

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

WELL API NO. 30-025-45528
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Gem 36 State Com
8. Well Number 202H
9. OGRID Number 7377
10. Pool name or Wildcat Jennings; Upper Spring Shale
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3426'

SUNDRY NOTICES AND REPORTS ON WELLS  
(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.)

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, Texas 79702

4. Well Location

Unit Letter B : 324 feet from the North line and 1703 feet from the East line  
Section 36 25S Township 32E Range NMNM Lea Lea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3426'

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: ☐

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 revise the casing string to a 2 string but keeping the 3 string as a contingency.

**Denied**  
BY PAUL KAUTZ  
PAUL.KAUTZ@STATE.NM.US

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 Star Harrell TITLE Sr Regulatory Specialist DATE 3/4/2019

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

**For State Use Only**

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any):

**Gem 36 State Com #202H  
Lea County, New Mexico**

**324' FNL  
1703' FEL  
Section 36  
T-25-S, R-32-E**

**Revised Wellbore  
2/28/19  
API: 30-025-45528**

**KB: 3,451'  
GL: 3,426'**

Bit Size: 12-1/4"

9-5/8", 40#, J-55, LT&C 0' - 875'

Bit Size: 8-3/4"

KOP: 9,265'

Bit Size: 8-1/2"

5-1/2", 17#, P-110 or HCP110, LTC @ 0' - 14,664'

**Denied**

Lateral: 14,664' MD, 9,731' TVD

BH Location: 100' FSL & 1960' FEL  
Section 36  
T-25-S, R-32-E

**Revised Permit Information 2/28/19:**

Well Name: Gem 36 State Com No. 202H

**Location:**

SL: 324' FNL &amp; 1703' FEL, Section 36, T-25-S, R-32-E, Lea Co., N.M.

BHL: 100' FSL &amp; 1960' FEL, Section 36, T-25-S, R-32-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 – 875'	9.625"	40#	J55	LTC	1.125	1.25	1.60
8.75"	0'-10,015'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60
8.5"	10,015'-14,664'	5.5	17#	HCP-110	LTC	1.125	1.25	1.60

**Cement Program:**

Depth	No. Sacks	Wt. ppg	Yld Ft <sup>3</sup> /ft	Slurry Description
875'	309	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)
	56	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
14,664'	2090	14.2	1.11	1 <sup>st</sup> Stage (Tail): Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond
	1000	12.7	2.3	2 <sup>nd</sup> Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel

EOG requests to pump a two stage cement job on the 5-1/2" Production casing string with the first stage being pumped conventionally with the calculated top of cement at the Brushy Canyon (7,470') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If necessary, a top out consisting of 500 sacks of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. The final cement top will be verified by Echo-meter.

**Mud Program:**

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 875'	Fresh - Gel	8.6-8.8	28-34	N/c
875' – 14,664' Lateral	Oil Base	8.7-9.4	58-68	3-6