

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. 30-015-28412
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Thomas AJJ
8. Well Number 6
9. OGRID Number 025575
10. Pool name or Wildcat Dagger Draw; Upper Penn, North

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 AMENDED		7. Lease Name or Unit Agreement Name Thomas AJJ
2. Name of Operator EOG Resources, Inc.		8. Well Number 6
3. Address of Operator 104 South Fourth Street, Artesia, NM 88210		9. OGRID Number 025575
4. Well Location Unit Letter <u>I</u> : <u>1980</u> feet from the <u>South</u> line and <u>660</u> feet from the <u>East</u> line Section <u>8</u> Township <u>19S</u> Range <u>25E</u> NMPM <u>Eddy</u> County		10. Pool name or Wildcat Dagger Draw; Upper Penn, North
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3535'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: ☐

Notify OCD 24 hrs. prior to any work done

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. POOH with production equipment.
2. Spot a 30 sx Class "C" cement plug from 7130'-6951'. This will cover Cisco top.
3. Spot a 30 sx Class "C" cement plug from 6152'-5973'. This will cover DV tool. WOC and tag.
4. Spot a 28 sx Class "C" cement plug from 5520'-5353'. This will cover Wolfcamp top.
5. Spot a 25 sx Class "C" cement plug from 4690'-4541'. This will cover Abo top.
6. Spot a 25 sx Class "C" cement plug from 2082'-1933'. This will cover Glorieta top.
7. Perforate at 1200'. Spot a 25 sx Class "C" cement plug from 1200'-1051'. This will cover Casing shoe. WOC and tag.
8. Spot a 25 sx Class "C" cement plug from 660'-511'. This will cover San Andres top.
9. Spot a 10 sx Class "C" cement plug from 55' up to surface. WOC and tag.
10. Cut off wellhead, install dry hole marker and clean location.

Wellbore schematics attached

Spud Date:

Rig Release Date:

****SEE ATTACHED COA's****

MUST BE PLUGGED BY 5/3/2022

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 April 27, 2021

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

For State Use Only

APPROVED BY: [Signature] TITLE Staff Manager DATE 5/3/2021

Conditions of Approval (if any):

CONDITIONS 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 II at (575)-748-1283 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

API: 30-015-28412	
GL: 3535	
KB:	

[illegible][illegible][illegible][illegible]

Prepared by: Hiram C

P8TD:	2,867	MD
TD:	2,900	MD

Thomas AJJ #6 Proposed

Plug 8: Surface Plug

Plug 7: San Andres Top

Plug 6: Casing Shoe

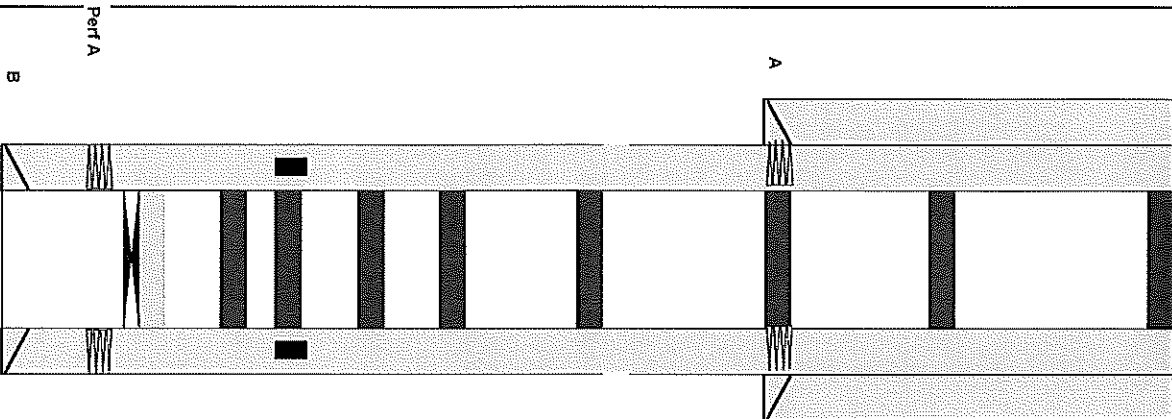
Plug 5: Glorieta Top

Plug 4: Abo Top

Plug 3: Wolfcamp Top

Plug 2: DV Tool

Plug 1: Cisco Top



Sec-TWN-RNG: Sec. 8-19S-25E
FOOTAGES: 1980'FSL & 660'FEL

API: 30-015-28412
GL: 3535
KB:

CASING DETAIL

#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	SX Cmt	Circ/TOC	TOC Method
A	14 3/4	9 5/8	36	J-55	0	1,150	1300	Circ	
B	8 3/4	7	23 & 26	N-80	0	8,235	1150	Circ	

FORMATION TOPS

	Formation	Top	Formation	Top
	San Andres	610		
	Glorieta	2032		
	Abo	4640		
	Wolfcamp	5470		
	Cisco	7080		
	Canyon	7625		

DV Tool @ 6,102'

CIBP @ 7700' w/25 SX Cmt to 7577'

Perforation Detail

Formation	Top	Bottom	Treatment
A Canyon	7,759	7,824	Acidize w/ 2500 gals 20% NEFE acid and ball sealers.

Plugs

#	SX	Class	Top	Bottom	Δ	Notes	Tag
1	30	C	6,951	7130	179	Cisco Top	N
2	30	C	5973	6152	179	DV Tool	Y
3	28	C	5353	5520	167	Wolfcamp Top	N
4	25	C	4541	4690	149	Abo Top	N
5	25	C	1933	2082	149	Glorieta Top	N
6	25	C	1051	1200	149	Casing Shoe	Y
7	25	C	511	660	149	San Andres Top	N
8	10	C	0	55	55	Surface Plug	Y

Prepared by: Hiram C 4/26/2021

PBTD: 2,867 MD
TD: 2,900 MD

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CONDITIONS

Action 25708

CONDITIONS OF APPROVAL

Operator:	EOG RESOURCES INC	P.O. Box 2267	Midland, TX79702	OGRID:	7377	Action Number:	25708	Action Type:	C-103F
OCD Reviewer									Condition
gcordero									None