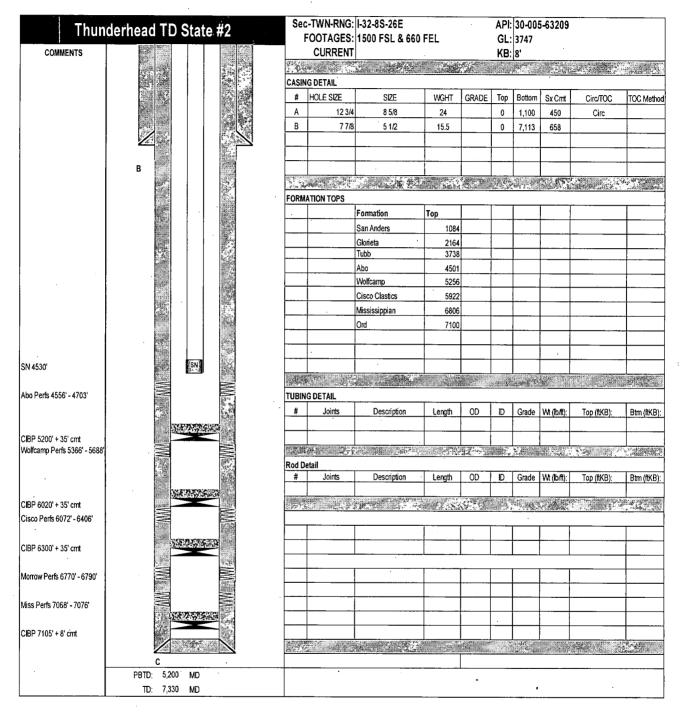
Submit <sup>1</sup> Copy To Appropriate District State of New Mexico	Form C-103
District I – (575) 393-6161 Energy, Minerals and Natural Re 1625 N. French Dr., Hobbs, NM 88240	esources Revised July 18, 2013 WELL API NO.
$\underline{\text{District II}} = (575) 748 - 1283 $	ISION 30-005-63209
<u>District III</u> – (505) 334-6178 1220 South St. Francis D	5 Indicate Type of Lease
1000 Rio Brazos Rd., Aztec, NM 87410         Santa Fe, NM 87505           District IV - (505) 476-3460         Santa Fe, NM 87505           1220 S. St. Francis Dr., Santa Fe, NM         97505	6. State Oil & Gas Lease No. LG-2621
87505 SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BAC DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUC	
PROPOSALS.)         1. Type of Well: Oil Well         Gas Well         Other	2
2. Name of Operator EOG Resources, Inc.	9. OGRID Number 7377
3. Address of Operator 104 South Fourth Street, Artesia, NM 88210	10. Pool name or Wildcat
4. Well Location	Pecos Slope; Abo
	e and <u>660</u> feet from the <u>East</u> line
Section 32 Township 8S Range	26E NMPM Chaves County
11. Elevation (Show whether DR, RKB, 3747'GR	RI, GR, etc.)
	· · ·
12. Check Appropriate Box to Indicate Nature	of Notice, Report or Other Data
NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK □ PLUG AND ABANDON ☑ REM	SUBSEQUENT REPORT OF:
	EDIAL WORK   ALTERING CASING  MENCE DRILLING OPNS.  P AND A
PULL OR ALTER CASING DULTIPLE COMPL CASI	NG/CEMENT JOB
OTHER: OTH	
<ol> <li>Describe proposed or completed operations. (Clearly state all pertiner of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For proposed completion or recompletion.</li> </ol>	Multiple Completions: Attach wellbore diagram of
EOG Resources, Inc. plans to plug and abandon this well as follows:	Notify OCD 24 hrs. prior to any work done.
1. MIRU all safety equipment as needed. NU BOP. POOH with production equipmen 2. Set a CIBP at 4506' with 35' Class "C" cement on top. $-\omega \otimes c + 7a_{3}$ 3. Perforate at 3788'. Attempt to establish circulation or spot a 48 sx Class "C" in/out Tubb. $-\omega \otimes c + 7a_{3}$ 4. Perforate at 2214'. Attempt to establish circulation or spot a 44 sx Class "C" in/out Glorieta. $-\omega \otimes c + 7a_{3}$	cement plug from 3788'-3658'. WOC and tag. This will cover
5. Perforate at 1150'. Attempt to establish circulation or spot a 31 sx Class "C" in/out Andres and 8-5/8" casing shoe. $-\omega \circ - + T \sim s$	cement plug from 1150'-1025'. WOC and tag. This will plug San
6. Perforate at 100'. Attempt to establish circulation or spot a 28 sx Class "C" in/out c	ement plug from 100' up to surface.
<ol> <li>Back fill and 1" as needed on surface plug.</li> <li>Cut off wellhead and weld on dry hole marker. Clean location as per regulated.</li> </ol>	NM OIL CONSERVATION
Wellbore schematics attached	ARTESIA DISTRICT OCT <b>172019</b>
Spud Date: Rig Release Date:	RECEIVED
	NECHARD
I hereby certify that the information above is true and complete to the best of n	ny knowledge and belief.
	DATE October 16, 2019
	rta@eogresources.com PHONE: <u>575-748-4168</u>
For State Use Only	<i>J</i> <b>J</b>
APPROVED BY:	Mg- DATE 10/21/19
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	Thunderhead TD State #2			Sec-TWN-RNG: I-32-8S-26E FOOTAGES: 1500 FSL & 660 FEL					API: 30-005-63209 GL: 3747'					
	COMMENTS		***********	CURRENT	CONTRACTOR AND AND A		2007 - 2014 - 1-1-1-10000	KB:	8'	**************************************	-			
	Plug 5					Sale		den an						
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			#. A	HOLE SIZE 12 3/4	SIZE 8 5/8	WGHT 24	GRADE	Top 0	1,100	Sx Cmt 450	Circ/TOC Circ	TOC Method		
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					Formation San Anders	<b>Top</b> 1084						-		
					Glorieta	2164								
	Plug 3				Tubb	3738								
					Abo	4501								
					Wolfcamp	5256		<u> </u>	<u> </u>					
	Plug 2				Cisco Clastics	5922								
	i nug z				Mississippian Ord	6806	<u> </u>	$\vdash$				-		
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			Rod De	etail			,			1				
			#	Joints	Description	Length	OD	D	Grade	Wt (lb/ft):	Top (ftKB):	Btm (ftKB):		
				Alternational de	C. State Part	Al anna an a				Lizekai				
			Plugs	<u>A.</u>	. XF BERGER A.S.	stan. 1999 - A.	o", Receiper,	.a	MC.L.		E FERRETRY			
				Set CABP @ 4505" with 3	5' of class C on top.									
					olish circulation or spot a 48sx in	lout plug from 3788'-	- 3658' coverin	g the top of	the Tubb.					
			3	Perforate at 2214. Estab	lish circulation of spot a 44sx in/	out plug from 2214' -	2094' covering	g the top of 1	the Glorieta.					
				•	lish circulation or spot a 31 sxs i				covering the to	p of the San An	dres and the 8 5/8" casin	g shoe.		
			5	Perforate at 100', Establi	sh circulation or spot a 28 sx ins	ide/outside plug from	100' to surface	e.						
		THE REAL PROPERTY OF THE PROPE	$\left  - \right $											
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										1.95 J.S.C.	P <sup>3</sup> <sup>w</sup>			
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## 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 name2. Lease and Well Number3.API Number4. Unit Letter5. QuarterSection (feet from the North, South, East or West)6. Section, Township and Range7. Plugging Date8. 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)