

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

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.**

HOBBS OCD

SUBMIT IN TRIPLICATE - Other instructions on page 2

SEP 26 2018

RECEIVED

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM94864
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.
3a. Address 104 SOUTH 4TH STREET ARTESIA, NM 88210	3b. Phone No. (include area code) Ph: 575-748-4168	8. Well Name and No. EL ZORRO FREMONT FEDERAL 02
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 1 T9S R36E SWNE 1880FNL 1350FEL		9. API Well No. 30-025-34703-00-S1
		10. Field and Pool or Exploratory Area ALLISON
		11. County or Parish, State LEA 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 recompleat 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 Y Resources, Inc. plans to plug and abandon this well as follows:

1. MIRU all safety equipment as necessary. NU BOP. POOH with production equipment.
2. RIH with GR and JB to 9575 ft.
3. Set a CIBP at 9550 ft with 35 ft of cement on top. This will place a plug over the open perforations.
4. Tag TOC and load hole with plugging mud.
5. Perforate at 8970 ft. Attempt to establish circulation.
6. Spot a 25 sx Class H cement plug from 8720 ft - 8970 ft. This will place a plug across the Wolfcamp top. *woc tag*
7. Perforate at 7730 ft. Attempt to establish circulation.
8. Spot a 25 sx class H cement plug from 7480 ft - 7730 ft. This will place a plug across the Abo *woc tag*

*Showing CTDC @ 1000'.  
All Perfs Below if won't sqz  
Drop down 50' below perf  
and Spot. Suggest CBL  
and find TOC. Then omit  
Perf/sqz.*

*Below ground level dry hole marker required*

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #434976 verified by the BLM Well Information System For EOG Y RESOURCES INC, sent to the Hobbs Committed to AFMSS for processing by PRISCILLA PEREZ on 09/12/2018 (18PP1837SE)	
Name (Printed/Typed) TINA HUERTA	Title REGULATORY SPECIALIST
Signature (Electronic Submission)	Date 09/12/2018

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <i>James L. Carr</i>	Title <i>Supv. PET</i>	Date <i>9-22-18</i>
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 <i>Carlsbad Field Office</i>

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 \*\*

**FOR RECORD ONLY**  
NMCD 09/27/18

**Additional data for EC transaction #434976 that would not fit on the form**

**32. Additional remarks, continued**

top. *Add Glorieta Plug - Spot plug from 5570 - 5420.*

9. Perforate at 4225 ft. Attempt to establish circulation.

10. Spot a 25 sx class C cement plug from 3975 ft - 4225 ft. WOC and tag. This will place a plug across the 8-5/8 inch casing shoe and San Andres top.

11. Perforate at 2270 ft. Attempt to establish circulation.

12. Spot a 25 sx class C cement plug from 2020 ft - 2270 ft. This will place a plug across the Rustler top.

13. Perforate at 435 ft. Establish circulation.

*SR* 14. ~~Spot~~ a 115 sx class C inside/outside cement plug from 435 ft up to Surface. This will place a plug across the surface casing shoe and to surface.

15. Cut off wellhead. Install Dry Hole marker and clean location as per regulation.

Wellbore schematics attached

WELL NAME: El Zorro Fremont Federal #2 FIELD:

LOCATION: 1880' FNL & 1350' FEL Sec.1-9S-36E

GL: 4,039' ZERO:            KB:           

COMMENTS: API No.: 30-025-34703

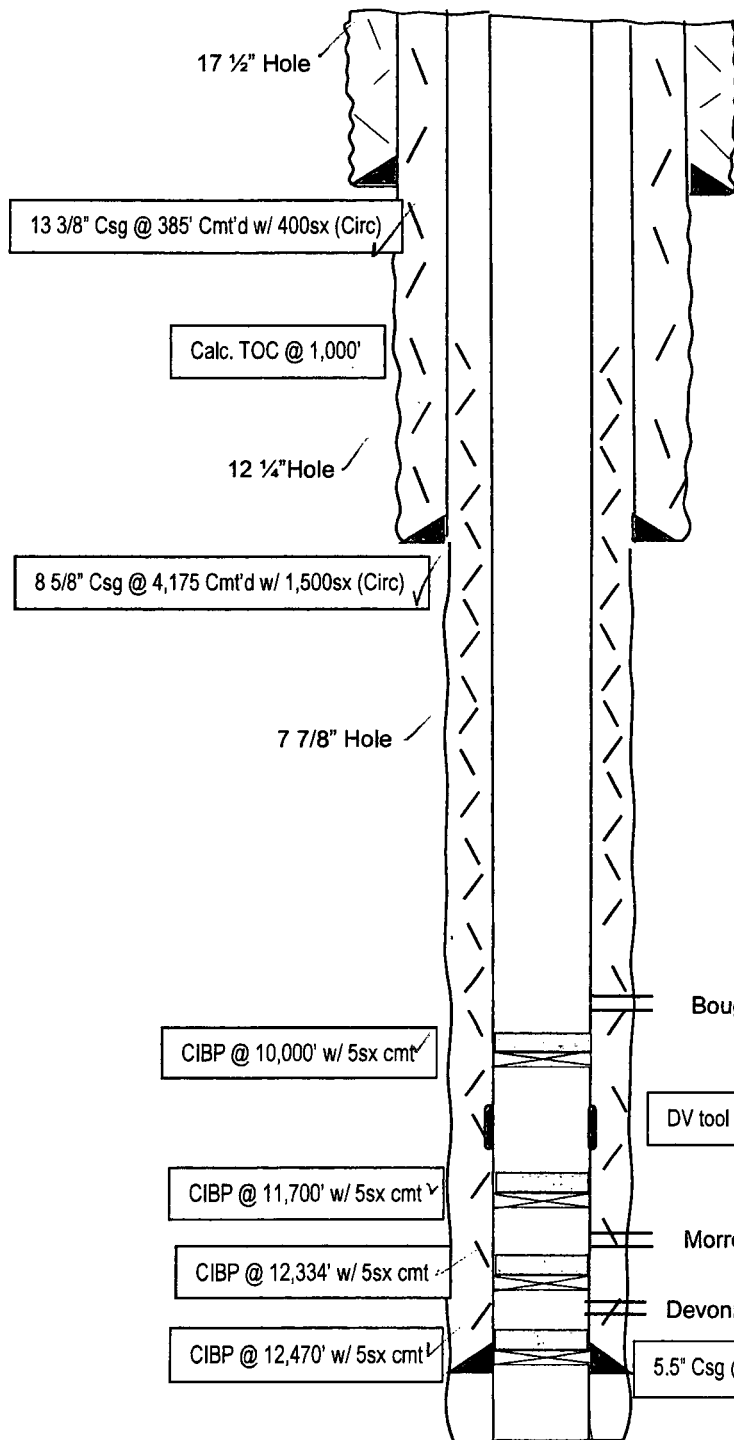
### CASING PROGRAM

13 3/8" 48# H-40	385'
8 5/8" 32# J-55	4,175'
5.5" 23# P-110	12,478'

## Before

### TOPS

Rustler	2,224'
San Andres	4,070'
Abo	7,676'
Wolfcamp	8,930'
Atoka	11,410'
Morrow	11,648'
Woodford	12,242'
Devonian	12,378'



PBTD: 12,855" *12465*

Not to Scale

9/5/18

JDE

WELL NAME: El Zorro Fremont Federal #2 FIELD:

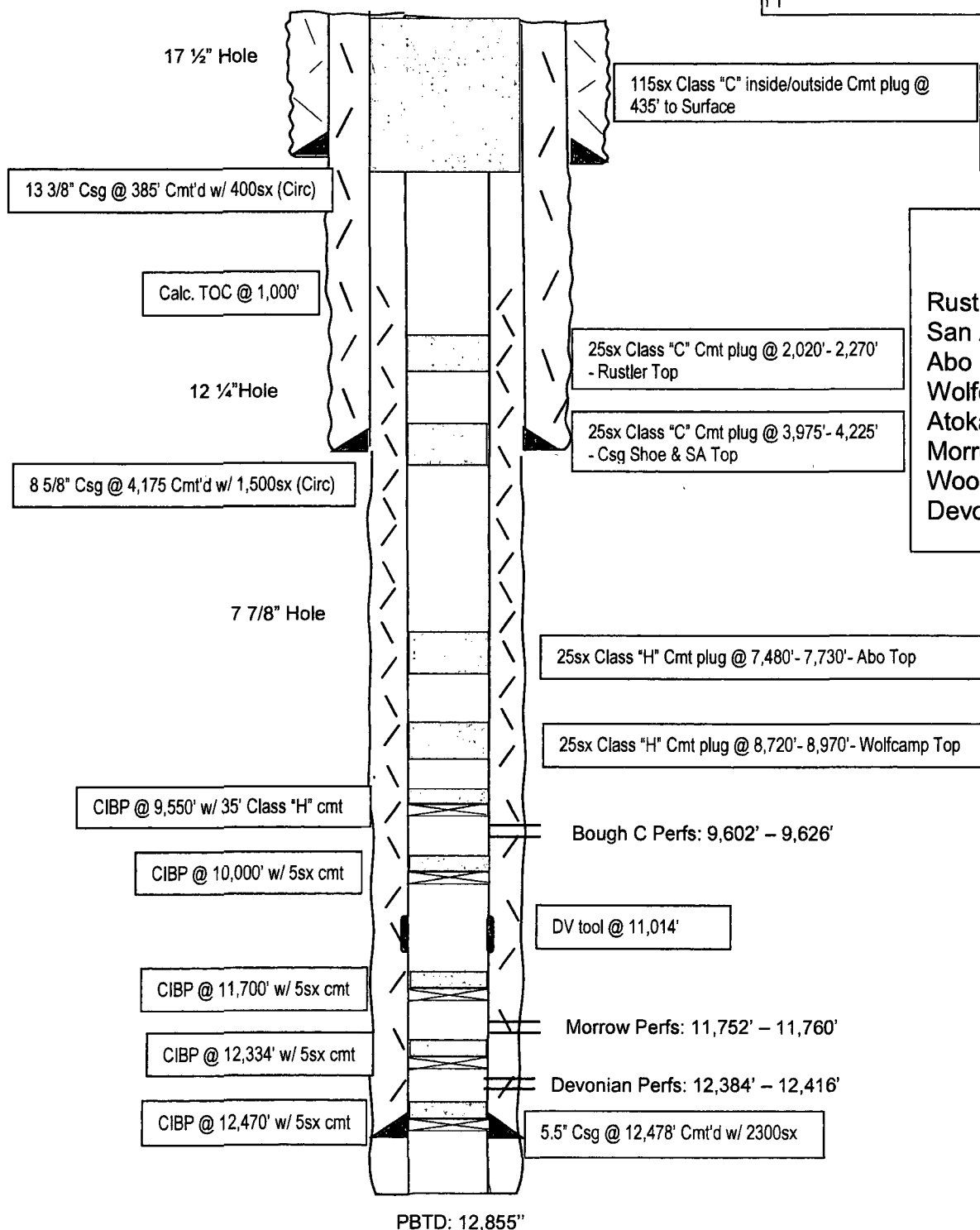
LOCATION: 1880' FNL & 1350' FEL Sec.1-9S-36E

GL: 4,039' ZERO: KB:

COMMENTS: API No.: 30-025-34703

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**After**

### TOPS

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**Not to Scale**

9/5/18

JE

**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 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> 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, 35 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 10<sup>th</sup> 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.