

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

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.)		WELL API NO. 30-025-45526
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator EOG Resources, Inc.		6. State Oil & Gas Lease No.
3. Address of Operator P.O. Box 2267, Midland, Texas 79702		7. Lease Name or Unit Agreement Name Gem 36 State Com
4. Well Location Unit Letter <u>B</u> : <u>324</u> feet from the <u>North</u> line and <u>1670</u> feet from the <u>East</u> line Section <u>36</u> <u>25S</u> Township <u>32E</u> Range <u>NMNM</u> Lea <u>Lea</u> County <u>County</u>		8. Well Number 102H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3426'		9. OGRID Number 7377
		10. Pool name or Wildcat Jennings; Upper Spring Shale

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 type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input checked="" 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 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  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 #102H
Lea County, New Mexico**

**324' FNL
1670' FEL
Section 36
T-25-S, R-32-E**

**Revised Wellbore
2/28/19
API: 30-025-45526**

**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"

Denied

KOP: 8,796'

Bit Size: 8-1/2"

5-1/2", 17#, P-110 or HCP110, LTC @ 0' - 14,196'

Lateral: 14,196' MD, 9,263' TVD

BH Location: 100' FSL & 1460' FEL
Section 36
T-25-S, R-32-E

Revised Permit Information 2/28/19:

Well Name: Gem 36 State Com No. 102H

Location:

SL: 324' FNL & 1670' FEL, Section 36, T-25-S, R-32-E, Lea Co., N.M.

BHL: 100' FSL & 1460' FEL, Section 36, T-25-S, R-32-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
12.25"	0 – 875'	9.625"	40#	J55	LTC	1.125	1.25	1.60
8.75"	0'-9,546'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60
8.5"	9,546'-14,196'	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
875'	309	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)
	56	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
14,196'	2090	14.2	1.11	1 st Stage (Tail): Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond
	1000	12.7	2.3	2 nd 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' – 14,196' Lateral	Oil Base	8.7-9.4	58-68	3-6