

Well Name: ENDURANCE 36 STATE COM	Well Location: T26S / R33E / SEC 36 / SESE /	County or Parish/State: LEA / NM
Well Number: 1H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM122622	Unit or CA Name: ENDURANCE 36 STATE COM 1H	Unit or CA Number: NMNM126185
US Well Number: 3002539744	Well Status: Producing Oil Well	Operator: EOG RESOURCES INCORPORATED

Accepted for record –NMOCD gc9/29/2023

Notice of Intent

LONG VO  
Digitally signed by LONG VO  
Date: 2023.09.09 10:42:28 -05'00'

Sundry ID: 2747748

Type of Submission: Notice of Intent

Date Sundry Submitted: 08/24/2023

Date proposed operation will begin: 09/10/2023

Type of Action: Plug and Abandonment

Time Sundry Submitted: 09:08

Procedure Description: EOG PROPOSES TO PLUG AND ABANDON THIS WELL USING THE ATTACHED PROCEDURE

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- Endurance\_36\_State\_Com\_1H\_PROPOSED\_P\_A\_WBD\_20230824090727.pdf
- Endurance\_36\_State\_Com\_1H\_CURRENT\_P\_A\_WBD\_20230824090653.pdf
- Endurance\_36\_State\_Com\_\_1H\_P\_A\_PROPOSED\_WELLWORK\_20230824090630.pdf

Received by OCD: 9/12/2023 10:33:01 AM

Page 2 of 16

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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: AUG 24, 2023 09:07 AM

Name: EOG RESOURCES INCORPORATED

Title: Regulatory Specialist

Street Address: 5509 CHAMPIONS DR.

City: MIDLANDState: TX

Phone: (432) 638-8475

Email address: KAY\_MADDOX@EOGRESOURCES.COM

Field

Representative Name:

Street Address:

City:State:Zip:

Phone:

Email address:



Endurance 36 State Com #1 P&A  
Capital AFE# 182742

Well Name	Endurance 36 State Com #1 P&A				
Surface Location	LAT 32.001 LONG -103.518; Sec36 330 FSL & 430 FEL			AFE/Sub Code	182742/235
RKB – Sea Level	3,410’	Area/Field	Pitchfork	Spud Date	8/15/10
G.L. Elevation	3,380’	County/Province	Lea	Original Rig Contractor	Cactus 123
API	30-025-30744	State / Country	NM	Formation	LNRD A
Comp Date	11/9/10	Total MD	16,600’	Top Perf	10,126’
KOP	9,180’	Average Lateral TVD	8,992’	Wellhead MFG	Cameron

\*Note all depths include KB 30’.

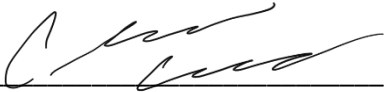
STRING NAME	STRING OD	STRING WEIGHT	DESCRIPTION	FINAL DEPTH
SURFACE	13.325	5435	13-3/8 K-55 BTC	985’
INTERMEDIATE	9.625	40	J 55 to 3,880’ & HCK to 5,185’	5,185’
PRODUCTION	5.5	20	5 1/2 HCP110 NSCC	16,600’

Summary of Procedure: LD TBG, Run CIBP, Pump Cement Plugs, Abandon

PROCEDURE:

1. Notify state 24 hours before beginning work.
2. MIRU & Kill well.
3. ND/NU WH/BOP
4. LD Entire string of 2-7/8” Production TBG including 5 GLV (possibility of bumper stop in tbg @ 8450)
5. MIRU wireline. RIH & set 5.5 CIBP ~9265 ( At KOP).
6. Test CIBP to 500 psi.
7. PU Work String.
8. Tag CIBP & Ciculate plugging mud, then spot 25 sx class H cement on top of CIBP (1.18 yield, 25 sxs, will cover ~236’ of csg). PU, reverse tbg to clean. WOC & Tag.
9. TOO H to 6500’ & spot 25 sxs Class C cement from 6,500’ to 6,264’ (this is a spacer plug). PU & revers tbg clean. No tag required.
- 10.TOO H to 5,374’ & spot 40 sxs Class C cement from 5,374’ to 4955’ (this will cover top of Delaware & across intermediate shoe, Base of salt). PU & revers tbg clean. TOO H & WOC
- 11.Spot cement from 3050' to 2920', 25 sxs Class. (WOC and Tag) (Spacer plug every 3000')
- 12.RU WL & RIH tag TOC. Then perforate 5.5” csg @ 1,203’. POOH
- 13.TIH to spot/squeeze 90 sxs Class C cement to plug from 1,203’ to 925’. This will cover Top of Salt & surface shoe. PU & revers tbg clean. TOO H & WOC
- 14.RU WL & RIH tag TOC. Then perforate 5.5” csg @ 100’. POOH
- 15.TIH to spot/squeeze 30 sxs Class C cement to plug from 100’ to surface.
- 16.Dig out cellar, cut off wellhead and verify cement behind all casing strings.
- 17.Install dry hole marker, clean location and RDMO.



Production Engineer:  Date: 08/24/23  
Chris Caskey

AFE Codes

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



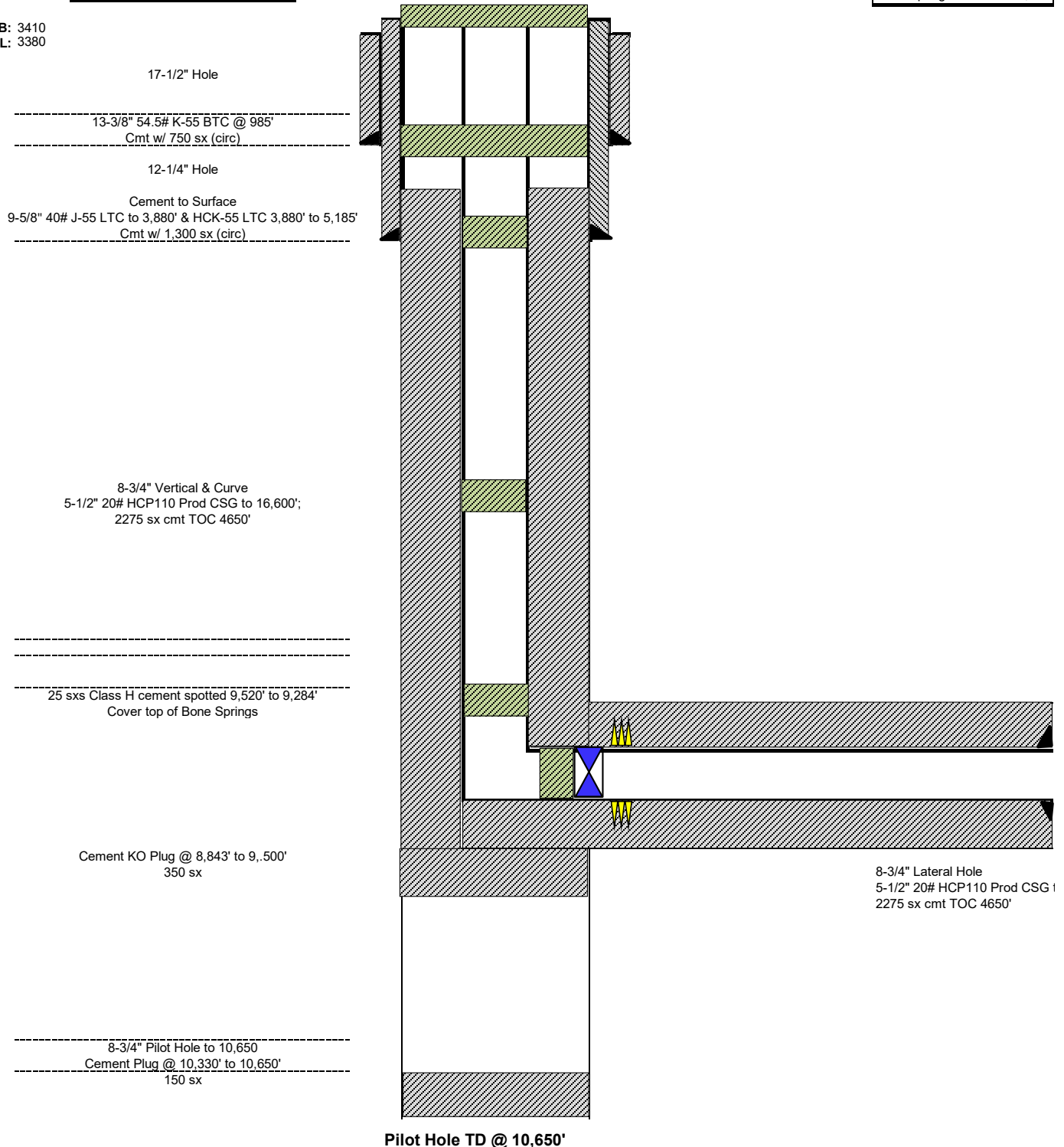
**Well Name:** Endurance 36 State Com #1H  
**Location:** 330' FSL & 430' FEL Sec. 36  
**County:** Lea, NM  
**Lat/Long:** 32.001, -103.518 NAD83  
**API #:** 30-025-39744  
**Spud Date:** 8/15/10  
**Compl. Date:** 11/9/10


**Formation Tops**

Top of Salt	1,200
Bottom of Salt	5,190
Delaware	5,270
Cherry Cnyn	5,703
Bone Spring	9,470

**Proposed Wellbore Diagram:**

**KB:** 3410  
**GL:** 3380



Not to Scale  
 By: CC 8/23/23

**Well Name:** Endurance 36 State Com #1H  
**Location:** 330' FSL & 430' FEL Sec. 36  
**County:** Lea, NM  
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### Current Wellbore Diagram:

KB: 3410  
 GL: 3380

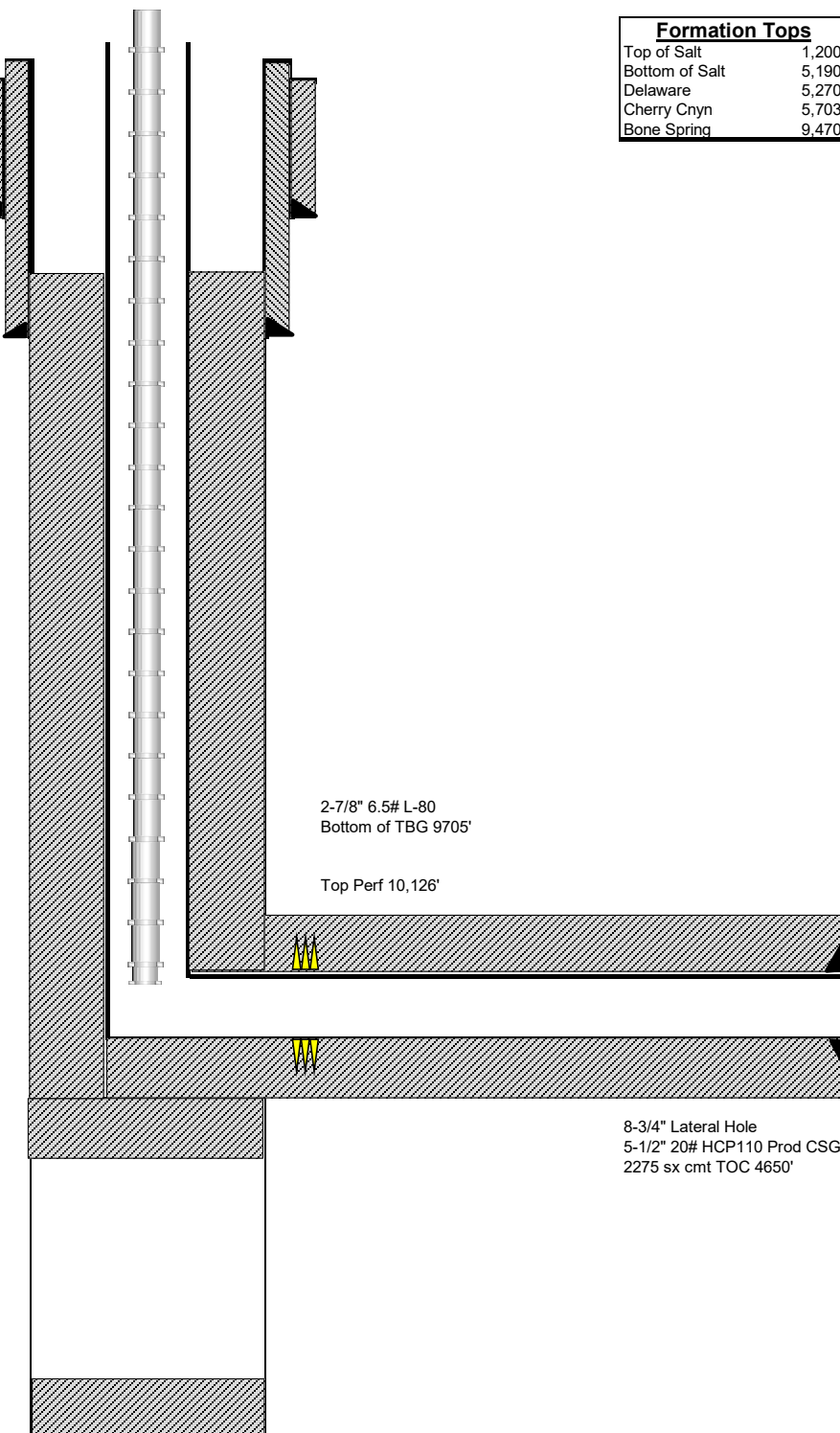
17-1/2" Hole  
 -----  
 13-3/8" 54.5# K-55 BTC @ 985'  
 Cmt w/ 750 sx (circ)  
 -----  
 12-1/4" Hole  
 Cement to Surface  
 9-5/8" 40# J-55 LTC to 3,880' & HCK-55 LTC 3,880' to 5,185'  
 Cmt w/ 1,300 sx (circ)  
 -----

8-3/4" Vertical & Curve  
 5-1/2" 20# HCP110 Prod CSG to 16,600';  
 2275 sx cmt TOC 4650'

-----  
-----  
-----

Cement KO Plug @ 8,843' to 9,500'  
 350 sx

-----  
 8-3/4" Pilot Hole to 10,650'  
 Cement Plug @ 10,330' to 10,650'  
 150 sx  
 -----



**Pilot Hole TD @ 10,650'**

### Formation Tops

Top of Salt	1,200
Bottom of Salt	5,190
Delaware	5,270
Cherry Cnyn	5,703
Bone Spring	9,470

Not to Scale

By: CC 8/23/23

**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 575-689-5981.

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. 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). A weep hole shall be left if a metal plate is welded in place.

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.



# 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

Sundry ID		2747748					
Plug Type	Top	Bottom	Length	Tag	Sacks	Cement Class	Notes
Surface Plug	0.00	100.00	100.00	Tag/Verify	30.00	C	Perforate and squeeze from 100' to surface. (In 10 sxs/Out 20 sxs) Verify at surface.
Shoe Plug	925.15	1035.00	109.85	Tag/Verify			
Top of Salt @ 1153	1091.47	1203.00	111.53	Tag/Verify	82.00	C	Perforate and squeeze from 1203' to 925'. WOC and Tag. (In 27 sxs/Out 55 sxs)
Spacer Plug @ 3000	2920.00	3050.00	130.00	If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations	25.00	C	Spot cement from 3050' to 2920'. WOC and Tag.
Base of Salt @ 5056	4955.44	5106.00	150.56	Tag/Verify			
Shoe Plug	5083.15	5235.00	151.85	Tag/Verify			
Delaware @ 5324	5220.76	5374.00	153.24	If solid base no need to Tag (CIBP present and/or Mechanical Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforations	40.00	C	Spot cement from 5374' to 4955'. WOC and Tag.

				If solid base no need to Tag (CIBP present and/or Mechanic al Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforatio ns			
<b>Spacer Plug @ 6450</b>	6335.50	6500.00	164.50	ns	25.00	C	Spot cement from 6500' to 6335'.
<b>KOP @ 9265</b>	9122.35	9315.00	192.65	If solid			
				If solid base no need to Tag (CIBP present and/or Mechanic al Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforatio ns			
<b>CIBP Plug</b>	9230.00	9265.00	35.00	ns	25.00	H	Set CIBP at 9265'. Leak test CIBP. Spot 25 sxs on top.
<b>Bonesprings @ 9480</b>	9335.20	9530.00	194.80	If solid			
<b>Shoe Plug</b>	9587.65	9785.00	197.35	Tag/Verify			
<b>Perforations Plug (If No CIBP)</b>	10076.00	16561.00	6485.00	Tag/Verify			

No more than 2000' is to be allowed between plugs in open hole, and no more than 3000' between plugs in cased hole.

Class H >7500'

Class C <7500'

Fluid used to mix the cement in R111P shall be saturated with the salts common to the section penetrated, and in suitable proportions, but not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.

Medium, Secretary: Top of salt to surface If no salt take the deepest fresh water or Karst Depth

High, Critical: Bottom of Karst to surface or Deepest fresh water, whichever is greater

R111P: 50 Feet from Base of Salt to surface.

Class C: 1.32 ft<sup>3</sup>/sx

Class H: 1.06 ft<sup>3</sup>/sx

Onshore Order 2.III.G Drilling Abandonment Requirements: "All formations bearing usable-quality water, oil, gas, or geothermal resources, and/or a prospectively valuable deposit of minerals shall be protected.

Cave Karst/Potash Cement	Low		
Shoe @	985.00		
Shoe @	5185.00		
Shoe @	9735.00	TOC @	3708.00
Perforatons Top @	10126.00	Perforations	16511.00
		CIBP @	9265.00

**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 264324

COMMENTS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 264324
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM.	9/29/2023

**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 264324

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 264324
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	Spot 25 sacks cement at 5750' - 5500' - T Cherry Canyon	9/29/2023