

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. 30-015-27047
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Julie
8. Well Number 2
9. OGRID Number 7377
10. Pool name or Wildcat N. Seven Rivers; Glorieta-Yeso
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3538'GR

**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

2. Name of Operator  
EOG Resources, Inc.

3. Address of Operator  
104 South Fourth Street, Artesia, NM 88210

4. Well Location  
 Unit Letter B : 660 feet from the North line and 1980 feet from the East line  
 Section 17 Township 19S Range 25E NMPM Eddy County

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

<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: <input type="checkbox"/>	<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>
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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.

**Notify OCD 24 hrs. prior to any work done.**

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 2298' with 35' Class "C" cement on top.
- Spot a 25 sx Class "C" cement plug from 2135'-1993'. WOC and tag. This will plug Glorieta.
- Perforate at 1250'. Attempt to establish circulation. Spot a 25 sx Class "C" cement plug from 1250'-1108'. WOC and tag plug. This will plug the 9-5/8" casing shoe.
- Spot a 25 sx Class "C" cement plug from 688'-546'. WOC and tag plug. This will plug the San Andres.
- Spot a 10 sx Class "C" cement plug from 57' up to surface. WOC and tag plug. **20 sx @ 100'**
- Cut off wellhead, install dry hole marker and clean location.

Wellbore schematics attached

**RECEIVED**

SEP 04 2019

\* See Attached COAs

must be plugged by 9/9/20

DISTRICT II-ARTESIA O.C.D.

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 September 4, 2019

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 mg. DATE 9/5/19

Conditions of Approval (if any):

*[Handwritten initials]*

## Julie #2

### Proposed P&A

**COMMENTS**

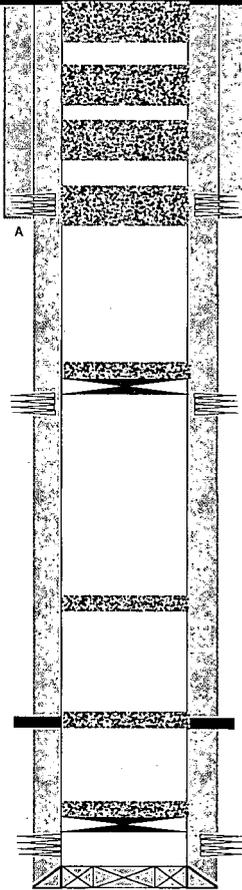
Est TOC @ surf

Perfs  
2348 - 2620

Cement Plug  
3810 - 3647

Cement plug  
5558 - 5376  
Dv @ 5508

CIBP @ 7695'  
Perfs 7740-7812



Plug

5

4

3

2

1

**Plugs**

- 1 Set CIBP at 2298 ft with 35 ft of CLS C on top.
- 2 Spot a 25 SX (142 ft) CLS C cement plug 1993 ft - 2135 ft. WOC & Tag Plug. This will plug the Glorieta.
- 3 Perforate at 1250 ft. Attempt to establish Circulation. Spot a 25 SX (142 ft) CLS C cement plug 1108 ft - 1250 ft. WOC & Tag Plug.
- 4 Spot a 25 SX (142 ft) CLS C cement plug 546 ft - 688 ft. WOC & Tag Plug. This will plug the San Anders.
- 5 Spot a 10 SX (57 ft) CLS C cement plug 0 ft - 57 ft. WOC & Tag Plug. This will plug the Top.

**CASING DETAIL**

#	SIZE	WGHT	Grade	Top	Bottom	Cmt	TOC
A	9 5/8	36		0	1200	1000 sxs C	Circ to Surf
B	7	23 & 26		0	8200	Stg2: 1050 Lite	Circ to surf

**Formations**

San Anders	638						
Glorieta	2085						
Tubb	2657						
Abo	3760						
Wolfcamp	5485						
Penn	7255						
Canyon	7650						

Prepared by: MJM

Date: 4-Sep-2019

FROM MD  
TO 8,000 MD

**Julie #2**

5/10/2017

**COMMENTS**

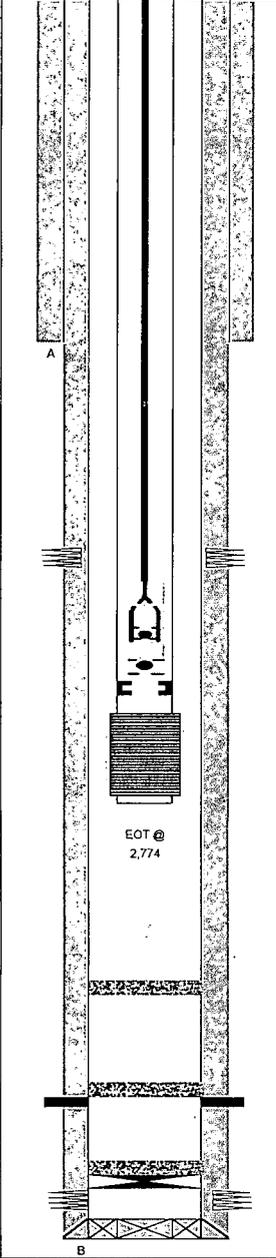
Est TOC @ surf

Perfs  
2348 - 2620

Cement Plug  
3810 - 3647

Cement plug  
5558 - 5376  
Dv @ 5508

CIBP @ 7895'  
Perfs 7740-7812



466	1/4
945	1
1232	3/4
1711	3/4
2206	3/4
2697	1
3196	1-1/2
3690	2-1/4
3923	4-1/4
4045	3-3/4
4110	3-3/4
4173	3-1/2
4234	3
4324	3-1/4
4326	3-1/2
4390	3-1/2
4507	3-1/2
4614	3-1/2
4731	4-1/4
4864	4-3/4
4927	4-3/4
4988	4-1/4
5031	4-1/4
5113	4-1/4
5176	4
5239	4
5301	4-1/4
5390	4
5455	3-1/2
5549	3-1/4
5674	3
5831	2-3/4
6141	2
6639	2-1/2
7013	3
7513	1-3/4
8000	2-1/4

**Tubing**

#	Component	Name	Count	Length	Top MD	Bot MD	Description
1	KB	KB	1	18	0	18	0 0 KB
2	Tubing	Tubing	71	2304.11	18	2322.11	2.875 6.5 J-55 2.441 Tubing
3	Tubing Anchor	5.5 x 2 7/8" TAC	1	3	2322.11	2325.11	5.5 0 2.441 Tubing Anchor
4	Tubing	Tubing	10	324.58	2325.11	2649.69	2.875 6.5 J-55 2.441 Tubing
5	Seating Nipple		0	1	2649.69	2650.69	2.875 6.5 1.813 Seating Nipple
6	Mechanical Seat Nipple	Mechanical Seat Nipple	1	1	2650.69	2651.69	0 0 0 Mechanical Seat Nipple
7	Sand Screen	Sand Screen	1	24	2651.69	2675.69	2.875 0 2.441 Sand Screen
8	Tubing	Tubing	3	97.47	2675.69	2773.16	2.875 6.5 J-55 2.441 Tubing
9	Bull Plug	2-7/8" Bull Plug	1	1	2773.16	2774.16	2.875 0 0 Bull Plug

**Rods**

#	Component	Name	# Items	Length	Top MD	Bot MD	Description
1	KB	KB	1	18	0	18	0 KB
2	Polished Rod	Polished Rod	1	20	18	38	1.5 Polished Rod
3	Pony Rod	Norris 90	1	8	38	46	1 DS 120000 Pony Rod
4	Rod	Norris 90	94	2350	46	2396	1 DS 120000 Rod
5	K-Bar Stabilizer		0	10	2396	2646	1.5 K-Bar Stabilizer
	Pump	Pump	1	16	2646	2662	2 1/2" X 2" X 16" RHBC-HVR

**Ancillary**

1							
2							

**CASING DETAIL**

#	SIZE	WGHT	Grade	Top	Bottom	Cmt	TOC
A	9 5/8	36		0	1200	1000 sxs C	Circ to Surf
B	7	23 & 26		0	8200	Stg 1: 700 H Stg 2: 1050 Lite	Circ to surf

**Formations**

Formation	MD
San Anders	638
Glorieta	2085
Tubb	2657
Abo	3760
Wolfcamp	5485
Penn	7255
Canyon	7650

Prepared by: MJM

Date: 4-Sep-2019

PTD MD  
TD 8,000 MD

## CONDITIONS FOR PLUGGING AND ABANDONMENT

### District II / Artesia N.M.

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.**

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.
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 the well is not plugged within 1
7. 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.
8. **Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.**
9. Produced water **will not** be used during any part of the plugging operation.
10. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
11. 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.
12. **Class 'C' cement will be used above 7500 feet.**
13. **Class 'H' cement will be used below 7500 feet.**
14. **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**
15. **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 REQUIRMENTS**

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)