

Submit a 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. 30-025-49158
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. 331180
7. Lease Name or Unit Agreement Name Grace 16 State Com
8. Well Number 501H
9. OGRID Number 7377
10. Pool name or Wildcat 45793 Mescalero Escarpe; Bone Spring

<p><b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)</p>	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator EOG Resources, Inc.	
3. Address of Operator P.O. Box 2267, Midland, Texas 79702	
4. Well Location Unit Letter <u>A</u> : <u>100</u> feet from the <u>North</u> line and <u>330</u> feet from the East line Section <u>16</u> <u>18S</u> Township <u>33E</u> Range <u>NMNM</u> <u>Lee</u> County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3868' GR	

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

<p><b>NOTICE OF INTENTION TO:</b></p>		<p><b>SUBSEQUENT REPORT OF:</b></p>	
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 respectfully requests an amendment to our approved APD for this well to reflect the following changes:

Update casing and cement program to current design.

This well will no longer be a pilot

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 12/21/2021

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):



## Grace 16 State Com 501H

870' FSL  
325' FEL  
Section 16  
T-18-S, R-33-E

Revised Wellbore

KB: 3893'  
GL: 3868'

API: 30-025-49158

Bit Size: 16"  
13-3/8", 54.5#, J-55, STC, 0' - 1,780'

Bit Size: 12-1/4"  
9-5/8" 40#, J-55, LTC, 0' - 4,000'  
9-5/8" 40#, HCK-55, LTC, 4,000' - 5,290'

TOC: 4,790'

Bit Size: 8-3/4"  
5-1/2" 17#, HCP-110, LTC@ 0' - 14,474'

KOP: 9,071'

Bit Size: 8-1/2"

Lateral: 14,474' MD, 9,500' TVD  
BH Location: 100' FNL & 330' FEL  
Sec. 16  
T-18-S R-33-E



## Grace 16 State Com 501H

## Permit Information:

Well Name: Grace 16 State Com 501H

Location: SHL: 870' FSL &amp; 325' FEL, Section 16, T-18-S, R-33-E, Lea Co., N.M.

BHL: 100' FNL &amp; 330' FEL, Section 16, T-18-S, R-33-E, Lea Co., N.M.

## Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DFmin Collapse	DFmin Burst	DFmin Tension
16"	0' - 1,780'	13.375"	54.5#	J-55	STC	1.125	1.25	1.6
12.25"	0' - 4,000'	9.625"	40#	J-55	LTC	1.125	1.25	1.6
12.25"	4,000' - 5,290'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.6
8.75"	0' - 9,071'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.6
8.5"	9,071' - 14,474'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.6

## Cementing Program:

Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
1,780'	540	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl <sub>2</sub> + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	100	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
5,290'	770	12.7	2.22	Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface)
	330	14.8	1.32	Tail: Class C + 10% NaCl + 3% MagOx
14,474'	440	11.0	3.21	Lead: Class C + 3% CaCl <sub>2</sub> + 3% Microbond (TOC @ 4,789')
	1330	14.4	1.2	Tail: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond

## Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,780'	Fresh - Gel	8.6-8.8	28-34	N/c
1,780' – 5,290'	Brine	8.6-8.8	28-34	N/c
5,290' – 14,474' Lateral	Oil Base	8.8-9.5	58-68	N/c - 6

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 68187

**CONDITIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 68187
	Action Type: [C-103] NOI Change of Plans (C-103A)

**CONDITIONS**

Created By	Condition	Condition Date
pkautz	None	12/21/2021