

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. 30-025-37979
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. VA-1944
7. Lease Name or Unit Agreement Name Merle BOG State
8. Well Number 7
9. OGRID Number 7377
10. Pool name or Wildcat Lane; Abo, Southeast

<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.)	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator EOG Resources, Inc.	
3. Address of Operator 104 South Fourth Street, Artesia, NM 88210	
4. Well Location Unit Letter <u>J</u> : <u>1980</u> feet from the <u>South</u> line and <u>1650</u> feet from the <u>East</u> line Section <u>14</u> Township <u>10S</u> Range <u>34E</u> NMPM Lea County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4187' 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:

- MIRU all safety equipment as needed. NU BOP. POOH with production equipment.
- Set a CIBP at 8974'. Pressure test. Spot 25 sx Class "H" cement on top of CIBP to 8748'. WOC and tag. This will cover Abo perms.
- Spot a 25 sx Class "H" cement plug from 7835'-7609'. This will cover Abo top.
- Spot a 25 sx Class "C" cement plug from 5570'-5318'. This will cover Glorieta top.
- Perforate at 4257'. Attempt injection rate. Squeeze with 70 sx Class "C" cement from 4257'-4026'. WOC and tag. This will cover casing shoe and San Andres.
- Perforate at 2860'. Attempt injection rate. Squeeze with 40 sx Class "C" cement from 2860'-2728'. WOC and tag. This will cover Yates top.
- Perforate at 480'. Attempt injection rate. Squeeze with 147 sx Class "C" cement from 480' and circulate up to surface. Verify cement at surface. Back fill as needed.
- Cut off wellhead and install dry hole marker. Clean location as per regulated.

Wellbore schematics attached

**LPC Area Below ground marker send pics before backfilling hole**

Spud Date:

Rig Release Date:

**SEE ATTACHED CONDITIONS  
OF APPROVAL**

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

SIGNATURE Tina Huerta TITLE Regulatory Specialist DATE February 23, 2022

Type or print name Tina Huerta E-mail address: tina.huerta@eogresources.com PHONE: 575-748-4168

**For State Use Only**

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 3/11/22

Conditions of Approval (if any): 575-263-6633

Merle BOG State 7 Current

COMMENTS

TOC at 3850' by CBL

Existing Abo Perfs: 9024' - 9048'

A

B

C

PBTD: 9,269 MD

TD: 9,314 MD

Sec-TWN-RNG: 14-10S-34E  
Surface 1980' FSL & 1650' FEL

API: 30-025-37979  
GL: 4178'  
KB: 4196'

CASING DETAIL

#	Hole Size	Csg. Size	Wt.	Grade	Top	Bottom	Sx Cmt	TOC	TOC by
A	14 3/4	11 3/4	42	H-40	0	430	345	Surface	Circ.
B	11	8 5/8	24/32	J-55	0	4207	1280	Surface	Circ.
C	7 7/8	5 1/2	15.5/17	J-55	0	9314	1500	3850	CBL

FORMATION TOPS

	Formation	Top (MD)		Formation	Top (MD)		Formation	Top (MD)	
	Yates	2,810							
	San Andres	4,079							
	Glorieta	5,520							
	Tubb	6,982							
	Abo	7,785							
	Wolfcamp	9,066							

TUBING DETAIL [6.17.10]

Jts	OD	Description	Length						
268	2 7/8"	L-80 tubing	8,725						
1	2 7/8"	Anchor/Catcher	3						
8	2 7/8"	L-80 tubing	260						
1	2 7/8"	Seat Nipple	1						
1	2 7/8"	Perforated Sub	4						
1	2 7/8"	L-80 tubing	32						
1	2 7/8"	Sand Screen	24						
2	2 7/8"	L-80 tubing	64						
1	2 7/8"	Bull Plug	1						

ROD DETAIL [1.9.13]

No.	OD	Description	Length						
1	1 1/2"	Polished Rod	30						
1	1 1/4"	Rod Sub	4						
1	1 1/4"	Rod Sub	8						
1	1 1/4"	Rod Sub	18						
165	1 1/4"	Fiberglass Sucker Rod	6,188						
109	1"	N-97 Sucker Rod	2,725						
1	1 1/4"	25-125-RHBC-34-4	34						

PERFORATION DETAIL

	Formation	Top	Bottom		Formation	Top	Bottom		
	Abo	9,024	9,048						

ADDITIONAL DETAIL

KJP 2/17/2022

Merle BOG State 7 Proposed				Sec-TWN-RNG: 14-10S-34E		API: 30-025-37979			
				Surface		GL: 4178'			
				1980' FSL & 1650' FEL		KB: 4196'			
COMMENTS									
Plug 6: Perf @ 480. 0' - 480'. Verify @ surface. Surface csg shoe + Surface plug									
Plug 5: Perf @ 2860. 2728' - 2860'. WOC & tag. Yates top									
TOC at 3850' by CBL									
Plug 4: Perf @ 4257. 4026' - 4257'. WOC & tag. Intermediate csg shoe + San Andres top									
Plug 3: 5318' - 5570'. Glorieta top									
Plug 2: 7609' - 7835'. Abo top									
Plug 1: CIBP @ 8974. 8748' - 8974'. WOC & tag. Abo perfs Existing Abo Perfs: 9024' - 9048'									

**CONDITIONS OF APPROVAL  
FOR PLUGGING AND ABANDONMENT  
OCD - Southern District**

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 I (Hobbs) at (575)-263-6633 at least 24 hours before beginning work. After MIRU rig will remain on well until it is plugged to surface. OCD is to be notified before rig down.

**Company representative will be on location during plugging procedures.**

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. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
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 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.
7. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
8. Produced water will not be used during any part of the plugging operation.
9. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
10. 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.
11. Class 'C' cement will be used above 7500 feet.
12. Class 'H' cement will be used below 7500 feet.
13. 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
14. 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)

### **SITE REMEDIATION DUE WITHIN ONE YEAR OF WELL PLUGGING COMPLETION**

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**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

COMMENTS

Action 83634

## COMMENTS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 83634
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

## COMMENTS

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM	3/14/2022

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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CONDITIONS  
  
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CONDITIONS

Created By	Condition	Condition Date
kfortner	See attached conditions of approval	3/11/2022