

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.  
30-025-43454

5. Indicate Type of Lease  
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name  
Neptune 10 State Com

8. Well Number 503H

9. OGRID Number  
7377

10. Pool name or Wildcat  
Triple X; Bone Spring, ~~XXXX~~

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 ☐

OCD - HOBBS

2. Name of Operator  
EOG Resources, Inc.

01/04/2017

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

RECEIVED

4. Well Location  
Unit Letter N : 330 feet from the South line and 2308 feet from the West line  
Section 3 Township 24S Range 33E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3609' GR

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 requests an amendment to our approved APD for this well to reflect a change in casing design.

We are changing the previously approved 2-string design to a 3-string design as attached.

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 01/04/2017

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

For State Use Only

APPROVED BY: P. E. Kuntz TITLE Petroleum Engineer DATE 01/04/2017

Conditions of Approval (if any):

**Revised Permit Information 1/04/17:**

Well Name: Neptune 10 State No. 503H

Location:

SL: 330' FSL &amp; 2308' FWL, Section 10, T-24-S, R-33-E, Lea Co., N.M.

BHL: 230' FNL &amp; 2480' FWL, Section 3, 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 – 1,290'	13.375"	54.5#	J55	LTC	1.125	1.25	1.60
8.75"	0' – 10,600'	7.625"	29.7#	HCP-110	Flushmax III	1.125	1.25	1.60
6.75"	0' – 10,600'	5.5"	23#	HCP110	VamTop HT	1.125	1.25	1.60
6.75"	10,600' – 21,217'	5"	23.2#	T-95	NSCC	1.125	1.25	1.60

**Cement Program:**

Depth	No. Sacks	Wt. ppg	Yld Ft <sup>3</sup> /ft	Slurry Description
1,290'	500	13.5	1.75	Class C + 2% CaCl <sub>2</sub> + 4% Gel + 0.25 pps Celloflake
	200	14.8	1.34	Class C + 2% CaCl <sub>2</sub>
10,600'	475	9.5	3.42	Class C + 9% 4k28 + 10% 8000 + 0.3% 19 + 0.3% 3 + 0.2% GXT-C + 0.2% 24
	120	11	4.31	Class C + 5% Gypsum + 30 pps SFA + 0.4% 503P + 2% 45 + 0.35% 35 + 0.5 pps Phenoseal + 0.5% 19 + 0.1% 20A + 0.1% Citric Acid
	200	14.8	1.37	Class C + 0.2% 19 + 0.15% 3 + 3% MagOx
21,217'	1225	14.4	1.2	50/50 POZ + 0.25% 503P + 0.8% 16A + 0.2% 35 + 0.4% 49 + 0.4% 20A + 0.4% Citric Acid

**Mud Program:**

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,290'	Fresh - Gel	8.6-8.8	28-34	N/c
1,290' – 10,600' Intermediate	Oil Base	9.0-10.0	58-68	3-6
10,600' – 21,217' Lateral	Oil Base	9.0-10.0	58-68	3-6

**EOG Resources**  
**Neptune 10 State Com 503H**  
**Three String Casing Design**  
**01/04/2017**

1. 13-3/8" 54.5# J55 surface casing has been pre-set and cemented at 1290'.
2. Will drill out of the surface casing to Intermediate TD with 8.5 to 9.0 ppg OBM. Hole size will be 8-3/4".
3. Intermediate casing will be run to TD at ~10,600'.
  - a. Will run 7-5/8" 29.7# casing to surface.
4. Once casing is on bottom will pump single stage cement job to surface.
5. Drill out of the Intermediate casing to TD with 8.5 to 9.5 ppg OBM. Hole size will be 6-3/4".
6. Production casing will be run to TD.
  - a. Will run 5-1/2" x 5" OD combination string or a full string of 5" OD casing.
  - b. Most likely will be floated to TD.
7. Once casing is on bottom will pump single stage cement job to tie into Intermediate casing.