

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. 30-025-38252
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. VA-2133
7. Lease Name or Unit Agreement Name Merle BOJ State Com
8. Well Number 11
9. OGRID Number 7377
10. Pool name or Wildcat X-4 Ranch; Morrow, Atoka/X-4 Ranch; Strawn, East

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 <input type="checkbox"/> Gas Well <input checked="" 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>A</u> : <u>660</u> feet from the <u>North</u> line and <u>660</u> feet from the <u>East</u> line Section <u>11</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 11,651'. Pressure test. Spot 33 sx Class "H" cement on top of CIBP to 11,353'. WOC and tag. This will cover Atoka perfs and top.
- Spot a 25 sx Class "H" cement plug from 9086'-8860'. This will cover Wolfcamp top.
- Spot a 25 sx Class "H" cement plug from 7810'-7584'. This will cover Abo top.
- Perforate at 5543'. Spot 25 sx Class "C" cement from 5543'-5291'. WOC and tag. This will cover Glorieta top.
- Perforate at 4228'. Squeeze with 65 sx Class "C" cement from 4228'-4036'. WOC and tag. This will cover casing shoe and San Andres.
- Perforate at 2846'. Attempt injection rate. Squeeze with 45 sx Class "C" cement from 2846'-2698'. 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 BOJ State Com 11 Current

Sec-TWN-RNG: 11-10S-R34E
Surface 660' FNL & 660' FEL

API: 30-025-38252
GL: 4187'
KB: 4205'

COMMENTS

TOC at ~3500' by Calc.

Existing Atoka Perfs: 11701' - 11747'

PBTD: 12,133 MD
TD: 12,180 MD

CASING DETAIL

#	Hole Size	Csg. Size	Wt.	Grade	Top	Bottom	Sx Cmt	TOC	TOC by
A	17 1/2	13 3/8	48	H-40	0	430	400	Surface	Circ.
B	12 1/4	9 5/8	36/40	J-55	0	4178	1450	Surface	Circ.
C	8 3/4	5 1/2	17	HCP-110	0	12180	2345	3500'	Calc.

FORMATION TOPS

Formation	Top (MD)	Formation	Top (MD)	Formation	Top (MD)
Yates	2,796	Atoka	11,404		
San Andres	4,107	Morrow	11,864		
Glorieta	5,493				
Abo	7,760				
Wolfcamp	9,036				

TUBING DETAIL [5.31.07]

Jts	OD	Description	Length						
352	2 7/8"	L-70 tubing	11,482						
1	4 1/2"	On/off Tool	8						
1	4 3/4"	AS-1 Packer	6						

ROD DETAIL

No rod detail

PERFORATION DETAIL

Formation	Top	Bottom	Formation	Top	Bottom
Atoka	11,701	11,747			

ADDITIONAL DETAIL

Well swabbed on 1/20/17. Initial fluid level - 8500'. Swabbed 15 bbl oil, no water. No final fluid level disclosed.

KJP 2/16/2022

Merle BOJ State Com 11 Proposed	
COMMENTS	
Plug 7: Perf @ 480. 0' - 480. Verify @ surface. Surface csg shoe + Surface plug	A
Plug 6: Perf @ 2846. 2698' - 2846'. WOC & tag. Yates top	
WOC - 3,500' by Calc.	
Plug 5: Perf @ 4228. 4036' - 4228'. WOC & tag. Int csg shoe + San Andres top	B
Plug 4: Perf @ 5543. 5291' - 5543'. WOC & tag. Glorieta top	
Plug 3: 7584' - 7810'. Abo top	
Plug 2: 8860' - 9086'. Wolfcamp top	
Plug 1: CIBP @ 11651. 11425' - 11651'. WOC & tag. Atoka perfs + Atoka top Existing Atoka Perfs: 11701' - 11747'	C
PBTD: 12,133 MD TD: 12,180 MD	

Sec-TWN-RNG: 11-10S-R34E				API: 30-025-38252					
Surface 660' FNL & 660' FEL				GL: 4187'					
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CASING DETAIL									
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	Yates	2,796		Atoka	11,404				
	San Andres	4,107		Morrow	11,864				
	Glorieta	5,493							
	Abo	7,760							
	Wolfcamp	9,036							
PLUGS									
#	SX	Class	Top	Bottom	Δ	Notes		Tag	
1	33	H	11353	11651	298	CIBP at 11651. Pressure test. Spot 33sx. WOC & Tag. Atoka Perfs + Atoka top		Y	
2	25	H	8860	9086	226	Spot 25 sx. Wolfcamp Top.		N	
3	25	H	7584	7810	226	Spot 25 sx. Abo Top		N	
4	25	C	5291	5543	252	Perf @ 5543. Spot 25 sx. WOC & tag. Glorieta Top		Y	
5	65	C	4036	4228	192	Perf at 4228'. Attempt Inj. Sqz 65 sx if injection established. WOC & Tag. Int. Csg. Shoe & SA		Y	
6	45	C	2698	2846	148	Perf at 2846'. Attempt Inj. Sqz 45 sx. WOC & Tag. Yates Top.		Y	
7	147	C	0	480	480	Perf at 480'. Attempt Inj. Sqz 147sx. Verify @ surface. Sur. Csg. Shoe + Surface plug		Y	
PERFORATION DETAIL									
	Formation	Top	Bottom		Formation	Top	Bottom		
	Atoka	11,701	11,747						
ADDITIONAL DETAIL									
Well swabbed on 1/20/17. Initial fluid level - 8500'. Swabbed 15 bbl oil, no water. No final fluid level disclosed.									
KJP 2/16/2022									

**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

District I
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District III
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Phone:(505) 334-6178 Fax:(505) 334-6170
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 83573

COMMENTS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 83573
	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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	Action Number: 83573
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

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