

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
Santa Fe, NM 87505

WELL API NO. 30-025-44620
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Grendel 2 State Com
8. Well Number 301H
9. OGRID Number 7377
10. Pool name or Wildcat WC-025 G-08 S233528D; LWR BS

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG A WELL IN A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator
EOG Resources, Inc.

3. Address of Operator
P.O. Box 2267 Midland, TX 79702

4. Well Location
Unit Letter **M** : **352** feet from the **South** line and **782** feet from the **West** line
Section **2** Township **24S** Range **35E** NMPM County **Lea**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3454' GR

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐	Change BHL, Name ☒	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 requests an amendment to our approved APD for this well to reflect a change in BHL, HSU and well name.

Change BHL to: 100' FNL & 330' FWL D-35-23S-35E

Change Name to: Grendel 2 State Com 301H {322313}

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 8/23/2018

Type or print name Stan Wagner E-mail address: _____ PHONE: 432-686-3689

For State Use Only

APPROVED BY: Karen Sharp TITLE Staff Mgr DATE 8-23-18
Conditions of Approval (if any): _____

Revised Permit Information 8/20/18:

Well Name: Grendel 2 State Com No. 301H

Location:

SL: 352' FSL & 782' FWL, Section 2, T-24-S, R-35-E, Lea Co., N.M.

BHL: 100' FNL & 330' FWL, Section 35, T-23-S, R-35-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 – 1,575'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0 – 4,000'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	4,000' - 5,300'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0' - 20,165'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Slurry Description
1,575'	700	13.5	1.73	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl ₂ + 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
5,300' DV Tool w/ ECP @ 4,000'	400	10.8	3.68	Stage 1 Lead: Class C + 5% Gypsum + 30 pps SFA + 0.4% CPT-503P + 3.5% CPT-45 + 0.25% CPT-35 + 0.85% CPT-20 + 0.85% Citric Acid (TOC @ Surface)
	1250	15.6	1.20	Stage 1 Tail: Class H + 0.2% CPT-51 + 0.3% CPT-20
	100	12.7	1.90	Stage 2 Lead: Class C + 3% Salt + 0.6% Gel + 0.5% CPT-45 + 0.1% CPT-20 + 0.1% Citric Acid (TOC @ Surface)
	180	14.8	1.33	Stage 2 Tail: Class C + 0.2% CPT-19
20,165'	990	14.4	1.34	65:35 Class H + 0.2% C-20 + 0.75% C-41P + 0.05% CSA-1000 + 5% MagOx + 0.35% C-47B (TOC @ 4,800')

Mud Program:

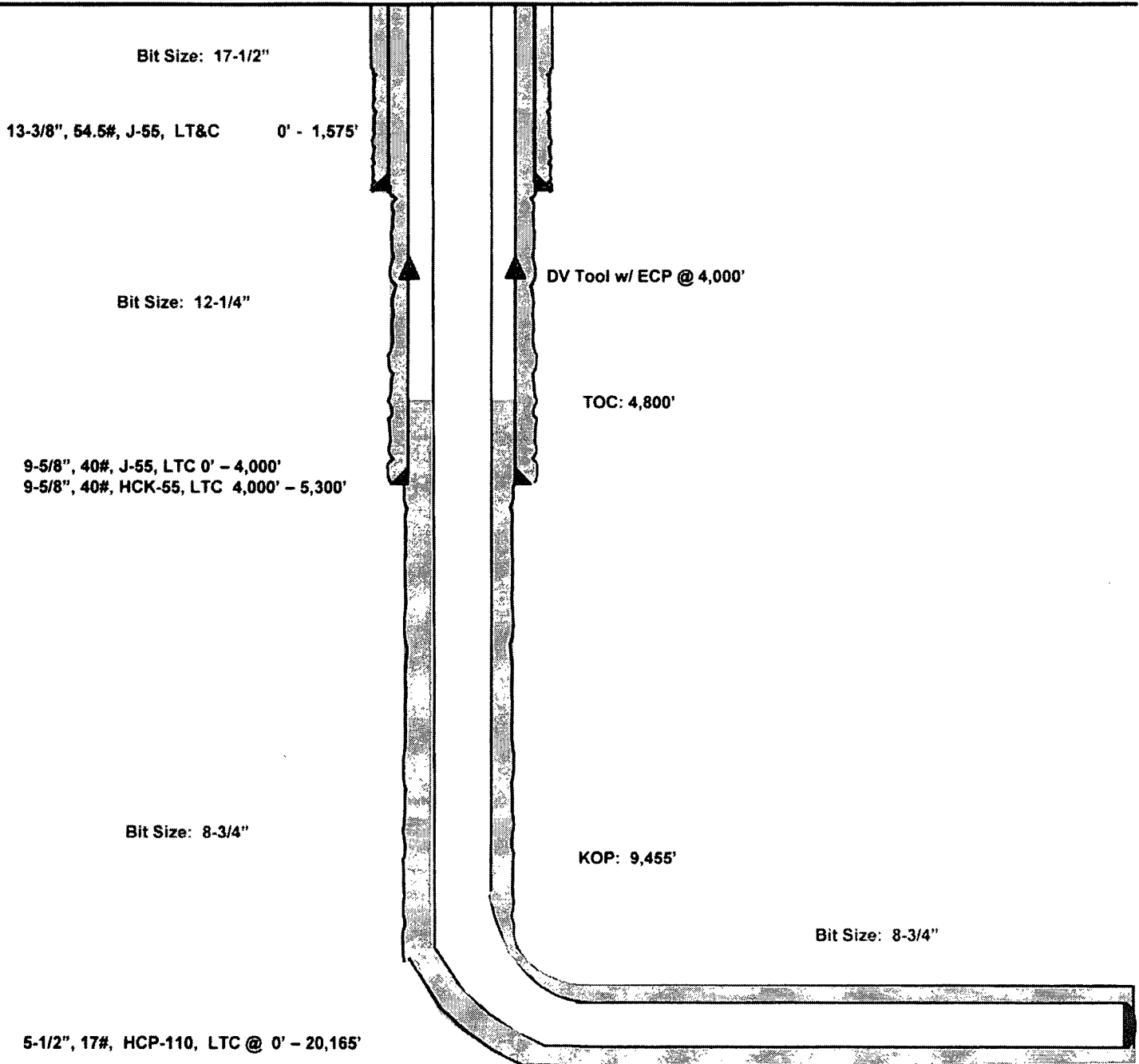
Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,575'	Fresh - Gel	8.6-8.8	28-34	N/c
1,575' – 5,300'	Brine	8.7-9.4	58-68	N/c - 6
5,300' – 9,430'	Brine	8.7-9.4	58-68	N/c - 6
9,430' – 20,165' Lateral	Oil Base	9.0-11.5	58-68	N/c - 6

Grendel 2 State Com #301H

**352' FSL
782' FWL
Section 2
T-24-S, R-35-E**

**Lea County, New Mexico
Proposed Wellbore
Revised 8/20/18
API: 30-025-44620**

**KB: 3,479'
GL: 3,454'**



Lateral: 20,165' MD, 9,909' TVD

**BH Location: 100' FNL & 330' FWL
Section 35
T-23-S, R-35-E**