

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

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

Form C-103  
Revised July 18, 2013

|                                                                                                                                                                                                                |  |                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|
| <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>30-025-45141                                                                        |
| 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>EOG Resources, Inc.                                                                                                                                                                     |  | 6. State Oil & Gas Lease No.                                                                        |
| 3. Address of Operator<br>P.O. Box 2267, Midland, Texas 79702                                                                                                                                                  |  | 7. Lease Name or Unit Agreement Name<br>Hearththrob 17 State                                        |
| 4. Well Location<br>Unit Letter <u>O</u> : 443 feet from the <u>South</u> line and <u>1368</u> feet from the East line<br>Section <u>17</u> <u>24S</u> Township <u>33E</u> Range <u>NMNM</u> Lea <u>County</u> |  | 8. Well Number 706H                                                                                 |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>3569'                                                                                                                                                    |  | 9. OGRID Number<br>7377                                                                             |
|                                                                                                                                                                                                                |  | 10. Pool name or Wildcat<br>WC-025 G-09 S243310P; Upr Wolfcamp                                      |

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐  
CLOSED-LOOP SYSTEM ☐  
OTHER: Amend APD ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐  
OTHER: ☐

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 Inc, respectfully requests to amend the APD (Permit 256487) to change the casing program to the referenced well. Attached please find the following amended documents: the proposed wellbore diagram & the proposed drilling/casing/cementing/mud information.

Spud Date: Estimated 2/15/2019

Rig Release Date:

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

SIGNATURE Star Harrell TITLE Sr Regulatory Specialist DATE 1/17/2019

Type or print name Star Harrell E-mail address: star\_harrell@eogresources.com PHONE: 432-848-9161

For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE 01/17/19  
Conditions of Approval (if any):

**Revised Permit Information 1/15/19:**

Well Name: Heartthrob 17 State Com No. 706H

Location:

SL: 523' FSL &amp; 1,243' FEL, Section 17, T-24-S, R-33-E, Lea Co., N.M.

BHL: 100' FNL &amp; 1,702' FEL, Section 17, T-24-S, R-33-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 – 1,205'   | 9.625" | 40#    | J-55    | LTC  | 1.125                      | 1.25                    | 1.60                      |
| 8.75"     | 0' – 11,442' | 7.625" | 29.7#  | HCP-110 | FXL  | 1.125                      | 1.25                    | 1.60                      |
| 6.75"     | 0' – 17,492' | 5.5"   | 17#    | HCP-110 | LTC  | 1.125                      | 1.25                    | 1.60                      |

**Cement Program:**

| Depth   | No. Sacks | Wt. lb/gal | Yld Ft <sup>3</sup> /ft | Slurry Description                                                                                             |
|---------|-----------|------------|-------------------------|----------------------------------------------------------------------------------------------------------------|
| 1,205'  | 400       | 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)        |
|         | 300       | 14.8       | 1.34                    | Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate                                       |
| 11,442' | 600       | 14.2       | 1.11                    | 1 <sup>st</sup> Stage (Tail): Class C + 5% Salt + (TOC @ 7,000')                                               |
|         | 1,000     | 12.7       | 2.30                    | 2 <sup>nd</sup> Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface) |
| 17,492' | 800       | 14.2       | 1.31                    | Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 10,942')                                 |

**Mud Program:**

| Depth                        | Type        | Weight (ppg) | Viscosity | Water Loss |
|------------------------------|-------------|--------------|-----------|------------|
| 0 – 1,205'                   | Fresh - Gel | 8.6-8.8      | 28-34     | N/c        |
| 1,205' – 11,442'             | Brine       | 8.8-10.0     | 28-34     | N/c        |
| 11,442' – 12,091'            | Oil Base    | 10.0-11.5    | 58-68     | 3 - 6      |
| 12,091' – 17,492'<br>Lateral | Oil Base    | 11.5-14.0    | 58-68     | 3 - 6      |

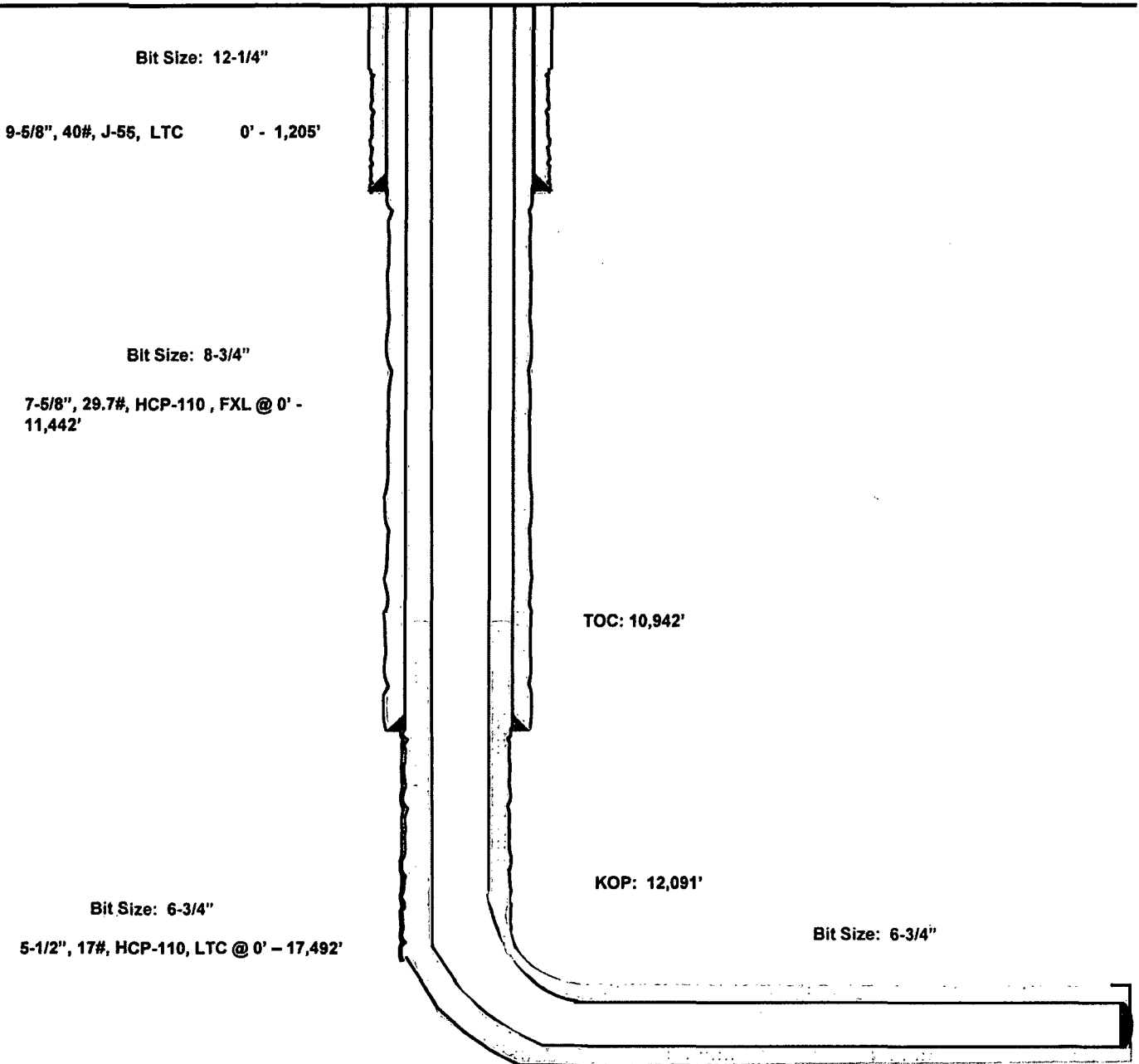
**Heartthrob 17 State Com #706H  
Lea County, New Mexico**

**523' FSL  
1,243' FEL  
Section 17  
T-24-S, R-33-E**

**Revised Wellbore 9/25/18**

**API: 30-025-45141**

**KB: 3,594'  
GL: 3,569'**



**Lateral: 17,492' MD, 12,544' TVD**

**BH Location: 100' FNL & 1,702' FEL  
Section 17  
T-24-S, R-33-E**