

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

Form C-103
 Revised July 18, 2013

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

WELL API NO. 30-025-29515
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. V-1412
7. Lease Name or Unit Agreement Name East Bagley AHK State
8. Well Number 1
9. OGRID Number 7377
10. Pool name or Wildcat Bagley; Penn, 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 checked="" type="checkbox"/> Gas Well <input 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>G</u> : <u>1980</u> feet from the <u>North</u> line and <u>1980</u> feet from the <u>East</u> line Section <u>6</u> Township <u>12S</u> Range <u>34E</u> NMPM Lea County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4204' 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 as a result of a casing/wellhead integrity issue discovered near the surface on 8/19/2021. In order to eliminate risk of fluids or gas reaching the surface without means to control we are respectfully requesting emergency approval to commence operations on 8/20/2021.

- MIRU all safety equipment as needed. NU BOP. POOH with production equipment.
- Spot a 53 sx Class "H" cement plug from 10,339'-9860'. WOC and tag. This will cover Ranger Lake, Bough C, Bough B and Bough A tops.
- Set a CIBP at 9906 ft with 35 sx Class "H" cement on top to 9589'. WOC and tag. This will cover 3 brothers top and Penn perfs.
- Spot a 25 sx Class "H" cement plug from 9228'-9002'. This will cover Wolfcamp top.
- Spot a 25 sx Class "H" cement plug from 7781'-7555'. This will cover Abo top.
- Spot a 36 sx Class "C" cement plug from 7000'-6706'. This will cover Tubb top and TOC.
- Perforate at 5556'. Spot a ~~35~~ 33 sx Class "C" cement plug from 5556'-5396'. WOC and tag. This will cover Glorieta top. **50 sx**
- Perforate at 4269'. Spot a ~~35~~ 33 sx Class "C" cement plug from 4269'-4118'. WOC and tag. This will cover casing shoe. **50 sx**
- Perforate at 4114'. Spot a ~~35~~ 33 sx Class "C" cement plug from 4114'-3963'. WOC and tag. This will cover San Andres top. **50 sx**
- Perforate at 2810'. Spot a ~~35~~ 33 sx Class "C" cement plug from 2810'-2680'. WOC and tag. This will cover Yates top. **50 sx**
- Perforate at 2101'. Spot a ~~35~~ 32 sx Class "C" cement plug from 2101'-1971'. WOC and tag. This will cover Anhy top. **50 sx**
- Perforate at ~~53~~ 53 Spot a ~~15~~ 15 sx Class "C" cement plug from 53' up to surface. Back fill as needed. **P&S 100 sx Class C 150'**
- Cut off wellhead and install dry hole marker. Clean location as per regulated.

Wellbore schematics attached.

4" diameter 4' tall Above Ground Marker

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 August 19, 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 8/19/21

Conditions of Approval (if any):

East Bagley AHK State 1 Current

Perf A

Perf B

Perf C

Sqz'd perms 10320-10330 100
sx Class H

PBTD: 10,406 MD

TD: 10,450 MD

Sec-TWN-RNG:		Sec. 6-12S-34E		API: 30-025-29515					
FOOTAGES:		1980' FNL & 1980' FEI		GL: 4205					
				KB: 16.4					
CASING DETAIL									
#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	17 1/2	13 3/8	61	J-55	0	416	400	Circ	
B	11	8 5/8	24/32	J-55	0	4,219	1150	Circ	
C	7 7/8	5 1/2	17/20	N-80	0	10,450	475	6765	Calculated
Tubing Detail									
#	Joints	Description	Length	OD	ID	Grade	Wt (lb/ft):	Top (ftKB):	Btm (ftKB):
1	0	0	0					0	0
2	0	0	0	2 7/8	2.441	L-80	6.5	0	0
3	0	0	0	2 7/8	2.441	L-80	6.5	0	0
4	0	0	0	2 7/8	2.441	L-80	6.5	0	0
5	0	0	0	2 7/8		L-80	6.5	0	0
6	0	0	0	2 7/8	2.441	L-80	6.5	0	0
7	0	0	0	2 7/8	2.441	L-80	6.5	0	0
8	0	0	0	2 7/8	2.441	L-80	6.5	0	0
Rod Detail									
#	Joints	Description	Length	OD		Grade	Wt (lb/ft):	Top (ftKB):	Btm (ftKB):
1	0	0	0					0	0
2	0	0	0	1.5				0	0
3	0	0	0	0.875		HS		0	0
4	0	0	0	0.875		HS		0	0
5	0	0	0	0.75		HS		0	0
6	0	0	0	1.25		HS		0	0
Perforation Detail									
	Formation	Top	Bottom		Treatment				
A	Penn	9,956	9,960		Acidized w/1500g 15% NEFE acid.				
B	Penn	9,991	9,993		Acidized w/1500g 15% NEFE acid. Re-acidized w/4000g. West Pad, 10000g. Series 72 type 20 acid				
C	Ranger	10,320	10,330		Acidized w/2500g 15% NEFE acid & ball sealers				
	1/15/1986 Squeezed perms 10320-30 to 4000# with bbls cmt. Reversed out 12 bbls cmt.								
MJM 4/7/2021									

East Bagley AHK State 1 Proposed

Plug 11: Surface plug

Plug 10: Anhy top

Plug 9: Yates top

Plug 8: SA top

Plug 8: Casing shoe

Plug 7: Glorieta top

Plug 6: Tubb top + TOC plug

Plug 5: Abo top

Plug 4: WC top

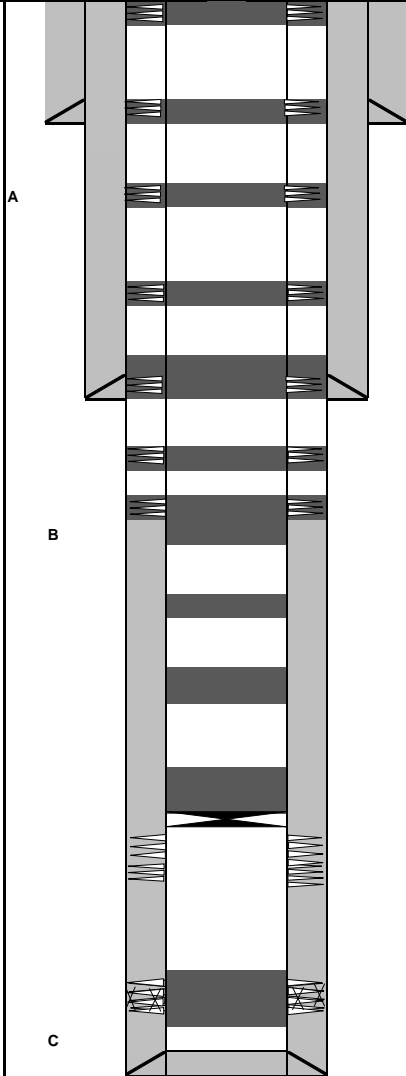
Plug 2: CIBP + 3 Brothers top + Penn Perfs

Perf A

Perf B

Plug 1: Ranger Lake top + Bough C top Bough B top + Bough A top

Perf C: Sqz'd perfs 10320-10330 100 sx Class H



PBTD: 10,406 MD

TD: 10,450 MD

Sec-TWN-RNG: Sec. 6-12S-34E
FOOTAGES: 1980' FNL & 1980' FEL

API: 30-025-29515
GL: 4205
KB:

CASING DETAIL

#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	17 1/2	13 3/8	61	J-55	0	416	400	Circ	
B	11	8 5/8	24/32	J-55	0	4,219	1150	Circ	
C	7 7/8	5 1/2	17/20	N-80	0	10,450	475	6765	Calculated

FORMATION TOPS

	Formation	Top	Formation	Top
	Anhy	2051	Ranger lake	10289
	Yates	2760		
	SA	4064		
	Glorieta	5506		
	Tubb	6950		
	Abo	7731		
	WC	9178		
	3 Brothers	9649		
	Bough A	9911		
	Bough B	9972		
	Bough C	10048		

Perforation Detail

	Formation	Top	Bottom	Treatment
A	Penn	9,956	9,960	Acidized w/1500g 15% NEFE acid.
B	Penn	9,991	9,993	Acidized w/1500g 15% NEFE acid. Re-acidized w/4000g. West Pad, 10000g. Series 72 type 20 acid
C	Ranger	10,320	10,330	Acidized w/2500g 15% NEFE acid & ball sealers

Plugs

#	SX	Class	Top	Bottom	Δ	DESCRIPTION	Tag
1	53	H	9860	10339	479	Ranger Lake + Bough C top + Bough B top + Bough A top	Y
2	35	H	9589	9906	317	Plug 2: CIBP + 3 Brothers + Penn Perfs	Y
3	25	H	9002	9228	226	WC top	N
4	25	H	7555	7781	226	Abo top	N
5	36	C	6706	7000	294	Tubb top + TOC Plug	Y
6	37	C	5396	5556	160	Glorieta top	Y
7	37	C	4118	4269	151	Casing shoe	Y
8	37	C	3963	4114	151	SA top	Y
9	32	C	2680	2810	130	Yates top	Y
10	32	C	1971	2101	130	Anhy top	Y
11	13	C	0	53	53	Surface Plug	Y

Prepared by: Naomi F 3/18/21

**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

District I
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District II
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District III
1000 Rio Brazos Rd., Aztec, NM 87410
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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

CONDITIONS

Action 43379

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 43379
	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	8/19/2021