

Well Name: RED HILLS NORTH UNIT	Well Location: T25S / R34E / SEC 17 / SWNE / 32.132263 / -103.489821	County or Parish/State: LEA / NM
Well Number: 901	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM94108	Unit or CA Name: RED HILLS NORTH	Unit or CA Number: NMNM104037X
US Well Number: 3002528003	Well Status: Producing Oil Well	Operator: EOG RESOURCES INCORPORATED

Accepted for record –NMOCD gc10/26/2023

Notice of Intent

Sundry ID: 2757938

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 10/24/2023	Time Sundry Submitted: 03:57
Date proposed operation will begin: 11/01/2023	

Procedure Description: EOG PROPOSES TO PLUG THIS WELL ASAP UTILIZING THE ATTACHED PROCEDURE.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

RHNU\_\_901H\_P\_A\_Procedure\_20231024155709.pdf

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Conditions of Approval

Specialist Review

RED\_HILLS\_NORTH\_UNIT\_901\_\_\_2757938\_\_\_COA\_AND\_PROCEDURE\_20231024162720.pdf

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: KAY MADDOX	Signed on: OCT 24, 2023 03:57 PM
Name: EOG RESOURCES INCORPORATED	
Title: Regulatory Specialist	
Street Address: 5509 CHAMPIONS DR.	
City: MIDLAND	State: TX
Phone: (432) 638-8475	
Email address: KAY_MADDOX@EOGRESOURCES.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: KEITH P IMMATTY	BLM POC Title: ENGINEER
BLM POC Phone: 5759884722	BLM POC Email Address: KIMMATTY@BLM.GOV
Disposition: Approved	Disposition Date: 10/24/2023
Signature: Keith Immatty	



**Red Hills North Unit #901H**  
**API # 30-025-28003**  
**1980' FNL & 1980' FEL – Sec. 17-25S-34E**  
**Lea County, New Mexico**

**P&A Procedure**  
**AFE # 183152**

**Executive Summary:**

P&A wellbore, cutoff wellhead and install dry hole marker.

**TD:** 15,379'      **PBTD:** 15,379'      **TVD:** 12,250'      **GL:** 3,333'      **KB:**

**Surface Casing:** 13 $\frac{3}{8}$ " 54.5# J-55 at 588'. Cemented with 500 sx. Cement circulated.  
**Intermediate:** 10 $\frac{3}{4}$ " 45.5# K-55 at 5,172'. Cemented with 2,825 sx. Cement circulated.  
**Production Casing:** 5 $\frac{1}{2}$ " 17# S-95 & P-110 at 15,379'. Cemented with 1,575 sx. CTOC at 7,500'.  
**Producing Interval:** 3<sup>rd</sup> Bone Spring perms at 12,800'-15,170'  
**Other:** 5 $\frac{1}{2}$ " CIBP set at 11,440'  
 5 $\frac{1}{2}$ " CIBP w/ 2 sx cmt set at 11,390' (current PBTD)

**P&A Procedure:**

1. MIRU well service unit and all necessary safety equipment. ND WH and NU BOP.
2. Pick up and TIH with open ended 2 $\frac{7}{8}$ " work string to tag TOC on top of CIBP at 11,390'. **Leak test casing to 500psi, for 30mins. Address leaks if needed.** Circulate plugging mud and then spot an additional 25 sx class "H" cement on top of CIBP. Pick up and reverse clean, no tag required.
3. Pick up to 9,356' and spot 30 sx class "H" cement from 9,356'-9,166' (this will cover top of Bone Spring). Pick up and reverse clean, no tag required.
4. Pick up to 7,600' and spot 25 sx class "H" cement from 7,600'-7,430' (this is a spacer plug). Pick up, reverse clean and POOH, no tag required.
5. RU WL to RIH and perf 5 $\frac{1}{2}$ " casing at 5,368'. POOH w/ WL. TIH with tubing to spot/sqz 120 sx class "C" cement inside and outside 5 $\frac{1}{2}$ " csg from 5,368'-5,072' (this will cover top of Delaware and 10 $\frac{3}{4}$ " csg shoe). Pick up, reverse clean and POOH to WOC.
6. RU WL to RIH to tag TOC, then perf 5 $\frac{1}{2}$ " casing at 5,068'. POOH w/ WL. TIH with tubing to spot/sqz 60 sx class "C" cement inside and outside 5 $\frac{1}{2}$ " csg from 5,068'-4,918' (this will cover base of Salt). Pick up, reverse clean and POOH to WOC.
7. RU WL to RIH to tag TOC, then perf 5 $\frac{1}{2}$ " casing at 1,406'. POOH w/ WL. TIH with tubing to spot/sqz 45 sx class "C" cement inside and outside 5 $\frac{1}{2}$ " csg from 1,406'-1,296' (this will cover top of Salt). Pick up, reverse clean and POOH to WOC.
8. RU WL to RIH to tag TOC, then perf 5 $\frac{1}{2}$ " casing at 638'. POOH w/ WL. TIH with tubing to spot/sqz 45 sx class "C" cement inside and outside 5 $\frac{1}{2}$ " csg from 638'-538' (this will cover 13 $\frac{3}{8}$ " csg shoe). Pick up, reverse clean and POOH to WOC.



9. RU WL to RIH to tag TOC, then perf 5½" csg at 150'. POOH w/ WL. Circulate 60 sx class "C" cement inside and outside 5½" csg from 150'-surface (surface plug).
10. Cutoff WH, verify cement to surface on all casing strings and top of as necessary.
11. RDMO well service unit, install dry hole marker and clean location.

Production Engineer: Brice A. Letcher Date: 10/23/2023  
Brice A. Letcher, P.E.

**AFE Coding**

Code	Description
235 106	FAC - Tubing
235 111	FAC - Rods
235 112	FAC - Pump Equipment/ Surface
235 113	FAC - Pump Equipment/ Subsurface
235 407	FAC - Water
235 409	FAC - Cementing & Service
235 413	FAC - Perforating
235 415	FAC - Transportation
235 417	FAC - Equipment Rental
235 418	FAC - Completions Rig
235 421	FAC - Environmental (Remediation)
235 424	FAC - Supervision



## Emergency Contact Information

**In the event of an accident/safety incident involving EOG employees or contract personnel contact:**

Name	Title	Cell	Office
Sonny Cervantes	Sr. Safety Rep	432-488-8879	
Gerald Powell	Sr. Safety Rep	432-967-7583	

**In the event of a spill or environmental release contact:**

Name	Title	Cell	Office
Doug Lowrie	Environmental Manager	432-425-6923	

**Production Department Contacts:**

Name	Title	Cell	Office
Paul Corrales	NM Production Superintendent	432-425-9094	
Zack Jones	Production Foreman	432-488-8556	
Kyle Bangert	AL Tech/Lead Lease Op	575-390-3723	
Roberto Natividad	Lead Lease Op	432-310-4958	
Brice Letcher	Production Engineer	575-748-5021	
Clinton Cox	Production Manager	432-894-4920	
Ron Willett	Production Advisor, WO Rigs	432-230-2135	

**Completions Department Contacts:**

Name	Title	Cell	Office
JP Dillard	Completions Superintendent	210-585-1632	
Malcolm Yates	Completions Manager	432-634-3380	

**Police/Fire/Hospital Contacts**

Fire	911
Sheriff (Eddy County)	575-887-7551
Sheriff (Lea County)	575-396-3611
Hospital – Carlsbad Medical Center (Carlsbad, NM)	575-887-4100
Hospital – Lea Regional Medical Center (Hobbs, NM)	575-492-5000
Hospital – Nor-Lea General Hospital (Lovington, NM)	575-396-6611
Hospital – Winkler County Memorial Hospital (Kermit, TX)	432-586-5864

## RHNU #901H

Re-Entry Spud: 1/23/96  
 Re-Completed: 3/29/02  
 KB:  
 GL: 3,333'

## Current Wellbore

API # 30-025-28003  
 1980' FNL & 1980' FEL, Sec. 17-25S-34E  
 Lea County, New Mexico  
 Lat/Long: 32.1322708, -103.4897919 NAD83



## Formation Tops

Top of Salt	1,356
Base of Salt	5,052
Delaware LM	5,318
Cherry Cnyn	6,190
Bone Spring	9,306
Wolfcamp	12,409
Atoka	14,598
Morrow	14,878

17-1/2" Hole

**13-3/8" 54.5# J-55 STC @ 588'**  
 Cmt w/ 500 sx (circ)

12-1/4" Hole

**10-3/4" 45.5# K-55 STC @ 5,172'**  
 Cmt w/ 2,825 sx (circ)

Calc TOC @ 7,500'

9-1/2" Hole

10/14/23: Set CIBP #2 @ 11,390' (tag'd) w/ 2 sx cmt  
 10/14/23: Set CIBP #1 @ 11,440' (tag'd)  
 TOF @ 11,475'

3rd BSPG perfs @ 12,800'-15,170'

**5-1/2" 17# @ 10,895' (cutoff) - 12,170'**  
 Cmt w/ 85 sx, TOC @ 11,090' by TS

**7-5/8" 33.7# @ 8,757 (cutoff) - 15,820'**  
 Cmt w/ 795 sx, TOC @ 8,757' by CBL

6-1/2" Hole

**5-1/2" 17# Liner @ 13,099'-15,820'**  
 Cmt w/ 235 sx

**5-1/2" 17# S-95 STL & P-110 8rd LTC @ 15,379' MD, 12,250' TVD**  
 Cmt w/ 1575 sx, Calc TOC @ 7,500'

CIBP w/ 35' cmt @ 12,150'  
 3rd BSPG perfs @ 12,264'-12,290'  
 50 sx cmt plug @ 12,870'-12,985' (tag'd)

TD @ 15,825'

Not to Scale

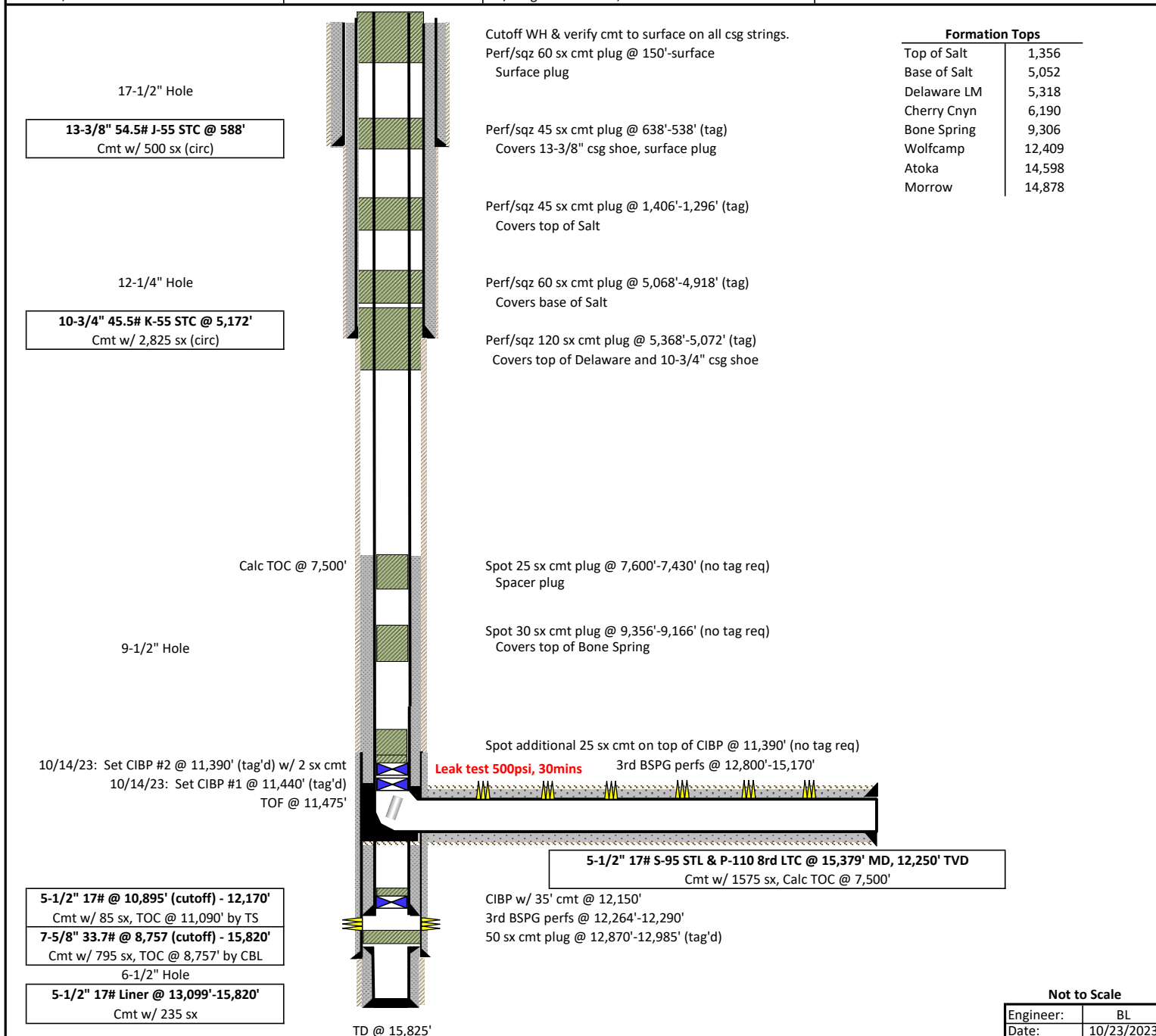
Engineer:	BL
Date:	10/23/2023

## RHNU #901H

Re-Entry Spud: 1/23/96  
Re-Completed: 3/29/02  
KB:  
GL: 3,333'

## Proposed P&amp;A Wellbore

API # 30-025-28003  
1980' FNL & 1980' FEL, Sec. 17-25S-34E  
Lea County, New Mexico  
Lat/Long: 32.1322708, -103.4897919 NAD83





**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 (LPC Habitat)**

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 575-689-5981.

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. Tagging the plug means running in the hole with a string of tubing or drill pipe and placing sufficient weight on the plug to ensure its integrity. Other methods of tagging the plug may be approved by the BLM authorized officer or BLM field representative.

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. Below Ground Level Cap (Lesser Prairie-Chicken Habitat): 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.** Upon the plugging and subsequent abandonment of wells that are located in lesser prairie-chicken habitat, the casings shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be covered with a metal plate at least ¼ inch thick and welded in place. A weep hole shall be left in the plate and/or casing.

NMOCD also requires the operator to notify NMOCD when this type of dry hole marker is used. This can be done on the subsequent report of abandonment which is submitted to the BLM after the well is plugged. State that a below ground cap was installed as required in the COA's from the BLM.

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.

**Timing Limitation Stipulation/ Condition of Approval for Lesser Prairie-Chicken:**

From March 1<sup>st</sup> through June 15<sup>th</sup> annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Carlsbad Field Office  
620 E. Greene St.  
Carlsbad, New Mexico 88220-6292  
www.blm.gov/nm



In Reply Refer To: 1310

### Reclamation Objectives and Procedures

**Reclamation Objective:** Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo “interim” reclamation in order to minimize the environmental impacts of development on other resources and uses. At final abandonment, well locations, production facilities, and access roads must undergo “final” reclamation so that the character and productivity of the land and water are restored.

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its pre-disturbance condition. The operator is generally not responsible for achieving full ecological restoration of the site. Instead, the operator must achieve the short-term stability, visual, hydrological, and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

To achieve these objectives, remove any/all contaminants, scrap/trash, equipment, pipelines and powerlines (**Contact service companies, allowing plenty of time to have the risers and power lines and poles removed prior to reclamation, don't wait till the last day and try to get them to remove infrastructure**). Strip and remove caliche, contour the location to blend with the surrounding landscape, re-distribute the native soils, provide erosion control as needed, rip (across the slope and seed as specified in the original APD COA. **This will apply to well pads, facilities, and access roads.** Barricade access road at the starting point. If reserve pits have not reclaimed due to salts or other contaminants, submit a plan for approval, as to how you propose to provide adequate restoration of the pit area.

1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.
2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months of well abandonment.
3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.
4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you

have issues or concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.

5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.
7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

If there are any questions, please feel free to contact any of the following specialists:

Jim Amos  
Supervisory Petroleum Engineering Tech/Environmental Protection Specialist  
575-234-5909 (Office), 575-361-2648 (Cell)

Arthur Arias  
Environmental Protection Specialist  
575-234-6230

Crisha Morgan  
Environmental Protection Specialist  
575-234-5987

Jose Martinez-Colon  
Environmental Protection Specialist  
575-234-5951

Mark Mattozzi  
Environmental Protection Specialist  
575-234-5713

Robert Duenas  
Environmental Protection Specialist  
575-234-2229

Doris Lauger Martinez  
Environmental Protection Specialist  
575-234-5926

Jaden Johnston  
Environmental Protection Asst. (Intern)  
575-234-6252

**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 279303

COMMENTS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 279303
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM.	10/26/2023

**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 279303

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 279303
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	10/26/2023