

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 checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM12110
2. Name of Operator EOG RESOURCES INCORPORATED		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. NMNM125910
3a. Address MIDLAND, TX 79702	3b. Phone No. (include area code) Ph: 575-748-4168	8. Well Name and No. LUCKY WOLF 31 FED COM 1H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 31 T16S R28E NENE 330FNL 330FEL		9. API Well No. 30-015-37280-00-S1
		10. Field and Pool or Exploratory Area DOG CANYON
		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 7424 ft with 35 ft Class H cement on top. 6405, cont from 6405 - To TVD of 6245 To
- Perforate at 5780 ft. Attempt to establish circulation. Spot a 28 sx Class C cement plug from 5780 ft - 5623 ft. WOC and tag. 5366 592
- Spot a 27 sx Class C cement plug from 5270 ft - 5118 ft. WOC and tag. This will plug Abo.
- Spot a 26 sx Class C cement plug from 4550 ft - 4405 ft. WOC and tag. This will plug Tubb.
- Spot a 25 sx Class C cement plug from 3300 ft - 3158 ft. WOC and tag. This will plug Glorieta.
- Spot a 25 sx Class C cement plug from 1800 ft - 1658 ft. WOC and tag. This will plug San Andres.
- Spot a 25 sx Class C cement plug from 1000 ft - 858 ft. WOC and tag. This will plug Queen.
- Perforate at 555 ft. Attempt to establish circulation. Spot a 25 sx Class C cement plug from 555

GC 9/26/19  
Accepted for record - NMOCD

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct. Electronic Submission #482212 verified by the BLM Well Information System For EOG RESOURCES INCORPORATED, sent to the Carlsbad Committed to AFMSS for processing by PRISCILLA PEREZ on 09/06/2019 (19PP3234SE)		RECEIVED SEP 23 2019
Name (Printed/Typed) TINA HUERTA	Title REGULATORY SPECIALIST	
Signature (Electronic Submission)	Date 09/06/2019	

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

DISTRICT # ARTESIA O.C.D.

Approved By	Title SALT	Date 9-15-19
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 LFO

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 \*\***

**Additional data for EC transaction #482212 that would not fit on the form**

**32. Additional remarks, continued**

ft - 413 ft. WOC and tag. This will plug 13-3/8 inch casing shoe.

10. Spot a 10 sx Class C cement plug from 51 ft up to surface. WOC and tag.

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

Wellbore schematics attached

[illegible]

TOL: 5416

5957 KOP  
Planned

Perforations  
7471 - 10790

TD: 10,885 MD 6,353

Sec-TWN-RNG:	31 - T16S - R28E
FOOTAGES:	711 FNL 364 FWL

API:	30-015-37280
GL:	3519
KB:	3531

### CASING DETAIL

#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	17 1/2	13 5/8	48	H-40	0	505	500	0	
B	12 1/4 8 3/4	7	26	P-110	0	5,730	1,300	0	
C	6 1/8	4 1/2	11	P-110	5416	10,836			
	12 1/4								

## FORMATION TOPS

	Queen	950 ✓							
	San Andres	1750 ✓							
	Glorieta	3250 ✓							
	Tubb	4500 ✓							
	Abo shale	5220 ✓							
	Wolfcamp	6405 ✓							

## TUBING DETAIL

[illegible]

Prepared by: MJM

Date: 5-Sep-2019

# LUCKY WOLF 31 FED COM #1H

Sec-TWN-RNG: 31 - T16S - R28E  
FOOTAGES: 711 FNL 364 FWL

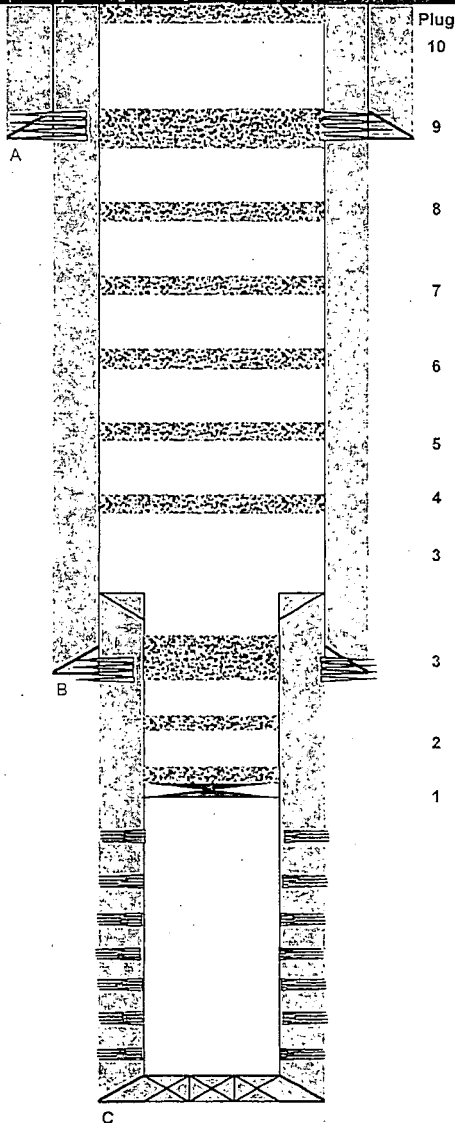
API: 30-015-37280

GL: 3519

PROPOSED P&A

KB: 3531

COMMENTS



Plug

10

9

8

7

6

5

4

3

2

1

CASING DETAIL									
#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	17 1/2	13 5/8	48	H-40	0	505	500	0	
B	8 3/4	7	26	P-110	0	5,730	1,300	0	
C	6 1/8	4 1/2	11	P-110	5416	10,836			
FORMATION TOPS									
		Wolfcamp	6405						
		Abo shale	5220						
		Tubb	4500						
		Glorieta	3250						
		San Andres	1750						
		Queen	950						
Plug									
1	Set CIBP at 7421 ft with 35 ft of CLS H on top.								
2	Spot a 25 SX (323 ft) CLS H cement plug 6132 ft - 6455 ft. WOC & Tag Plug. This will plug the Wolfcamp.								
3	Perforate at 5780 ft. Attempt to establish Circulation. Spot a 28 SX (157 ft) CLS C cement plug 5623 ft - 5780 ft. WOC & Tag								
4	Spot a 27 SX (152 ft) CLS C cement plug 5118 ft - 5270 ft. WOC & Tag Plug. This will plug the Abo shale.								
5	Spot a 26 SX (145 ft) CLS C cement plug 4405 ft - 4550 ft. WOC & Tag Plug. This will plug the Tubb.								
6	Spot a 25 SX (142 ft) CLS C cement plug 3158 ft - 3300 ft. WOC & Tag Plug. This will plug the Glorieta.								
7	Spot a 25 SX (142 ft) CLS C cement plug 1658 ft - 1800 ft. WOC & Tag Plug. This will plug the San Andres.								
8	Spot a 25 SX (142 ft) CLS C cement plug 858 ft - 1000 ft. WOC & Tag Plug. This will plug the Queen.								
9	Perforate at 555 ft. Attempt to establish Circulation. Spot a 25 SX (142 ft) CLS C cement plug 413 ft - 555 ft. WOC & Tag Plug. This will plug the 13.625 inch casing shoe.								
10	Spot a 10 SX (51 ft) CLS H cement plug 0 ft - 51 ft. WOC & Tag Plug. This will plug the Top.								

Prepared by: MJM

Date: 5-Sep-2019

TD: 10,885 MD 6,353

TOL: 5416

Perforations  
7471 - 10790

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.