

Well Name: RIPPLE 32 FED COM	Well Location: T26S / R31E / SEC 32 / LOT 2 / 32.001273 / -103.797163	County or Parish/State: EDDY / NM
Well Number: 724H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM0437880	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001549621	Well Status: Drilling Well	Operator: EOG RESOURCES INCORPORATED

Notice of Intent

Sundry ID: 2747941

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 08/25/2023	Time Sundry Submitted: 08:34
Date proposed operation will begin: 10/01/2023	

Procedure Description: EOG LOST THIS WELL WHILE RUNNING CASING. TOTAL DEPTH IS @ 7688', 178' FROM THE TOP OF THE BONE SPRING LIME. 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

Ripple_32_Fed_Com__724H_P_A_Procedure_20230825083407.pdf

Received by OCD: 8/28/2023 7:34:01 AM

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Conditions of Approval

Specialist Review

Ripple_32_Fed_Com__724H_P_A_Procedure_20230825082903_P_A_20230825150702.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 MADDUX	Signed on: AUG 25, 2023 08:34 AM
Name: EOG RESOURCES INCORPORATED	
Title: Regulatory Specialist	
Street Address: 5509 CHAMPIONS DR.	
City: MIDLAND	State: TX
Phone: (432) 638-8475	
Email address: KAY_MADDUX@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: 08/25/2023
Signature: Keith Immatty	

BLM Note: TA status valid for 90days from approval under the current conditions. Procedure reviewed with operator and is OK as proposed -

EOG Resources
Ripple 32 Fed Com #724H
Proposed Procedure to P&A Well
8/20/2023

General Drilling Info

API Number: 30-015-49621
Surface Location: 1780' FNL & 1683' FEL
Section 32 Township 26S Range 31E

Casing Information

9-5/8" 36# J55 LTC: 1,193' MD/TVD
7-5/8" 29.7# P110ICY MO FXL: 7,688' MD / 7,640' TVD

Current/Final TD: 10,895' MD / 10,844' TVD

Formation tops: Please see attached proposed P&A wellbore diagram

Recommended Procedure to P&A Well:

1. MIRU workover rig (< 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 least 24 hrs prior to starting P&A operations.
3. MIRU workover rig. ND WH, NU and test BOPE.
4. Drill out cement and clean hole down to 50' below the top of the Bone Spring Lime (7,915' MD / 7,865' TVD)
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. Perform CBL from casing collar (7,688') to surface to ensure adequate cement on backside of 7-5/8" casing.
 - a. Note: If CBL does not show adequate cement behind 7-5/8" casing, contact BLM to discuss modified plan
7. Spot Cement Plug #1 - Ensure the end of tubing is at 7,915'. Spot a 277' cement plug from 7,915' to 7,638' to cover from the top of the Bone Spring Lime (@ 7,865' MD / 7,815' TVD) to the 7-5/8" shoe. 60 sx of Class H cement mixed at 14.8 ppg (1.32 yld) will be required.
8. PU above TOC and wait at least 4 hrs. Pressure test casing to 500 psi for 30 mins.

EOG Resources
Ripple 32 Fed Com 724H
Purple Sage (Wolfcamp) Field
 30-015-49621
 1780' FNL & 1683' FEL
 Section 32 Township 26S Range 31E
 Eddy County, New Mexico

Existing WBD
8/20/2023

Formation Top	TVD
Rustler	1087'
Tamarisk	1142'
Top of Salt	1308'
Base of Salt	3664'
Lamar	3867'
Bell Canyon	3896'
Cherry Canyon	4822'
Brushy Canyon	6127'
Bone Spring Lime	7815'
Leonard	7929'
First BS Sand	8760'
Second BS Shale	9067'
Second BS Sand	9399'
Third BS Carb	9976'
Third BS Sand	10704'
Wolfcamp	11052'

Surface Casing @ 1193' MD/TVD

9-5/8" 36.0# J55 LTC

Burst: 3520 psi Collapse: 2020 psi

Estimated top of cement inside 7-5/8" casing @ 6490' MD
 Above TOC casing is full of 10 ppg BW

Intermediate Casing @ 7688' MD/7640' TVD

7-5/8" 29.7# P110ICY MO FXL

Burst: 8610 psi Collapse: 7360 psi Tensile: 747 kips

ID: 6.875" Drift: 6.750"

TOC: 200

OH TD: 10,895' MD/10,844' TVD

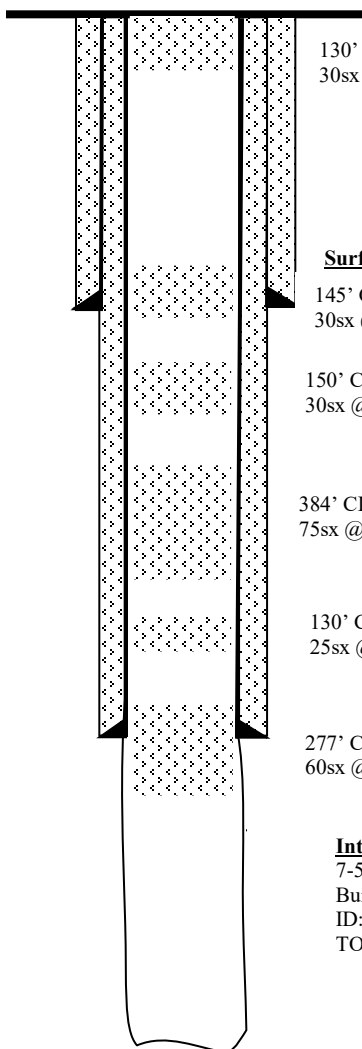
Well History:

Report Date	Activity Description
8/20/2023	Unable to run 7-5/8" casing below 7688' MD. Halliburton M&P 1 st stage CJ down 7-5/8" casing - 310 sx (68 bbls) of 15.6 ppg lead cmt (1.23 yld) + 100 sx (20 bbls) 16.2 ppg tail cmt (1.14 yld). Displaced with 20 bbls FW + 260 bbls BW + 17 bbls FW (all containing CI & biocide). FCP 5 bpm @ 265 psi. Intentionally left 1198' of cement inside casing. 260 bbls of BW lost to formation. 33% returns throughout CJ.
8/20/2023	RD Halliburton from casing & RU for 2 nd stage (BHS). Established inj pressures as follows, 2 bpm - 200 psi, 3 bpm - 368 psi, 4 bpm - 490 psi, 5 bpm - 664 psi, 6 bpm - 1810 psi. Pumped 40 bbls of FW spacer + M&P 1000 sx (270 bbls) of 14.8 ppg squeeze cmt (1.51 yld) @ 5 bpm. Displaced with 3 bbls of FW to WH.
8/20/2023	WOC 8 hrs. Inside 7-5/8" csg 60 psi, 7-5/8" x 9-5/8" annulus 275 psi.
8/20/2023	Bled 60 psi off of inside of 7-5/8" csg (0.10 bbls). RU BOP testers. Tested inside of 7-5/8" csg to 500 psi/30 minutes. Good test. Flow check ID and backside 1.75 hours. Well static. Attempted to PU BOP stack to set slips on 7-5/8" csg. Well started to flow. Set stack back down. Waited on cmt an additional 3.75 hrs. Flow check for 1 hour, well static.
8/20/2023	PU BOP stack, set slips on 7-5/8" IC with 110 kips. Installed pack-off and tested same with 5000 psi. Good test. Set TA plug and cap, closed all csg valves. Released rig to Ripple 32 FC 726 @ 2:30 am on 8/20/2023.

EOG Resources
Ripple 32 Fed Com 724H
Purple Sage (Wolfcamp) Field
 30-015-49621
 1780' FNL & 1683' FEL
 Section 32 Township 26S Range 31E
 Eddy County, New Mexico

Proposed P&A WBD
8/20/2023

Formation Top	TVD
Rustler	1087'
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Third BS Carb	9976'
Third BS Sand	10704'
Wolfcamp	11052'



130' CL C cmt plug @ surface
 30sx @14.8 ppg / 1.32 yld; (tag req'd)

Surface Casing @ 1193' MD/TVD

145' CL C cmt plug from 1,273' - 1,128' to cover shoe
 30sx @14.8 ppg / 1.32 yld; (tag req'd)

150' CL C cmt plug from 1,383' - 1,233' to cover top of Salt
 30sx @14.8 ppg / 1.32 yld; (tag req'd)

384' CL C cmt plug from 3,973' MD / 3,946' TVD - 3,589' MD / 3,564' TVD to cover top of Delaware & BTM of Salt
 75sx @14.8 ppg / 1.32 yld

130' CL C cmt plug from 5,870' - 5,740'
 25sx @ 14.8 ppg / 1.32 yld

277' CI H cmt plug from 7915' MD - 7,638' to cover top of Bone Spring Lime to casing shoe
 60sx @14.8 ppg / 1.32 yld

Intermediate Casing @ 7688' MD/7640' TVD

7-5/8" 29.7# P110ICY MO FXL

Burst: 8610 psi Collapse: 7360 psi Tensile: 747 kips

ID: 6.875" Drift: 6.750"

TOC: 200

OH TD: 10,895' MD/10,844' TVD

**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 90th day provide this office, prior to the 90th 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 10th 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

- a. If pressure test does not hold, contact BLM to discuss setting a CIBP above potential casing leak.
9. Spot Cement Plug #2 - PU until the end of tubing is at 5,870' Spot a 130' cement plug from 5,870' to 5,740'. 25 sx of Class C cement mixed at 14.8 ppg (1.32 yld) will be required.
10. Spot Cement Plug #3 - PU until the end of tubing is at 3,973' MD / 3,946 TVD. Spot a 384' cement plug from 3,973' to 3,589' (3,564' TVD) to cover from the base of the salt (@ 3,664' TVD) to the top of the Delaware (3,896' TVD). 75 sx of Class C cement mixed at 14.8 ppg (1.32 yld) will be required.
11. Spot Cement Plug #4 – PU until the end of tubing is at 1,383'. Spot a 150' cement plug from 1,383' to 1,233' to cover from the top of salt (@ 1,308'). 30 sx of Class C cement mixed at 14.8 ppg (1.32 yld) will be required. Tag required.
12. PU above TOC and wait at least 4 hrs. Tag TOC to verify that the TOC is at 1,258' or less.
13. Spot Cement Plug #5 – PU until the end of tubing is at 1,273'. Spot a 145' cement plug from 1,273' to 1,128' to cover the surface casing shoe (@ 1,193'). 30 sx of Class C cement mixed at 14.8 ppg (1.32 yld) will be required. Tag required.
14. PU above TOC and wait at least 4 hrs. Tag TOC to verify that the TOC is at 1,143' or less.
15. Spot Cement Plug #6 – 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.
16. 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.
17. Cut off wellhead and all casing strings to the base of the cellar or at least 3' below ground level.
18. 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 – Ripple 32 Fed Com #724H
 - ii. Name of operator – EOG Resources
 - iii. Lease serial number – NMNM0437880
 - iv. Surface location survey information
1780' FNL & 1683' FEL
Sec 32-T26S-R31E

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 258024

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 258024
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	In addition to the cement plugs per BLM, NM OCD will require a minimum 100' Class H cement plug be placed at the bottom of this well at 10,895'.	8/28/2023