

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM9402
2. Name of Operator EOG Y RESOURCES INC		6. If Indian, Allottee or Tribe Name
Contact: TINA HUERTA E-Mail: tina_huerta@eogresources.com		7. If Unit or CA/Agreement, Name and/or No. SRM1494 NM 72095
3a. Address 104 S 4TH STREET ARTESIA, NM 88210	3b. Phone No. (include area code) Ph: 575-748-4168	8. Well Name and No. COTTONWOOD KI FEDERAL COM 1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 17 T16S R25E NWSE 1980FSL 1980FEL		9. API Well No. 30-015-22856-00-S1
		10. Field and Pool or Exploratory Area COTTONWOOD DRAW
		11. County or Parish, State EDDY COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

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 6724 ft with 35 ft Class H cement on top.
- Spot a 25 sx Class H cement plug from 6500 ft - 6287 ft. WOC and tag. This will plug Lower Canyon.
- Spot a 25 sx Class H cement plug from 6124 ft - 5911 ft. WOC and tag. This will plug Canyon.
- Spot a 25 sx Class C cement plug from 5845 ft - 5607 ft. WOC and tag. This will plug Cisco.
- Spot a 25 sx Class C cement plug from 4855 ft - 4647 ft. WOC and tag. This will plug Wolfcamp.
- Perforate at 3854 ft. Attempt to establish circulation or spot a 37 sx Class C cement plug from 3854 ft - 3716 ft. WOC and tag. This will plug Abo.
- Perforate at 1670 ft. Attempt to establish circulation or spot a 32 sx Class C cement plug from

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**GC 11/6/19
Accepted for record - NMOCD

4905-4705

RECEIVED

14. I hereby certify that the foregoing is true and correct.		NOV 05 2019
Electronic Submission #483878 verified by the BLM Well Information System For EOG Y RESOURCES INC, sent to the Carlsbad Committed to AFMSS for processing by PRISCILLA PEREZ on 09/18/2019 (19PP33858)		DISTRICT//ARTESIA/O.C.D.
Name (Printed/Typed) TINA HUERTA	Title REGULATORY SPECIALIST	
Signature (Electronic Submission)	Date 09/18/2019	

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>James A. Jones</u>	Title <u>SAFT</u>	Date <u>10-27-19</u>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office <u>CFO</u>

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

78

Additional data for EC transaction #483878 that would not fit on the form

32. Additional remarks, continued

1670 ft - 1554 ft. WOC and tag. This will plug Glorieta.

9. Perforate at 960 ft. Attempt to establish circulation or spot a 25 sx Class C cement plug from 960 ft - 722 ft. WOC and tag. This will plug 8-5/8 inch casing shoe.

10. Spot a 25 sx Class C cement plug from 616 ft - 378 ft. WOC and tag. This will plug San Andres.

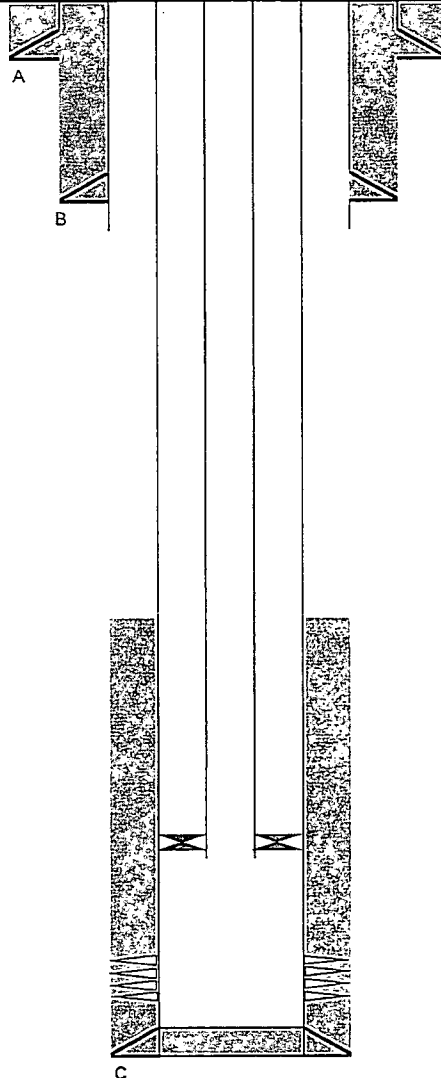
11. Spot a 10 sx Class C cement plug from 95 ft up to surface. WOC and tag.

12. Cut off wellhead and install dry hole marker. Clean location as per regulated.

Wellbore schematics attached

COTTONWOOD KI FEDERAL COM #1

COMMENTS



PBTD: 6,948 MD
TD: 7,400 MD TVD

Sec-TWN-RNG: J-17-16S-25E
FOOTAGES: 1980 FSL 1980 FEL

API: 30-015-22856
GL: 3542
KB:

CASING DETAIL

#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	17 1/2	13 3/8	48		0	340	350	Circ.	
B	12 1/4	8 5/8	24	J55	0	910	750	Circ	
C	7 7/8	5.5	17-15.5	K55	0	7400	650	4790	TS

FORMATION TOPS

	Formation	Top							
	SA	546							
	CI	1620							
	ABO	3804							
	WC	4805							
	Cisco	5795							
	Cyn	6450							
	Chaster	6952							

TUBING DETAIL

#	Joints	Description	Length	OD	ID	Grade	Wt (lb/ft)	Top (ftKB)	Btm (ftKB)
1		2.375"	6826						
1		Guiberson Univ VI RBP	6732						

Rod Detail

#	Joints	Description	Length	OD	ID	Grade	Wt (lb/ft)	Top (ftKB)	Btm (ftKB)
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Perf	6774	76							
Perf	6868	74							
Perf	7045	51							
Perf	7137	7319							

Perfs

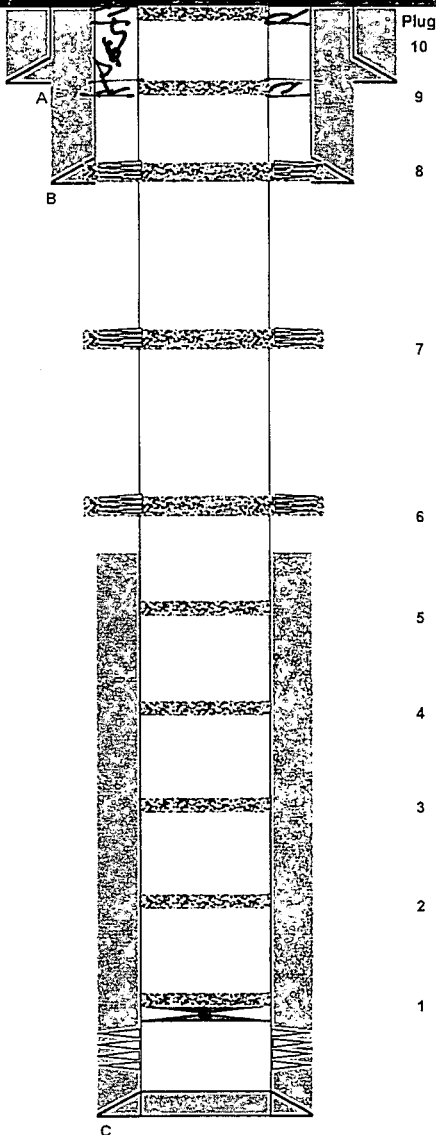
6774' - 6874'

COTTONWOOD KI FEDERAL COM #1

Sec-TWN-RNG: J-17-16S-25E
FOOTAGES: 1980 FSL 1980 FEL
Proposed P&A

API: 30-015-22856
GL: 3542
KB:

COMMENTS



Plug

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CASING DETAIL

#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	17 1/2	13 3/8	48		0	340	350	0	Circ
B	12 1/4	8 5/8	24	J55	0	910	750	0	Circ
C	7 7/8	5.5	17 & 15.5		0	7400	650	4790	Temp

FORMATION TOPS

	Formation	Top							
	Mississippi	7044							
	Chester	6952							
	Stawn	6761							
	Lwr Canyon	6450							
	Canyon	6074							
	Cisco	5795							
	Wolfcamp	4805							
	Abo	3804							
	Glorieta	1620							
	San Andres	566							

Plugs

1	Set CIBP at 6724 ft with 35 ft of CLS H on top.
2	Spot a 25 SX (213 ft) CLS H cement plug 6287 ft - 6500 ft. WOC & Tag Plug. This will plug the Lwr Canyon.
3	Spot a 25 SX (213 ft) CLS H cement plug 5911 ft - 6124 ft. WOC & Tag Plug. This will plug the Canyon.
4	Spot a 25 SX (238 ft) CLS C cement plug 5607 ft - 5845 ft. WOC & Tag Plug. This will plug the Cisco.
5	Spot a 25 SX (238 ft) CLS C cement plug 4617 ft - 4855 ft. WOC & Tag Plug. This will plug the Wolfcamp.
6	Perforate at 3854 ft. Attempt to establish Circulation or spot I/O. Requires 37 SX (138 ft) CLS C cement plug 3716 ft - 3854 ft. WOC & Tag Plug. This will plug the Abo
7	Perforate at 1670 ft. Attempt to establish Circulation or spot I/O. Requires 32 SX (116 ft) CLS C cement plug 1554 ft - 1670 ft. WOC & Tag Plug. This will plug the Glorieta
8	Perforate at 960 ft. Attempt to establish Circulation or spot I/O. Requires 25 SX (238 ft) CLS C cement plug 722 ft - 960 ft. WOC & Tag Plug. This will plug the 8.625" Shoe
9	Spot a 25 SX (238 ft) CLS C cement plug 378 ft - 616 ft. WOC & Tag Plug. This will plug the San Andres.
10	Spot a 10 SX (95 ft) CLS C cement plug 0 ft - 95 ft. WOC & Tag Plug. This will plug the Top.

TOC: 4790'

Perfs

6774' - 6874'

PBTD: 6,948 MD

TD: 7,400 MD

TVD

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Permanent Abandonment of Federal Wells
Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

2. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.

5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 55 feet of cement shall be sufficient. Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off.

The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was plugged.

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.