

Form 3160-5  
(June 2019)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021

**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.**

5. Lease Serial No. **NMNM30400**

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator **EOG RESOURCES INCORPORATED**

3a. Address **1111 BAGBY SKY LOBBY 2, HOUSTON, TX 770**    3b. Phone No. (include area code) **(713) 651-7000**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SEC 1/T25S/R33E/NMP**

7. If Unit of CA/Agreement, Name and/or No.  
**RED HILLS NORTH/NMNM104037X**

8. Well Name and No.  
**LACEY SWISS 1 FED COM/707H**

9. API Well No.  
**3002549928**

10. Field and Pool or Exploratory Area  
**BOBCAT DRAW; UPPER WOLFCAMP**

11. Country or Parish, State  
**LEA/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 checked="" type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input 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 recomplate 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 detennined that the site is ready for final inspection.)

This well will be permanently abandoned as specified in this sundry. This wellbore (Old Lacey Swiss 1 Fed Com 707H/ New Lacey Swiss 1 Fed Com 707Y, API#30-025-49928 ), will not be used for alternative purposes.

Accepted for Record Only  
**SUBJECT TO LIKE APPROVAL BY BLM**  
**NMOCD 9/22/22**

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)  
**STAR HARRELL / Ph: (432) 848-9161**

Title **Regulatory Specialist**

Signature *Star L Harrell*    Date **09/09/2022**

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

Approved by  
**KEITH P IMMATTY / Ph: (575) 988-4722 / Approved**

Title **ENGINEER**    Date **09/12/2022**

Office **CARLSBAD**

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.

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)

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13*: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

## Additional Information

### Location of Well

0. SHL: NENW / 869 FNL / 1870 FWL / TWSP: 25S / RANGE: 33E / SECTION: 1 / LAT: 32.1644223 / LONG: -103.5286289 ( TVD: 0 feet, MD: 0 feet )

PPP: NENW / 100 FNL / 1830 FWL / TWSP: 25S / RANGE: 33E / SECTION: 1 / LAT: 32.1665358 / LONG: -103.528665 ( TVD: 12198 feet, MD: 12262 feet )

PPP: NESW / 2637 FNL / 1830 FWL / TWSP: 25S / RANGE: 33E / SECTION: 1 / LAT: 32.1595633 / LONG: -103.5286729 ( TVD: 12463 feet, MD: 14900 feet )

BHL: SESW / 100 FSL / 1650 FWL / TWSP: 25S / RANGE: 33E / SECTION: 12 / LAT: 32.1380728 / LONG: -103.5286971 ( TVD: 12463 feet, MD: 22719 feet )

CONFIDENTIAL

**EOG Resources**  
**Lacey Swiss 1 FC 707H**  
**Proposed Procedure to P&A Well**  
**9/9/2022**

**General Drilling Info:**

API Number: 30-025-49928  
 Lease Serial No: NMNM30400  
 Surface Location: 869' FNL & 1843' FWL  
 Sec 1-T25S-R33E

**Casing Information**

9-5/8" 40# J55 LTC: 1,368' MD/TVD  
 7-5/8" 29.7# ICYP110 MO FXL 11,626' MD/11,551' TVD (shoe set in 3<sup>rd</sup> BS formation)

**Current/Final TD: 22,713' MD/12,591' TVD (Wolfcamp formation)**

Formation tops: Please see the attached PROPOSED P&A wellbore diagram

**Current Status:**

The subject well was temporarily abandoned on 8/28/2022 by setting a CICR at 7020' MD and squeezed with 230 bbl (1050 sx) of cement. Approximately 152' of cement was left on top of the CICR. After squeezing with cement, the 7-5/8" casing was pressure tested to 1000 psi and then the 13.2 ppg OBM was displaced out of the wellbore with 8.4 ppg FW. A wellhead cap was installed and the drilling rig (H&P 651) skidded over 20' to drill the Lacey Swiss 1 FC 709H.

**Recommended Procedure to P&A Well:**

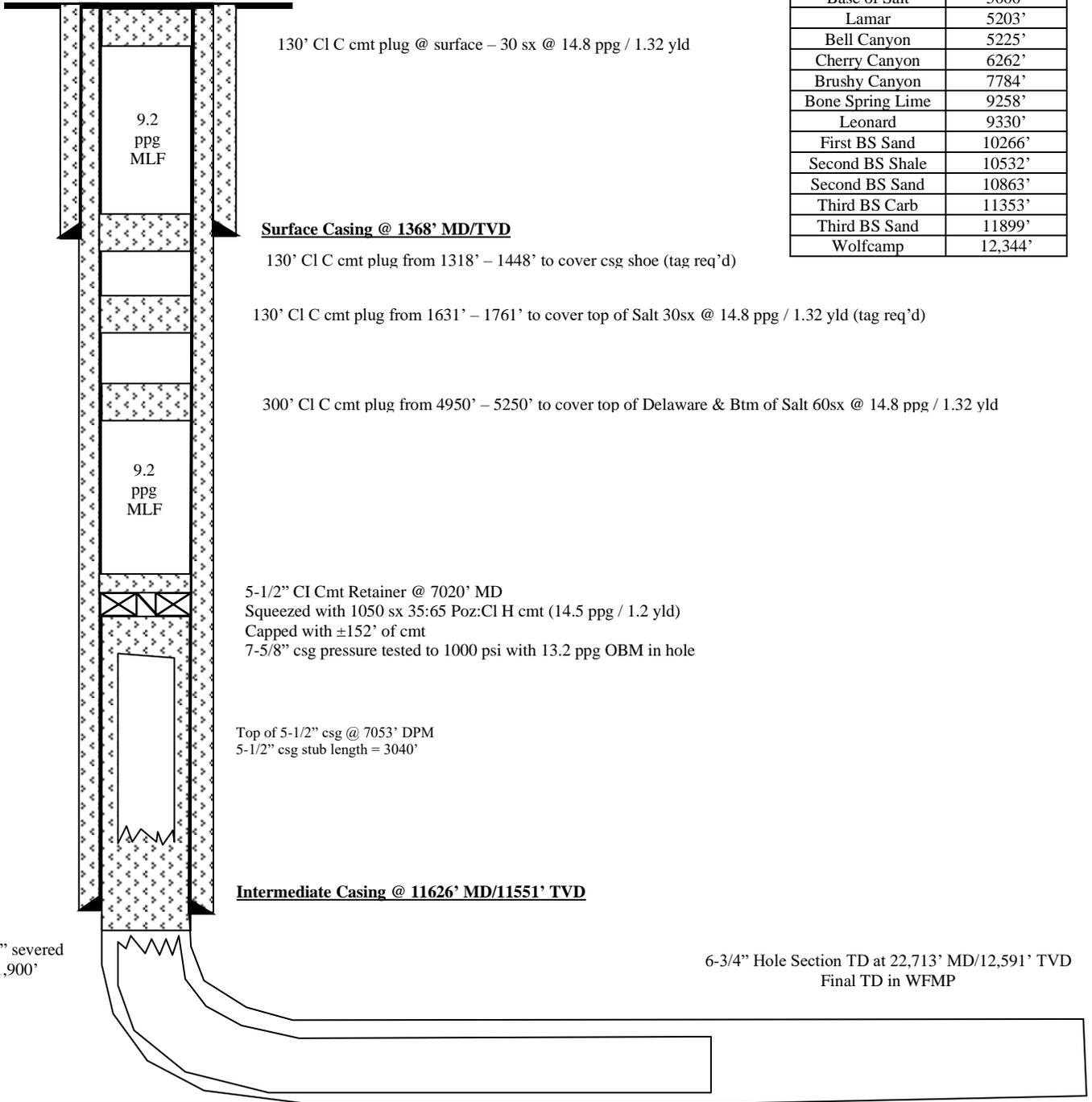
1. MIRU workover rig prior 12/1/2022 ( $\pm 90$  days from the date TA'd). Notify the BLM prior to this date, if plugging operations are delayed. This is very important in order to deter any enforcement action(s) by the BLM.
2. Notify the Carlsbad BLM office at 575.393.3612, at least 24 hrs prior to starting P&A operations.
3. MIRU workover rig. ND WH, NU and test BOPE.
4. RIH with tubing. Tag TOC above the CICR that was set at 7020'. Make certain that at least 35' of cement exist on top of CICR. If needed spot additional cement (minimum of 25 sx of Class C cement).
5. Displace the hole with 9.0+ ppg mud. Minimum density of 9.0 ppg, containing at least 50 lbs of gel per 100 bbls of brine water.
6. Spot Cement Plug #1 - PU until the end of tubing is at 5250'. Spot a 300' cement plug from 5250' to 4950' to cover from the base of the salt (@ 5000') to the top of the Delaware (5203'). 60 sx of Class C cement mixed at 14.8 ppg (1.32 yld) will be required.
7. Spot Cement Plug #2 - PU until the end of tubing is at 1761'. Spot a 130' cement plug from 1761' to 1631' to cover from the top of salt (@ 1681'). 30 sx of Class C cement mixed at 14.8 ppg (1.32 yld) will be required. Tag required.
8. PU above TOC and wait at least 4 hrs. Tag TOC to verify that the TOC is at 1631' or less.

9. Spot Cement Plug #3 – PU until the end of tubing is at 1448'. Spot a 130' cement plug from 1448' to 1318' to cover the surface casing shoe (@ 1368'). 30 sx of Class C cement mixed at 14.8 ppg (1.32 yld) will be required. Tag required.
10. PU above TOC and wait at least 4 hrs. Tag TOC to verify that the TOC is at 1318' or less.
11. Spot Cement Plug #4 – PU until the end of tubing is at 134'. Spot a 130' surface plug from 130' to base of cellar. 30 sx of Class C cement mixed at 14.8 ppg (1.32 yld) will be required.
12. Notify BLM at least 4 hrs prior to cutting off wellhead for them to verify that cement is at surface in the casing and all annuli.
13. Cut off wellhead and all casing strings to the base of the cellar or at least 3' below ground level.
14. Install permanent P&A well marker as follows:
  - a. 4" pipe, 10' in length, 4' above GL, imbedded in cement.
  - b. The following information must be permanently inscribed on the dry hole marker.
    - i. Well name and number – Lacey Swiss 1 FC 707H
    - ii. Name of operator – EOG Resources
    - iii. Lease serial number – NMNM30400
    - iv. Surface location survey information  
869' FNL & 1843' FWL  
Sec 1-T25S-R33E

**EOG Resources**  
**Lacey Swiss 1 Fed Com 707H**  
**Red Hills North Field**  
 30-025-49928  
 869' FNL & 1843' FWL  
 Section 1 T25S R33E  
 Lea County, New Mexico

**Proposed P&A WBD**  
**9/9/2022**

Formation Top	TVD
Rustler	1193'
Top of Salt	1681'
Base of Salt	5000'
Lamar	5203'
Bell Canyon	5225'
Cherry Canyon	6262'
Brushy Canyon	7784'
Bone Spring Lime	9258'
Leonard	9330'
First BS Sand	10266'
Second BS Shale	10532'
Second BS Sand	10863'
Third BS Carb	11353'
Third BS Sand	11899'
Wolfcamp	12,344'

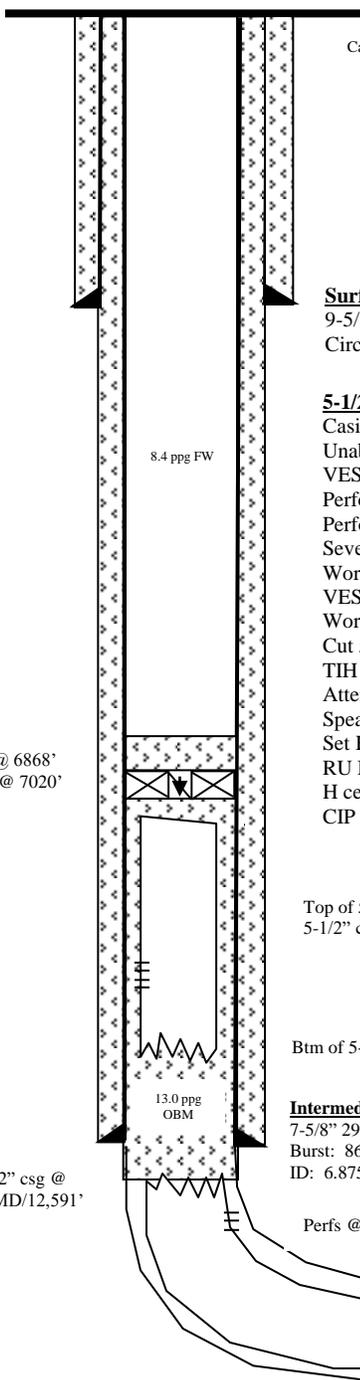


**5-1/2" 20# RDT BTX Production Casing**  
 Casing Shoe @ 19,435" MD  
 Unable to pull casing OOH

**EOG Resources**  
**Lacey Swiss 1 Fed Com 707H**  
**Red Hills North Field**  
 30-025-49928  
 869' FNL & 1843' FWL  
 Section 1 T25S R33E  
 Lea County, New Mexico

**Temporarily Abandoned**  
**WBD – 8/28/2022**

Formation Top	TVD
Rustler	1193'
Top of Salt	1681'
Base of Salt	5000'
Lamar	5203'
Bell Canyon	5225'
Cherry Canyon	6262'
Brushy Canyon	7784'
Bone Spring Lime	9258'
Leonard	9330'
First BS Sand	10266'
Second BS Shale	10532'
Second BS Sand	10863'
Third BS Carb	11353'
Third BS Sand	11899'
Wolfcamp	12,344'



Cactus WH Night Cap Installed

**Surface Casing @ 1368' MD/TVD**

9-5/8" 40# J55 LTC  
 Circulated 55 bbls CTS

**5-1/2" 20# RDT BTX Production Casing**

Casing Shoe @ 19,435" MD  
 Unable to pull casing OOH  
 VES ran CBL No. 1 to 12,675'  
 Perforated 5-1/2" casing with 3 x 0.5" diameter perforations @ 11,925' – Unable to circ thru perfs  
 Perforated 5-1/2" casing with 4 x 0.3" diameter perforations @ 11,525' – Partial returns with 2400 to 1800 psi pmp pressure  
 Severed 5-1/2" casing @ 11,900' (8/20/2022)  
 Worked 5-1/2" casing OOH from 11,900' to 10,448' (1452'±48 hrs)  
 VES ran CBL No. 2 to 11,800'. Showed the end of 5-1/2" csg @ 10,440'.  
 Worked 5-1/2" casing OOH from 10,448' to 10,178' (270'). Total casing worked OOH = 1722'.  
 Cut 5-1/2" csg with jet-cutter at 7125'. Laid down csg.  
 TIH with fishing BHA. Tagged top of fish at ±7130' DPM.  
 Attempted to jar fish OOH (8/25/2022). Made ±5'. Perfs @ ±9798'. Btm of fish @ 10,173'. Csg stub length = 3048'.  
 Spearfish with dual agitators 8/26/2022. Made ±72'. Fishing operations ceased. Ran 7-5/8" csg scraper to TOF @ 7053'  
 Set Halliburton CICR @ 7020' 8/27/2022. Test 7-5/8" casing with 1000 psi, with 13.2 ppg OBM in hole.  
 RU Nextier. Placed 500 psi on BS of DP. Pumped 40 bbls of 13.7 ppg spacer plus 230 bbls (1050 sx) of Class 35:65 Poz:Class  
 H cement (14.5 ppg/1.23 yld) below cement retainer and displaced with 13.2 ppg OBM. Max inj psi 2700 psi, ISIP 1057 psi.  
 CIP @ 22:17 hrs on 8/27/2022. Left 7 bbls (32 sx) on top of CICR. TOC @ ±6868'.

TOC @ 6868'  
 CICR @ 7020'

Top of 5-1/2" csg @ 7053' DPM  
 5-1/2" csg stub length = 3040'

Perfs @ 9726'  
 4 x 0.3" OD

Btm of 5-1/2" stub @ 10,093' DPM

**Intermediate Casing @ 11626' MD/11551' TVD**

7-5/8" 29.7# ICYP110 MO FXL  
 Burst: 8610 psi Collapse: 7360 psi Tensile: 747 kips  
 ID: 6.875" Drift: 6.75"

Top of 5-1/2" csg @  
 11,900' MD MD/12,591'

Perfs @ 11,925'

6-3/4" Hole Section TD at 22,713' MD/12,591' TVD  
 Final TD in WFMP

13.0 ppg OBM

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

COMMENTS

Action 142489

**COMMENTS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 142489
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

**COMMENTS**

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM	9/22/2022

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 142489

**CONDITIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 142489
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

**CONDITIONS**

Created By	Condition	Condition Date
kfortner	Like approval from BLM	9/22/2022