

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.
30-015-33148
5. Indicate Type of Lease
STATE [ ] FEE [x]
6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
7. Lease Name or Unit Agreement Name
Clarence BCU
8. Well Number
1
9. OGRID Number
7377
10. Pool name or Wildcat
Pecos River; Morrow/Wildcat; Atoka
11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3332'GR

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

NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK [ ] PLUG AND ABANDON [x]
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:

2a. CIBP @ 7620 - Dump bail 35' CI H cmt - WOC & tag

- 1. MIRU all safety equipment as needed. NU BOP. POOH with production equipment.
2. Spot a 25 sx Class "H" cement plug from 7990'-7628'. WOC and tag. This will cover Chester top and Morrow perf. 25 sx cmt
3. Set a CIBP at 7484' with 4 sx Class "C" cement on top to 7434'. This will cover Atoka perfs. WOC & tag
4. Spot a 25 sx Class "C" cement plug from 7293'-6915'. This will cover Strawn top.
5. Spot a 25 sx Class "C" cement plug from 6511'-6133'. This will cover Upper Penn top.
6. Spot a 25 sx Class "C" cement plug from 5609'-5231'. This will cover Wolfcamp top.
7. Spot a 25 sx Class "C" cement plug from 4453'-4075'. This will cover Abo top.
8. Spot a 25 sx Class "C" cement plug from 3728'-3350'. This will cover L Yeso and Tubb top.
9. Spot a 25 sx Class "C" cement plug from 2329'-1951'. This will cover U Yeso and Glorieta top.
10. Perforate at 1262'. Spot a 28 sx Class "C" cement plug from 1262'-851'. This will cover intermediate casing shoe and San Andres top.
11. Perforate at 574' with 50 sx Class "C" cement plug from 574' up to surface. This will cover surface casing shoe and will be surface plug. Backfill as needed. Perf @ 435'
12. Cut off wellhead and install dry hole marker. Clean location as per regulated.

Wellbore schematics attached.

Spud Date: [ ]

Rig Release Date: [ ]

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

Must be plugged by 6/11/2022

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 June 10, 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 6/11/2021
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:

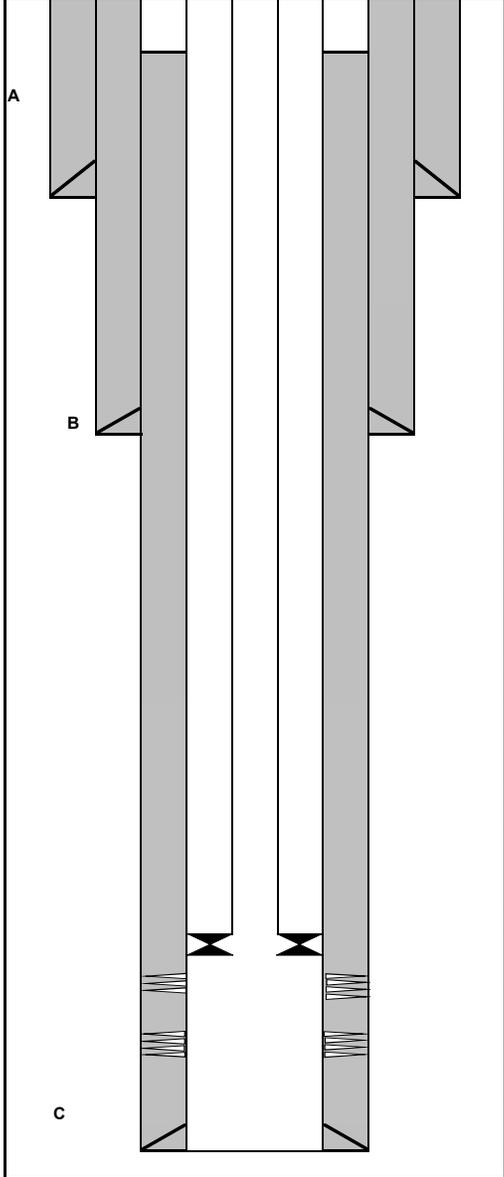
**1. Operator name 2. Lease and Well Number 3. API Number 4. Unit Letter 5. Quarter Section (feet from the North, South, East or West) 6. Section, Township and Range 7. Plugging Date 8. County (SPECIAL CASES)-----AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS**

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

# Clarence BCU 1 Current

Sec-TWN-RNG: Sec. 14-16S-26E API: 30-015-33148  
 FOOTAGES: 800'FNL & 660'FWL GL: 3332  
 KB: 3350



Perf B

Perf A

PBTD: 7,990 MD  
 TD: 8,000 MD

CASING DETAIL									
#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	17 1/2	13 3/8	48	H-40	0	385	440	Circ	
B	12 1/4	9 5/8	36	J-55	0	1,212	644	Circ	
C	8 3/4	4 1/2	11.6	P-110	0	8,000	2245	50'	CBL

FORMATION TOPS									
	Formation	Top		Formation	Top				
	San Andres	901		Chester	7806				
	Glorieta	2081							
	U Yeso	2279							
	Tubb	3536							
	L Yeso	3678							
	Abo	4264							
	Wolfcamp	5420							
	U Penn	6322							
	Strawn	7104							
	Atoka	7459							
	Morrow	7636							

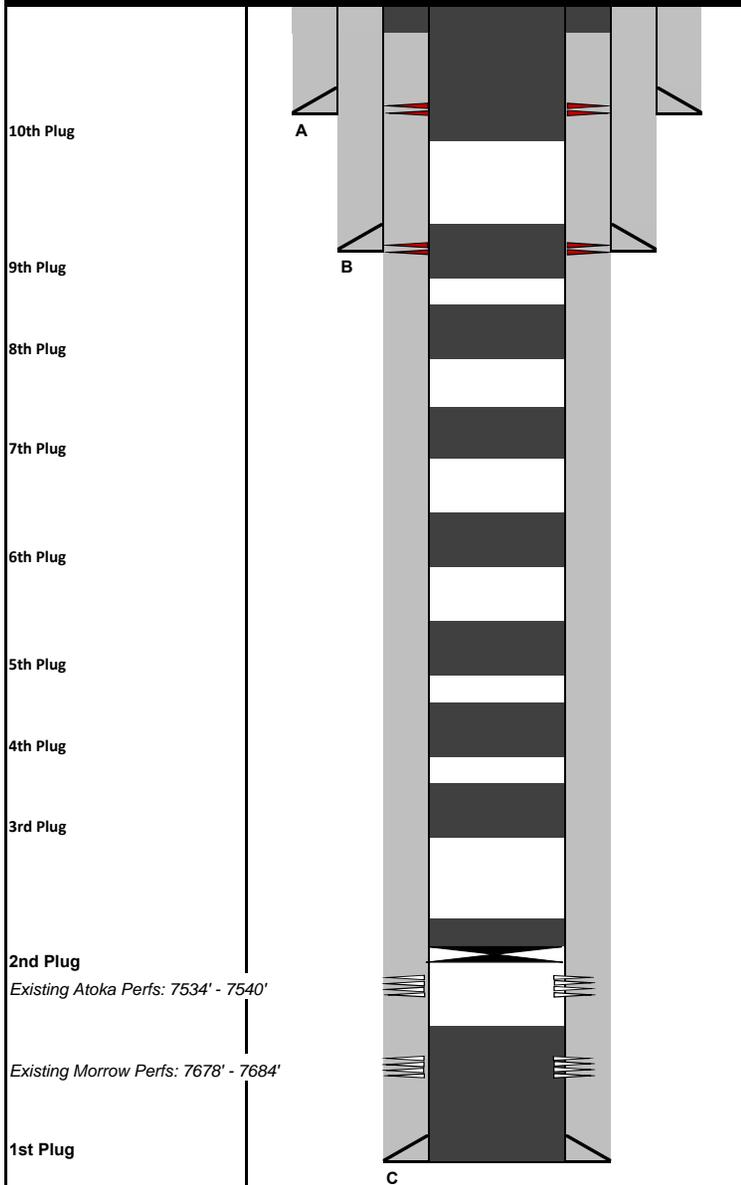
#	Joints	Description	Length	OD	ID	Grade	Wt (lb/ft)	Top (ftKB)	Btm (ftKB)
		2-3/8" Tubing and packer						7,460	

WELL IS COMMINGLED ATOKA AND MORROW 3/05

Perforation Detail									
	Formation	Top	Bottom	Treatment					
A	Morrow	7,678	7,684	Acidize w/1000g 7-1/2% MSA with 56 ball sealers					
B	Atoka	7,534	7,540	Acidize w/1000g 7-1/2% MSA and 56 bbls					
				Frac 7534-7540 and 7678-7684 w/51,000g CO2 Medallion frac					
				w/38,000# 20/40 Super DC sand + 1000g 7-1/2% HCL					

Prepared by: TH

# Clarence BCU 1 Proposed



PBTD: 7,990 MD  
TD: 8,000 MD

Sec-TWN-RNG:	Sec. 14-16S-26E	API:	30-015-33148
FOOTAGES:	800'FNL & 660'FWL	GL:	3332
		KB:	3350

### CASING DETAIL

#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	17 1/2	13 3/8	48	H-40	0	385	440	Circ	
B	12 1/4	9 5/8	36	J-55	0	1,212	644	Circ	
C	8 3/4	4 1/2	11.6	P-110	0	8,000	2245	50'	CBL

### FORMATION TOPS

Formation	Top	Formation	Top	Formation	Top
San Andres	901	Abo	4264	Morrow	7636
Glorieta	2081	Wolfcamp	5420	Chester	7806
U Yeso	2279	U Penn	6322		
Tubb	3536	Strawn	7104		
L Yeso	3678	Atoka	7459		

### TUBING DETAIL

#	Joints	Description	Length	OD	ID	Grade	Wt (lb/ft):	Top (ftKB):	Btm (ftKB):
		2-3/8" Tubing and packer						7,460	

### PLUGS

#	SX	Class	Top	Bottom	Δ	Notes	Tag
1	27	H	7628	7990	362	Chester Top & Morrow Perfs	Y
2	4	C	7434	7484	50	Atoka Perfs	N
3	25	C	6915	7293	378	Strawn Top	N
4	25	C	6133	6511	378	U Penn Top	N
5	25	C	5231	5609	378	Wolfcamp Top	N
6	25	C	4075	4453	378	Abo Top	N
7	25	C	3350	3728	378	L Yeso & Tubb Top	N
8	25	C	1951	2329	378	U Yeso & Glorieta Top	N
9	28	C	851	1262	411	Int. Csg. Shoe & San Andres Top	Y
10	50	C	0	574	574	Sur. Csg. Shoe & Sur. Plug	Y

### PERFORATION DETAIL

Formation	Top	Bottom	Formation	Top	Bottom
Morrow	7,678	7,684			
Atoka	7,534	7,540			

### ADDITIONAL DETAIL

Prepared by: KJP

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720

**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 31303

**CONDITIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 31303
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

**CONDITIONS**

Created By	Condition	Condition Date
gcordero	None	6/11/2021