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

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

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-33969	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No. VA-0621	
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	7. Lease Name or Unit Agreement Name Mescalero ARL State
	8. Well Number 1
2. Name of Operator EOG Resources, Inc.	9. OGRID Number 7377
3. Address of Operator 104 South Fourth Street, Artesia, NM 88210	10. Pool name or Wildcat Mescalero; Upper Penn, North
4. Well Location Unit Letter P : 330 feet from the South line and 330 feet from the East line Section 2 Township 10S Range 32E NMPM Lea County	
	11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 4230'GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☒	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			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:

1. MIRU all safety equipment as needed. NU BOP. POOH with production equipment.
2. Set a CIBP at 8618' with 25 sx Class "C" cement on top to 8381'. WOC and tag. This will cover Bough perfs.
3. Spot a 25 sx Class "H" cement plug from 8240'-8003'. This will cover Wolfcamp top.
4. Perforate at 7560'. Spot a 46 sx Class "H" cement plug from 7560'-7380'. WOC and tag. This will cover TOC.
5. Perforate at 7113'. Spot a 39 sx Class "C" cement plug from 7113'-6943'. WOC and tag. This will cover Abo top.
6. Perforate at 4820'. Spot a 35 sx Class "C" cement plug from 4820'-4670'. WOC and tag. This will cover Glorieta top.
7. Perforate at 3428'. Spot a 33 sx Class "C" cement plug from 3428'-3288'. WOC and tag. This will cover San Andres top.
8. Perforate at 2995'. Spot a 31 sx Class "C" cement plug from 2995'-2865'. WOC and tag. This will cover Intermediate casing shoe and Queen top.
9. Perforate at 2190'. Spot a 28 sx Class "C" cement plug from 2190'-2070'. WOC and tag. This will cover Yates top.
10. Perforate at 1609'. Spot a 28 sx Class "C" cement plug from 1609'-1489'. WOC and tag. This will cover Rustler top.
11. Perforate at 455'. Spot a 26 sx Class "C" cement plug from 455'-345'. WOC and tag. This will cover Surface casing shoe.
12. Perforate at ~~50'~~ XXX. Spot a ~~12~~ XX sx Class "C" cement plug from 50' up to surface. Backfill as needed. **P&S 150' @ 50 sx Class C cement Circ to surface**
13. 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

SEE ATTACHED CONDITIONS OF APPROVAL

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 May 13, 2021

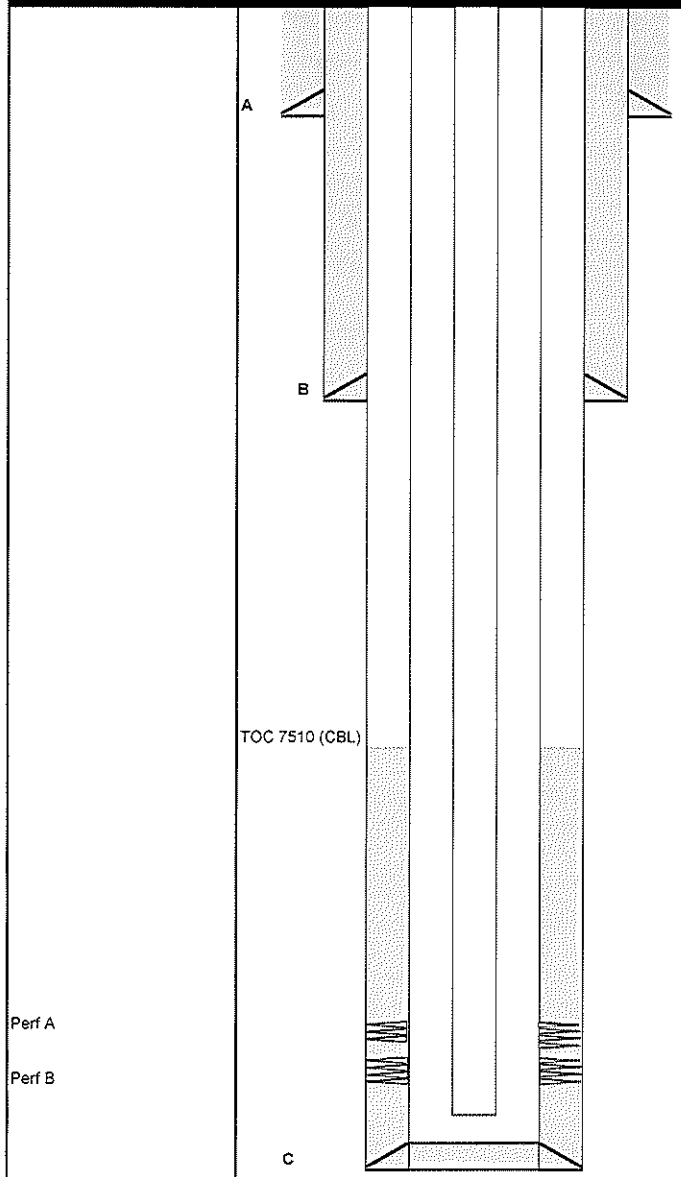
Type or print name Tina Huerta E-mail address: tina_huerta@eogresources.com PHONE: 575-748-4168

For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 6/16/21

Conditions of Approval (if any):

Mescalero ARL State #1 Current



PBTD: 9,482 MD
TD: 9,535 MD

Sec-TWN-RNG:	Sec. 2-10S-32E	API:	30-025-33969
FOOTAGES:	330' FSL & 330' FEL	GL:	4230
		KB:	4242

CASING DETAIL

#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	14 3/4	11 3/4	42	H40	0	405	300	Circ	
B	11	8 5/8	32	J55	0	2,995	1200	Circ	
C	7 7/8	5 1/2	20/17	80/S95/L8	0	9,535	300	7510	CBL

FORMATION TOPS

Formation	Top	Formation	Top
Rustler	1559		
Yates	2140		
Queen	2946		
SA	3378		
Glorieta	4770		
Abo	7063		
WC	8190		
Bough C	8706		
Cisco	9452		

TUBING DETAIL

#	Joints	Description	Length	OD	ID	Grade	Wt (lb/ft):	Top (ftKB):	Btm (ftKB):
		2 875 packer @ 9425							

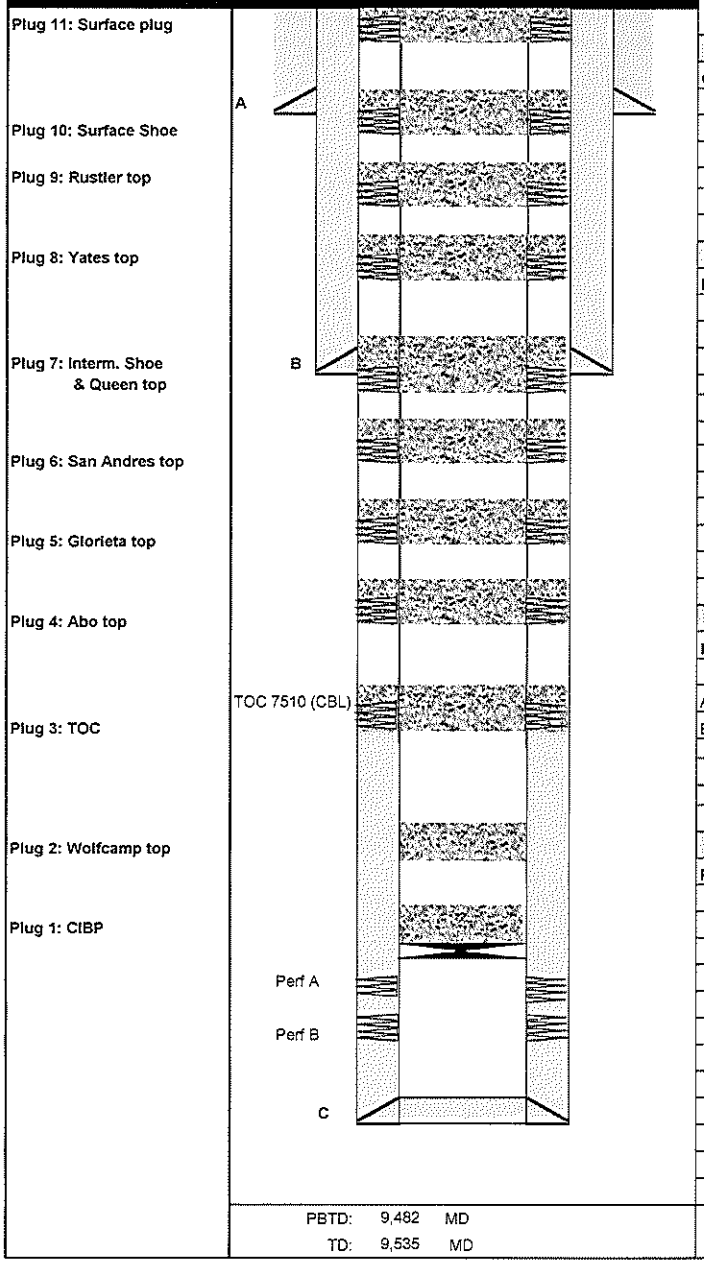
Note: 5.5" 20# casing from TD to ~7058'

Perforation Detail

	Formation	Top	Bottom		Treatment
A	Bough B	8,668	8,684		Acidized w/2400g 15% iron control HCL acid & ball sealers
B	Bough C	8,718	8,728		Acidized w/2400g 15% iron control HCL acid & ball sealers

DKC 2/24/21

Mescalero ARL State #1 Proposed



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C	7 7/8	5 1/2	20/17	I80/S95/L8	0	9,535	300	7510	CBL
		Note: Top of 5.5" 20# casing ~7058'							

FORMATION TOPS

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Plugs

#	SX	Class	Top	Bottom	Δ	Notes	Tag
1	25	H	8,381	8,618	237	CIBP	Y
2	25	H	8003	8,240	237	Wolfcamp top	N
3	46	H	7380	7560	180	TOC plug	Y
4	39	C	6943	7113	170	Abo top	Y
5	35	C	4670	4820	150	Glorieta top	Y
6	33	C	3288	3428	140	San Andres top	Y
7	31	C	2865	2995	130	Interm. Shoe + Queen top	Y
8	28	C	2070	2190	120	Yates top	Y
9	28	C	1489	1609	120	Rustler top	Y
10	26	C	345	455	110	Surface shoe	Y
11	12	C	0	50	50	Surface plug	N

Prepared by: Jeremiah M.

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 least¼" 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
1625 N. French Dr., Hobbs, NM 88240
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District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
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

CONDITIONS

Action 28075

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 28075
	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	6/16/2021