTHER: <input type="checkbox"/>                  |                                          |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

EOG Resources requests a change in our approved APD for this well to reflect a change in casing design as attached.

HOBBS OCD

AUG 21 2014

RECEIVED

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Stan Wagner TITLE Regulatory Analyst DATE 8/22/14  
Type or print name Stan Wagner E-mail address:  PHONE: 432-686-3689  
For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE 08/22/14  
Conditions of Approval (if any):

AUG 22 2014

**Permit Information:**

Well Name: Nautilus 16 State Com No. 1H

Location:

SL: 220' FNL &amp; 380' FEL, Section 16, T-26-S, R-34-E, Lea Co., N.M.

BHL: 230' FSL &amp; 380' FEL, Section 16, T-26-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 |
|-----------|------------|--------|--------|---------|------|----------------------------|-------------------------|---------------------------|
| 12.25"    | 0 - 1150'  | 9.625" | 40#    | J55     | STC  | 1.125                      | 1.25                    | 1.60                      |
| 8.75"     | 0-11,250'  | 7"     | 26#    | HCP-110 | LTC  | 1.125                      | 1.25                    | 1.60                      |
| 6.125"    | 0'-17,166' | 4.5"   | 13.5#  | HCP-110 | BTC  | 1.125                      | 1.25                    | 1.60                      |

**Cement Program:**

| Depth                                    | No. Sacks | Wt. ppg | Yld Ft <sup>3</sup> /ft | Slurry Description                                                                                                                                                         |
|------------------------------------------|-----------|---------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1150'                                    | 250       | 13.5    | 1.73                    | Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl <sub>2</sub> + 0.25 lb/sk Cello-Flake (TOC @ Surface)                                                                    |
|                                          | 200       | 14.8    | 1.34                    | Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate                                                                                                   |
| 11,250'<br>DV Tool w/<br>ECP @<br>5,200' | 250       | 10.8    | 3.68                    | Stage 1 Lead: Class C + 15.00 lbs/sk BA-90 + 4.00% MPA-5 + 3.00% SMS + 5.00% A-10 + 1.00% BA-10A + 0.80% ASA-301 + 2.90% R-21 + 8.00 lb/sk LCM-1 + 0.005 lb/sx Static Free |
|                                          | 200       | 15.6    | 1.19                    | Stage 1 Tail: Class H + 1.0% FL-52 + 0.6% CD-32 + 0.5% SMS + 1.0% Salt + 0.3% R-3                                                                                          |
|                                          | 325       | 12.7    | 2.22                    | Stage 2 Lead: Class 'C' + 2.0% SMS + 10.0% Slat + 0.55% R-21 + 0.25 pps Celloflake + 0.005 pps Static Free (TOC @ Surface)                                                 |
|                                          | 150       | 14.8    | 1.35                    | Stage 2 Tail: Class 'C' + 0.60% FL-62 + 0.7% CD-32 + 0.3% SMS + 2.0% Salt + 0.10% R-3 + 0.005 pps Static Free + 0.005 gps FP-6L                                            |
| 17,166'                                  | 550       | 14.2    | 1.35                    | 50:50:2 Class H + 0.65% FL-52 + 0.70% CD-32 + 1.0% EC-1 + 0.40% SMS + 2.0% Salt + 0.05% R-3 + 0.005 pps Static Free + 0.005 gps FP-6L (TOC @ 10,750')                      |

**Mud Program:**

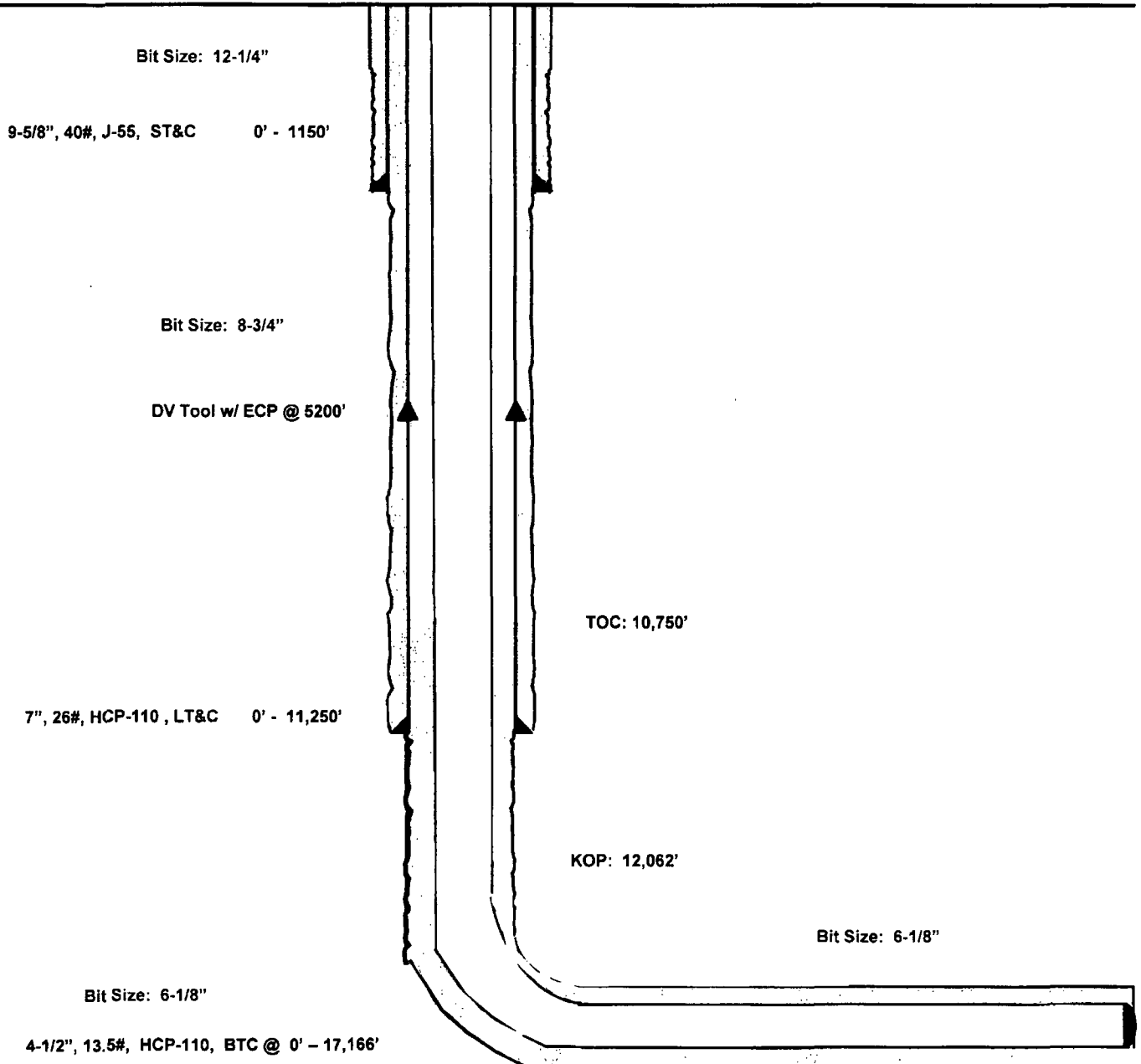
| Depth                        | Type        | Weight (ppg) | Viscosity | Water Loss |
|------------------------------|-------------|--------------|-----------|------------|
| 0 - 1150'                    | Fresh - Gel | 8.6-8.8      | 28-34     | N/c        |
| 1150' - 11,250'              | Oil Base    | 8.7-9.4      | 58-68     | N/c - 6    |
| 11,250' - 12,062'            | Oil Base    | 8.7-9.4      | 58-68     | N/c - 6    |
| 12,062' - 17,166'<br>Lateral | Oil Base    | 9.0-9.5      | 58-68     | N/c - 6    |

# Nautilus 16 State Com #1H

220' FNL  
380' FEL  
Section 16  
T-26-S, R-34-E

Lea County, New Mexico  
Proposed Wellbore  
Revised 8/21/14  
API: 30-025-41649

KB: 3,337'  
GL: 3,312'



Lateral: 17,166' MD, 12,540' TVD

BH Location: 230' FSL & 380' FEL  
Section 16  
T-26-S, R-34-E