

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. 30-025-37013
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. V-5947
7. Lease Name or Unit Agreement Name Wynona BMW State
8. Well Number 1
9. OGRID Number 7377
10. Pool name or Wildcat Hightower; Morrow, 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 <input type="checkbox"/>	
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>900</u> feet from the <u>North</u> line and <u>660</u> feet from the <u>East</u> line Section <u>20</u> Township <u>12S</u> Range <u>34E</u> NMPM Lea County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4183'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 12,000' with ~~15~~ ²⁵ sX Class "H" cement on top to 11,865'. WOC and tag. This will cover Morrow perfs and top.
- Spot a 25 sX Class "H" cement plug from 11,161'-10,935'. This will cover Strawn top.
- Spot a 25 sX Class "H" cement plug from 9258'-9032'. This will cover Wolfcamp top.
- Spot a 25 sX Class "H" cement plug from 7780'-7554'. This will cover Abo top.
- Spot a 25 sX Class "C" cement plug from 7024'-6772'. This will cover Tubb top.
- Spot a 25 sX Class "C" cement plug from 5604'-5352'. This will cover Glorieta top.
- Perforate at 4234'. Spot a 25 sX Class "C" cement plug from 4234'-3982'. WOC and tag. This will cover casing shoe and San Andres top.
- Perforate at 3730'. Spot a 30 sX Class "C" cement plug from 3730'-3581'. WOC and tag. This will cover TOC.
- Perforate at 2814'. Spot a 40 sX Class "C" cement plug from 2814'-2684'. WOC and tag. This will cover Yates top.
- Perforate at 2080'. Spot a 40 sX Class "C" cement plug from 2080'-1950'. WOC and tag. This will cover Rustler top.
- Perforate at 477'. Spot a 35 sX Class "C" cement plug from 477'-362'. WOC and tag. This will cover casing shoe.
- Perforate at ~~50~~ ¹⁵⁰ sX Spot ~~15~~ ¹⁰⁰ sX Class "C" cement from 50' up to surface. Backfill as needed.
- Cut off wellhead and install dry hole marker. Clean location as per regulated.

SEE ATTACHED CONDITIONS
OF APPROVAL

Wellbore schematics attached.

4" diameter 4' tall Above Ground Marker

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 Tina Huerta TITLE Regulatory Specialist DATE June 2, 2021

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 6/28/21

Conditions of Approval (if any):

Wynona BMW State 1 Current

Plug 12: Surface Plug

Plug 11: Casing Shoe

Plug 10: Rustler Top

Plug 9: Yates Top

Plug 8: TOC

Plug 7: Casing Shoe + San Andres Top

Plug 6: Glorieta Top

Plug 5: Tubb Top

Plug 4: Abo Top

Plug 3: Wolfcamp Top

Plug 2: Strawn Top

Plug 1: CIBP + Morrow Perfs + Morrow Plug

Perf A

PBTD: 12,239 MD

TD: 12,239 MD

C

Sec-TWN-RNG:	Sec. 20-12S-34E
FOOTAGES:	900'FNL & 660'FEL

API:	30-025-37013
GL:	4184
KB:	

CASING DETAIL

[illegible]

FORMATION TOPS

[illegible]

Perforation Detail	
1	2
3	4
5	6
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77	78
79	80
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89	90
91	92
93	94
95	96
97	98
99	100

	Formation	Top	Bottom		Treatment			
A	Morrow	12,100	12,130		Frac w/753 bbls fluid 135 tons CO2 and 60000# 20/40			
					Versaprop			

Plugs

#	SX	Class	Top	Bottom	Δ	Notes	Tag
1	15x 25	H	11865	12000	135	Morrow Perfs + Morrow Top	Y
2	25	H	10935	11161	226	Strawn Top	N
3	25	H	9032	9258	226	Wolfcamp Top	N
4	25	H	7554	7780	226	Abo Top	N
5	25	C	6772	7024	252	Tubb Top	N
6	25	C	5352	5604	252	Glorieta Top	N
7	25	C	3982	4234	252	Casing Shoe + San Andres Top	Y
8	30	C	3581	3730	149	TOC	Y
9	40	C	2684	2814	130	Yates Top	Y
10	40	C	1950	2080	130	Rustler Top	Y
11	35	C	362	477	115	Casing Shoe	Y
12	100 1xx	C	0	30x	50	Surface Plug	Y
				150			

Prepared by: Hiram C 5/27/21

**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, woe 4 hours and tag, this plug will be SO' 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, woe and tagged. These plugs will be set SO' below formation bottom to 50' above formation top inside the casing.

DRY HOLE MARKER REQ.UIRMENTS

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 1/4" 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:

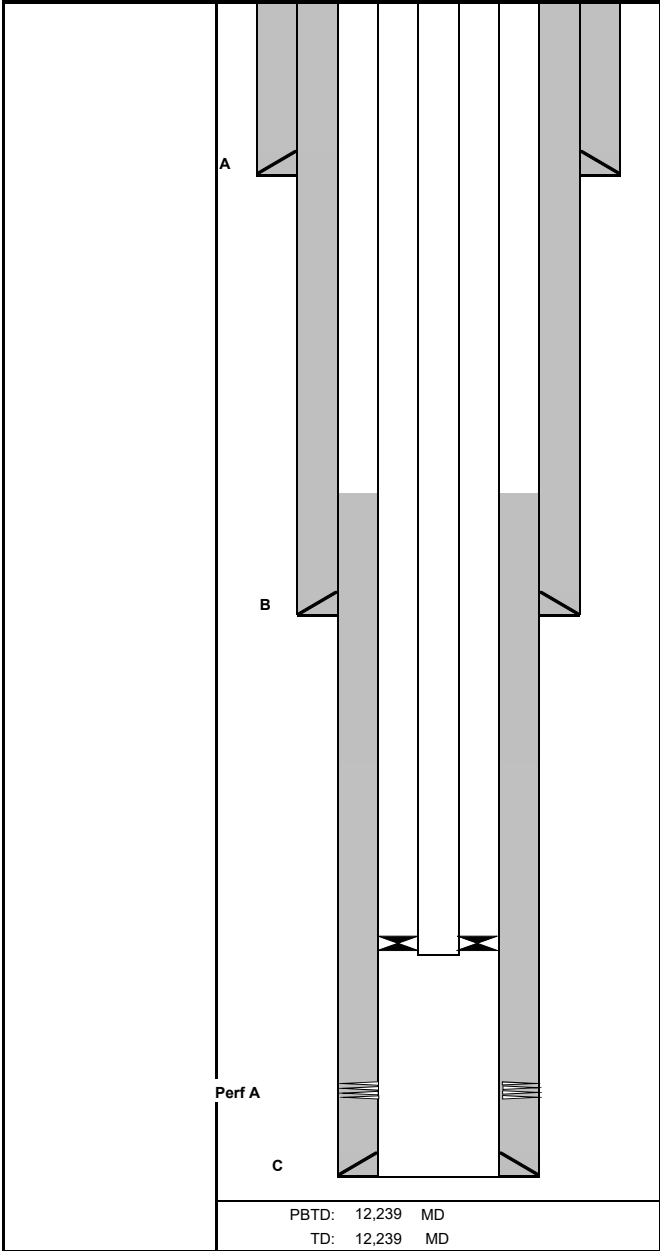
1. Operator name
2. Lease and Well Number
3. API Number
4. Unit letter
5. Quarter Section (feet from the North, South, East or West)
6. Section, Township and Range
7. Plugging Date
8. County

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

Wynona BMW State 1 Current



Sec-TWN-RNG:		Sec. 20-12S-34E		API: 30-025-37013					
FOOTAGES:		900'FNL & 660'FEL		GL: 4184					
				KB:					
CASING DETAIL									
#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	17 1/2	13 3/8	48		0	427	440	Circulated	
B	12 1/4	9 5/8	36/40		0	4,184	1620	Circulated	Topped Off
C	8 3/4	5 1/2	17		0	12,239	2310	3680	Calculated
FORMATION TOPS									
		Formation	Top			Formation	Top		
		Rustler	2030			Wolfcamp	9208		
		Yates	2764			Strawn	11111		
		San Andres	4090			Morrow	11955		
		Glorieta	5554						
		Tubb	6974						
		Abo	7730						
									</

Plug 12: Surface Plug

Plug 11: Casing Shoe

Plug 10: Rustler Top

Plug 9: Yates Top

Plug 8: TOC

Plug 7: Casing Shoe + San Andres Top

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PBTD: 12,239 MD

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		Yates	2764			Strawn	11111	
		San Andres	4090			Morrow	11955	
		Glorieta	5554					
		Tubb	6974					
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Prepared by: Hiram C 5/27/21

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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 30370

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 30370
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kfortner	See attached conditions of approval Note changes to procedure	6/28/2021