

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

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-015-26980
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. K-6385
7. Lease Name or Unit Agreement Name Dee 36 SE State
8. Well Number 6
9. OGRID Number 7377
10. Pool name or Wildcat N. Seven Rivers; Golrieta-Yeso, North

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

104 South Fourth Street, Artesia, NM 88210

4. Well Location

Unit Letter 1 : 1830 feet from the South line and 890 feet from the East line  
Section 36 Township 19S Range 24E NMPM Eddy County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3589' 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, Inc. Plans to plug and abandon this well as follows:

*Perfs @ 2336-2344*

1. POOH with tubing *2290'*
2. Plug bottom: Set CIBP at *2336* ft with 35 ft of CLS C on top. - WOC + Tag
3. Fill hole with plugging mud: Capacity of 97 bbls, 10 ppg brine with 25 pound/barrel gel
4. Plug 9.625" Shoe: Perforate at *1300* ft. Attempt to establish circulation. Spot a 25 SX (142 ft) CLS C cement plug 1158 ft - 1300 ft. This will plug the 9.625 inch casing shoe. WOC and Tag. *Perf @ 1250'*
5. Top Plug: Perforate at 100 ft. Attempt to establish Circulation if circulation was not previously made. Spot a 18 SX (100 ft) CLS C cement plug 0 ft - 100 ft. This will plug the top.
6. RDMO Workover Rig
7. PXA Marker: Cut off wellhead and weld on dry hole marker. Clean location as per regulation.

**Notify OCD 24 hrs. prior to  
any work done**

**ENTERED**  
*1-23-19*

RECEIVED

Spud Date:

Rig Release Date:

JAN 22 2019

DISTRICT II-ARTESIA O.C.D.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

TITLE

Regulatory Specialist

DATE

January 18, 2019

Type or print name

Jeremy Haass

E-mail address:

jeremy\_haass@eogresources.com

PHONE:

575-748-4311

For State Use Only

APPROVED BY:

TITLE

*STAFF*

DATE

*1/23/19*

Conditions of Approval (if any):

### Proposed PXA

9-5/8" cmt with 1480 BX

Perforate at 100 ft. Attempt to establish Circulation if circulation was not previously made. Spot a 18 SX (100 ft) CLS C cement plug 0 ft - 100 ft. This will plug the top.

Perforate at 1300 ft. Attempt to establish circulation. Spot a 25 SX (142 ft) CLS C cement plug 1158 ft - 1300 ft. This will plug the 9.625 inch casing shoe.

Set CIBP at 2336 ft with 35 ft of

Unknown TOC  
7' cmt with 1850 Sxs  
Reported circ to surface  
Est top at 6500'

Perforations	2338 - 2344
	2418 - 2450

140' plug 4110 - 4250 across Abo

15' Plug 5189 - 5336 across Wolf Camp

DV tool @ 5490 ft

CIBP @ 6510' w/ 35' cmt  
Perforations 6560 - 6574

CIBP @ 7650' w/ 35' cmt

Perforations	7718 - 7746
	7755 - 7770
	7782 - 7800

PERO	8,077	MD
10	8,100	MD

100 ft. Attempt to establish Circulation if circulation was not made. Spot a 18 SX (100 ft) CLS C cement plug 0 ft - 100 ft. This top.

[illegible]

CASING DETAIL							
#	SIZE	WGHT	GRADE	THREAD	Top	Bottom	
A	9 5/8	36	K-55		0	1200	
B	7	28	K-55		0	8100	
C							

**Tops:**

Glorieta	2030
Abo	4200
WC	5286
Canyon	7586

**PRESSURE DATA**

BOTTOM HOLE PRESSURE 0843 PSI

Calculated using  $HASP + (0.1 \cdot \text{Top Perf})$

HIGHEST ANTICIPATED PRESSURE	600 PSI
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SICP + 500 PSI Safety Factor

MAXIMUM ALLOWABLE SURFACE PRESS	3000 PSI
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Rating of WH

BOTTOM HOLE TEMPERATURE 90 F

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Prepared by: MJM

Date: 5-Nov-2018

## Dee 36 SE State #6

9-5/8" cmt with 1480 SX

Unknown TOC  
7" cmt with 1650 Sxs  
Reported circ to surface

Perforations 2336 - 2344  
2418 - 2450

140' plug 4110 - 4250 across Abo

15' Plug 5189 - 5336 across Wolf Camp

DV tool @ 5490 ft

CIBP @ 6510' w/ 35' cmt  
Perforations 6560 - 6574

CIBP @ 7650' w/ 35' cmt  
Perforations 7718 - 7746  
7755 - 7770  
7782 - 7800

8,077 MD

8,100 MD

11/5/2018

Tubing								
#	Joints	Description	Length FT	OD in	Grade	Wt (lb/ft)	Top (ftKB)	Botm (ftKB)
1		Tubing	2587.00	2 7/8	L-80	6.4	15	2,602.00
2		Seating Nipple	1.10	2 7/8	L-80	6.4	2602	2,603.10
3		Tubing	4.10	2 7/8	L-80	6.4	2603.1	2,607.20
4		Sand Screen	24.00	2 7/8			2607.2	2,631.20
5		Tubing	31.44	2 7/8	L-80	6.4	2631.2	2,662.70
6		Butt Plug	0.65	2 7/8			2662.7	2,663.30

  

Rods							
#	JTS	Item Desc	Length	OD	Grade	Top	Botm
1	1	Polished Rod	22.00	1 1/4	HS	0.00	30.00
2	45	Sucker Rod	6.00	7/8	D	30.00	36.00
3	50	Sucker rods Norris	1250.00	7/8	D	36.00	1286.00
4	42	Sucker rods Norris	1050.00	3/4	D	1286.00	2336.00
5	10	Sucker rods Norris	250.00	1	D	2336.00	2586.00
	1	25-200-RWHC-16-4	16.00	2		2586.00	2602.00

  

CASING DETAIL						
#	SIZE	WGHT	GRADE	THREAD	Top	Bottom
A	9 5/8	36	K-55		0	1200
B	7	26	K-55		0	8100
C						

  

**Tops:**

Glorieta	2030
Abo	4200
WC	5286
Canyon	7586

  

**PRESSURE DATA**

BOTTOM HOLE PRESSURE 0643 PSI  
Calculated using HASP + (0.1 \* Top Perf)

HIGHEST ANTICIPATED PRESSURE 600 PSI  
SICP + 500 PSI Safety Factor

MAXIMUM ALLOWABLE SURFACE PRESS 3000 PSI  
Rating of WH

BOTTOM HOLE TEMPERATURE 90 F

  

Prepared by: MJM

Date: 5-Nov-2018

## **CONDITIONS FOR PLUGGING AND ABANDONMENT**

### **District II / Artesia N.M.**

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, **Notify NMOCD District Office II at (575)-748-1283 at least 24 hours before beginning work.**

1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs.
2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
3. Trucking companies being used to haul oilfield waste fluids to a disposal – commercial or private – shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.
4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
6. If the well is not plugged within 1
7. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
8. **Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.**
9. Produced water **will not** be used during any part of the plugging operation.
10. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
11. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
12. **Class 'C' cement will be used above 7500 feet.**
13. **Class 'H' cement will be used below 7500 feet.**
14. **A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged**
15. **All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing**

16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set
17. **A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.**
18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, **(WOC 4 hrs and tag).**
19. **No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.**
20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
  - A) Fusselman
  - B) Devonian
  - C) Morrow
  - D) Wolfcamp
  - E) Bone Springs
  - F) Delaware
  - G) Any salt sections
  - H) Abo
  - I) Glorieta
  - J) Yates.
  - K) **Potash---** (In the R-111-P Area (Potash Mine Area), a solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, **WOC 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.**
21. **If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing**

#### **DRY HOLE MARKER REQUIREMENTS**

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least ¼" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

**1. Operator name 2. Lease and Well Number 3. API Number 4. Unit Letter 5. Quarter Section (feet from the North, South, East or West) 6. Section, Township and Range 7. Plugging Date 8. County (SPECIAL CASES)-----AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS**

In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)