

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

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.)		WELL API NO. 30-015-23445
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator EOG Resources, Inc.		6. State Oil & Gas Lease No. LG-1270
3. Address of Operator 104 South Fourth Street, Artesia, NM 88210		7. Lease Name or Unit Agreement Name State JM Com
4. Well Location Unit Letter M : 660 feet from the South line and 1050 feet from the West line Section 25 Township 18S Range 24E NMPM Eddy County		8. Well Number 2
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3673' GR		9. OGRID Number 7377
		10. Pool name or Wildcat Penasco Draw; Permo Penn

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

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

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.

1. MIRU all safety equipment as needed. NU BOP. POOH with production equipment.
2. Set CIBP at 6606 ft with 35 ft of CLS H on top.
3. Spot a 25 SX (323 ft) CLS H cement plug 6151 ft - 6474 ft. WOC & Tag Plug. This will plug the Cisco.
4. Perforate at 5206 ft. Attempt to establish Circulation or spot I/O. Requires 25 SX (362 ft) CLS C cement plug 4844 ft - 5206 ft. WOC & Tag Plug. This will plug the Wolfcamp
5. Perforate at 4068 ft. Attempt to establish Circulation or spot I/O. Requires 38 SX (140 ft) CLS C cement plug 3928 ft - 4068 ft. WOC & Tag Plug. This will plug the Abo
6. Perforate at 2030 ft. Attempt to establish Circulation or spot I/O. Requires 33 SX (120 ft) CLS C cement plug 1910 ft - 2030 ft. WOC & Tag Plug. This will plug the Glorieta
7. Perforate at 1399 ft. Attempt to establish Circulation or spot I/O. Requires 31 SX (113 ft) CLS C cement plug 1286 ft - 1399 ft. WOC & Tag Plug. This will plug the Shoe
8. Perforate at 678 ft. Attempt to establish Circulation or spot I/O. Requires 29 SX (106 ft) CLS C cement plug 572 ft - 678 ft. WOC & Tag Plug. This will plug the San Anders
9. Perforate at 145 ft. Attempt to establish Circulation or spot I/O. Requires 10 SX (145 ft) CLS C cement plug 0 ft - 145 ft. WOC & Tag Plug. This will plug the Top
10. Cut off wellhead and weld on dry hole marker. Clean location as per regulation.

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 Jeremy Haass TITLE Regulatory Specialist DATE November 12, 2019

Type or print name Jeremy Haass E-mail address: jeremy\_haass@eogresources.com PHONE: 575-748-4311

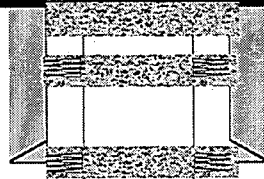
For State Use Only

APPROVED BY: [Signature] TITLE State Reg. DATE 11/12/19

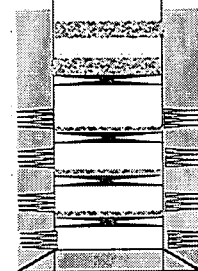
# STATE JM COM #002

Sec-TWN-RNG: P-25-18S-24E API: 30-015-23445  
 FOOTAGES: 660 FSL 660 FEL GL: 3656  
 Proposed KB:

## COMMENTS



B



C

PBTD: 8,956 MD  
 TD: 9,100 MD TVD

Perforations  
 6656-6659  
 CIBP 6900 with 35' cmt  
 7004-7020  
 7401-7434  
 CIBP 7800 with 35' cmt  
 8232-8239  
 CIBP 8300 with 35' cmt  
 8405-8479

## CASING DETAIL

#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	17 1/2	13 3/8	48			347	375	Circ	
B	12 1/4	8 5/8	25			1088	1349	1" to top	
	7 7/8	4.5	10.5 & 11.6			9100	1000	6105	CBL

## FORMATION TOPS

	Formation	Top							
0.875	Miss	8900	Plugged						
	Chester	9784	Plugged						
	Morrow	8528	Plugged						
	Atoka	8330	Plugged						
	Strawn	7765	Plugged						
	Canyon	7455	Plugged						
	Penn	6604							
	Cisco	6424							
	Wolfcamp	5156							
	Abo	4018							
	Glorieta	1980							
	San Anders	628							

## Plugs

1	Set CIBP at 6606 ft with 35 ft of CLS H on top.
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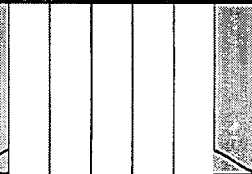
# STATE JM COM #002

Sec-TWN-RNG: P-25-18S-24E  
FOOTAGES: 660 FSL 660 FEL

API: 30-015-23445  
GL: 3656  
KB:

## COMMENTS

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## CASING DETAIL

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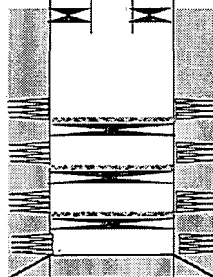
## FORMATION TOPS

	Formation	Top							
0.875	San Anders	628							
	Glorieta	1980							
	Abo	4018							
	Wolfcamp	5156							
	Cisco	6424							
	Penn	6604							
	Canyon	7455							
	Strawn	7765							
	Atoka	8330							
	Morrow	8528							
	Chester	8784							
	Miss	8900							

## TUBING DETAIL

#	Joints	Description	Length	OD	ID	Grade	Wt (lb/ft)	Top (ftKB)	Btm (ftKB)
1		2.375" Tubing	6619						
2		Packer	6619						

Perforations  
6656-6659  
CIBP 6900 with 35' cmt  
7004-7020  
7401-7434  
CIBP 7800 with 35' cmt  
8232-8239  
CIBP 8300 with 35' cmt  
8405-8479



C

PBTD: 8,956 MD  
TD: 9,100 MD TVD

## 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)