

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. 30-025-00004
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. VA-2165
7. Lease Name or Unit Agreement Name Dwight AZI State
8. Well Number 1
9. OGRID Number 7377
10. Pool name or Wildcat Flying M; Abo, South

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>P</u> : <u>660</u> feet from the <u>South</u> line and <u>660</u> feet from the <u>East</u> line Section <u>15</u> Township <u>9S</u> Range <u>32E</u> NMPM <u>Lea</u> County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4332'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 8770' with 38 sx Class "H" cement on top to 8460'. WOC and tag. This will cover Penn perfs and top.
- Set a CIBP at 8100'. Pressure test. Spot 25 sx Class "H" cement on top of CIBP to 7890'. WOC and tag. This will cover Abo perfs.
- Perforate at 7230'. Attempt injection rate. Squeeze with 34 sx Class "C" cement from 7230'-7050'. WOC and tag. This will cover Abo top.
- Perforate at 4910'. Attempt injection rate. Squeeze with 28 sx Class "C" cement from 4910'-4760'. WOC and tag. This will cover Glorieta top.
- Perforate at 3600'. Attempt injection rate. Squeeze with 52 sx Class "C" cement from 3600'-3410'. WOC and tag. This will cover casing shoe and San Andres top.
- Perforate at 2320'. Attempt injection rate. Spot 48 sx Class "C" cement from 2320'-2150'. WOC and tag. This will cover Yates and B Salt tops.
- Perforate at 1690'. Attempt injection rate. Squeeze with 34 sx Class "C" cement from 1690'-1570'. WOC and tag. This will cover TOS.
- Perforate at 390'. Attempt injection/circulation. Squeeze with 110 sx Class "C" cement from 390' and circulate up to 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 January 19, 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 2/11/22

Conditions of Approval (if any):

575-263-6633

Sec-TWN-RNG:	Sec. 15-9S-32E	API:	30-025-00004
FOOTAGES:	660' FSL & 660' FEL	GL:	4332
		KB:	

#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	17 1/2	13 3/8	36		0	338	275	Circ	
B	12 1/4	8 5/8	24		0	353	175	Circ	
	12 1/4	8 5/8	32		353	3550	1500	Circ	Temp Survy
C	7 7/8	5 1/2	17		0	6600	610	5170	CBL
	7 7/8	5 1/2	17/20		6600	11085	900	7050	CBL

[illegible]

#	Joints	Description	Length	OD	ID	Grade	Wt (lb/ft)	Top (ftKB)	Btm (ftKB)
		2 8.75 @ 9.485'							

Oct-73	P&A well - Cut off 5 1/2 csg @ 6600' and 8 5/8 csg @ 600' & spotted plugs out of the hole		
Apr-02	Re-entered - plugs drilled out and tied back inot 8 5/8 & 5 1/5 csg and cmt'd (see Casing Detail)		
May-09	CIBP @ 10240 w/ 35' cmt. Perf Penn @ 9111-9242 & 8821-32 & Abo @ 8294-8310 & 8151-56		

	Formation	Top	Bottom		Treatment				
A	Abo	8,151	8,156	Acidized w/1000g 15% NEFE & 15 balls					
	Abo	8,294	8,310	Acidized 1500g 15% NEFE & 48 balls					
B	U Penn	8,821	8,832	Acidized 1000g 15% NEFE & 28 balls					
	U Penn	9,111	9,118	Acidized w/500g 15% NEFE & 25 balls					
	U Penn	9,221	9,242	Acidized w/2000g 15% NEFE & 55 balls					
C	Atoka	10,260	10,288						

JE 1/19/22

PBTD:	10,730	MD
TD:	11,125	MD

TOC @ 5500 by CBL

TOC @ 7650 by CBL

Abo Perfs 8151-8310

Penn Perfs 8821-9242

CIBP @ 10240 w/35' cmt

Perf C

5/10/02 - set CIBP @ 10765 & 35' cmt

5/10/02- set CIBP 10' off bottom & 35' cmt

Dwight AZI State 1 Proposed

Plug 8: Perf @ 390. 0-390. Verify @ surface. Surface plug

Plug 7: Perf @ 1690. 1570-1690. WOC & tag. TOS

Plug 6: Perf @ 2320. 2150-2320. WOC & tag. Yates top + B Salt

Plug 5: Perf @ 3600. WOC & tag. 8 5/8" csg shoe + San Andres top

TOC @ 5500 by CBL

Plug 4: Perf @ 4910. 4760-4910. WOC & tag. Glorieta top

Plug 3: Perf @ 7230. 7050-7230. WOC & tag. Abo top

TOC @ 7650 by CBL

Plug 2: CIBP @ 8100. Pressure test. 7890-8100. WOC & tag. Abo perfs

Abo Perfs 8151-8310

Plug 1: CIBP @ 8770. 8460-8770. WOC & tag. Penn perfs + Penn top

Penn Perfs 8821-9242

Existing CIBP @ 10240 w/35' cmt

Atoka Perfs 10260-10288

Existing CIBP @ 10765 & 35' cmt

Existing CIBP 10' off bottom & 35' cmt

PBTD: 10,730 MD
TD: 11,125 MD

Sec-TWN-RNG: Sec. 15-9S-32E
FOOTAGES: 660' FSL & 660' FEL

API: 30-025-00004
GL: 4332
KB:

CASING DETAIL

#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	17 1/2	13 3/8	36		0	338	275	Circ	
B	12 1/4	8 5/8	24		0	353	175	Circ	
	12 1/4	8 5/8	32		353	3550	1500	Circ	Temp Survy
C	7 7/8	5 1/2	17		0	6600	610	5170	CBL
	7 7/8	5 1/2	17/20		6600	11085	900	7050	CBL

FORMATION TOPS

	Formation	Top		Formation	Top
	T Salt	1637		Glorieta	4860
	B Salt	2177		Abo	7183
	Yates	2267		Penn	8517
	San Andres	3473		Devonian	11082

TUBING DETAIL

#	Joints	Description	Length	OD	ID	Grade	Wt (lb/ft)	Top (ftKB)	Btm (ftKB)
		2 8.75 @ 9,485'							

Additional Detial

Oct-73	P&A well - Cut off 5 1/2 csg @ 6600' and 8 5/8 csg @ 600' & spotted plugs out of the hole	
Apr-02	Re-entered - plugs drilled out and tied back inot 8 5/8 & 5 1/5 csg and cmt'd (see Casing Detail)	
May-09	CIBP @ 10240 w/ 35' cmt. Perf Penn @ 9111-9242 & 8821-32 & Abo @ 8294-8310 & 8151-56	

Perforation Detail

	Formation	Top	Bottom		Treatment				
A	Abo	8,151	8,156	Acidized w/1000g 15% NEFE & 15 balls					
	Abo	8,294	8,310	Acidized 1500g 15% NEFE & 48 balls					
B	U Penn	8,821	8,832	Acidized 1000g 15% NEFE & 28 balls					
	U Penn	9,111	9,118	Acidized w/500g 15% NEFE & 25 balls					
	U Penn	9,221	9,242	Acidized w/2000g 15% NEFE & 55 balls					
C	Atoka	10,260	10,288						

#	SX	Class	Top	Bottom	Δ	Notes	Tag
1	38	H	8460	8770	310	CIBP @ 8770. Spot 38sx. WOC & tag. Penn perfs + Penn top	Y
2	25	H	7890	8100	210	CIBP @ 8100. Pressure test. Spot 25sx. WOC & tag. Abo perfs	Y
3	34	C	7050	7230	180	Perf @ 7230. Attempt Inj. Sqz 34sx. WOC & tag. Abo top	Y
4	28	C	4760	4910	150	Perf @ 4910. Attempt Inj. Sqz 28sx. WOC & tag. Glorieta top	Y
5	52	C	3410	3600	190	Perfs @ 3600. Attempt Inj. Sqz 52sx/ WOC & tag. 8 5/8" csg shoe + San Andres top	Y
6	48	C	2150	2320	170	Perf @ 2320. Attempt Inj. Spot 48sx. WOC & tag. Yates top + B salt	Y
7	34	C	1570	1690	120	Perf @ 1690'. Attempt Inj. Sqz 34sx. WOC & tag. TOS	Y
8	110	C	0	390	390	Perf @ 390' Attempt Inj. Circ. Sqz 110sx. Verify @ Surface. Surface plug	Y

JE 1/19/22

**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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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 73635

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 73635
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kfortner	See attached conditions of approval	2/11/2022