

Well Name: BIG FREDDY AVQ
FEDERAL

Well Location: T23S / R22E / SEC 10 /
SWNE / 32.3203262 / -104.6889813

County or Parish/State: EDDY /
NM

Well Number: 1

Type of Well: CONVENTIONAL GAS
WELL

Allottee or Tribe Name:

Lease Number: NMNM90847

Unit or CA Name:

Unit or CA Number:

US Well Number: 300152973400C3

Operator: RAYBAW OPERATING LLC

LONG VO

Digitally signed by LONG
VO
Date: 2025.05.30 11:16:59
-05'00'

Notice of Intent

Sundry ID: 2850127

Type of Submission: Notice of Intent

Date Sundry Submitted: 04/30/2025

Date proposed operation will begin: 06/02/2025

Type of Action: Plug and Abandonment

Time Sundry Submitted: 08:49

Procedure Description: 1. Set CIBP @ 8621, Spot 54 sx Hcmt plug from 8621-8186 WOC and Tag. (strawn plug)
2. set CIBP @ 7318. Circ MLF and pressure test CSG, Spot 25 sx H cmt plug on top of CIBP- 3. Spot 25 sx C cmt
plug from 5878-5719.(WC Plug) 4. Perf & Sqz 38sx C cmt from 2988-2858. (Bone Spring Plug) 5. Perf & Sqz 46sx C
cmt from 1990-1840.(Glorieta & intermediate shoe Plug) 6. Perf & circulate 149sx C cmt from 489' to surface. (SA &
Surface shoe Plug) 8. Cut off WH and install DH maker

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Big_Freddy_AVQ_Federal_001_P_A_Docs_20250430084604.pdf

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

Received by OCD: 5/30/2025 1:13:07 PM

Page 2 of 17

Well Name: BIG FREDDY AVQ FEDERAL		Well Location: T23S / R22E / SEC 10 / SWNE / 32.3203262 / -104.6889813	County or Parish/State: EDDY / NM
Well Number: 1	Type of Well: CONVENTIONAL GAS WELL		Allottee or Tribe Name:
Lease Number: NMNM90847	Unit or CA Name:	Unit or CA Number:	
US Well Number: 300152973400C3	Operator: RAYBAW OPERATING LLC		

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: RONDA WHITE

Signed on: APR 30, 2025 08:46 AM

Name: RAYBAW OPERATING LLC

Title: Regulatory Analyst

Street Address: 2626 COLE AVE SUITE 300

City: DALLASState: TX

Phone: (432) 425-3494

Email address: RONDA@OAKNRG.COM

Field

Representative Name: Tim Houghtling

Street Address: 2626 Cole Ave.

City: DallasState: TXZip: 75024

Phone: (575)513-0131

Email address: TimH928@msn.com

APPROVED by Long Vo
Petroleum Engineer
Carlsbad Field Office
575-988-50402
LVO@BLM.GOV

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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. **NMNM90847**
6. If Indian, Allottee or Tribe Name**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator **RAYBAW OPERATING LLC**3a. Address **2626 COLE AVENUE SUITE 300, DALLAS, TX 75204**3b. Phone No. (include area code)
(214) 800-2301

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.
BIG FREDDY AVQ FEDERAL/19. API Well No. **3001529734**10. Field and Pool or Exploratory Area
HUAPACHE-ATOKA/HUAPACHE-STRAWN4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC 10/T23S/R22E/NMP11. Country or Parish, State
EDDY/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 recompleat 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 recompleat 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.)

1. Set CIBP @ 8621, Spot 45 sx Hcmt plug from 8621-8270. (strawn plug)
2. set CIBP @ 7318. Circ MLF and pressure test CSG, Spot 25 sx H cmt plug from 7318-
3. Spot 25 sx C cmt plug from 5778-5878. (WC Plug)
4. Perf & Sqz 35sx C cmt from 2888-2988. (Bone Spring Plug)
5. Perf & Sqz 35sx C cmt from 1890-1990. (Glorieta & intermediate shoe Plug)
6. Perf & Sqz 65sx C cmt from 280-489. (SA & Surface shoe Plug)
7. Perf & Sqz 35sx C cmt from 0-100. (Surface Plug)
8. Cut off WH and install DH maker

**See Attached
for Revised Procedure**14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
RONDA WHITE / Ph: (432) 425-3494Title **Regulatory Analyst**

Signature (Electronic Submission)

Date **04/30/2025****THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Long VoTitle **Petroleum Engineer**Date **5-30-2025**

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 **Carlsbad Field Office**

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: SWNE / 1980 FNL / 1980 FEL / TWSP: 23S / RANGE: 22E / SECTION: 10 / LAT: 32.3203262 / LONG: -104.6889813 (TVD: 0 feet, MD: 0 feet)

BHL: SWNE / 1980 FNL / 1980 FEL / TWSP: 23S / SECTION: / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)

Medium Cave, 350'

Plug Abandonment NOI Proposed

OPERATOR NAME:	RAYBAW Operating, LLC
LEASE NO.:	
WELL NAME & NO.:	Big Freddie AVQ Federal 001
US WELL NUMBER:	30-015-29734
LOCATION:	Sec 10, T23S, R22E
COUNTY:	Eddy County, NM

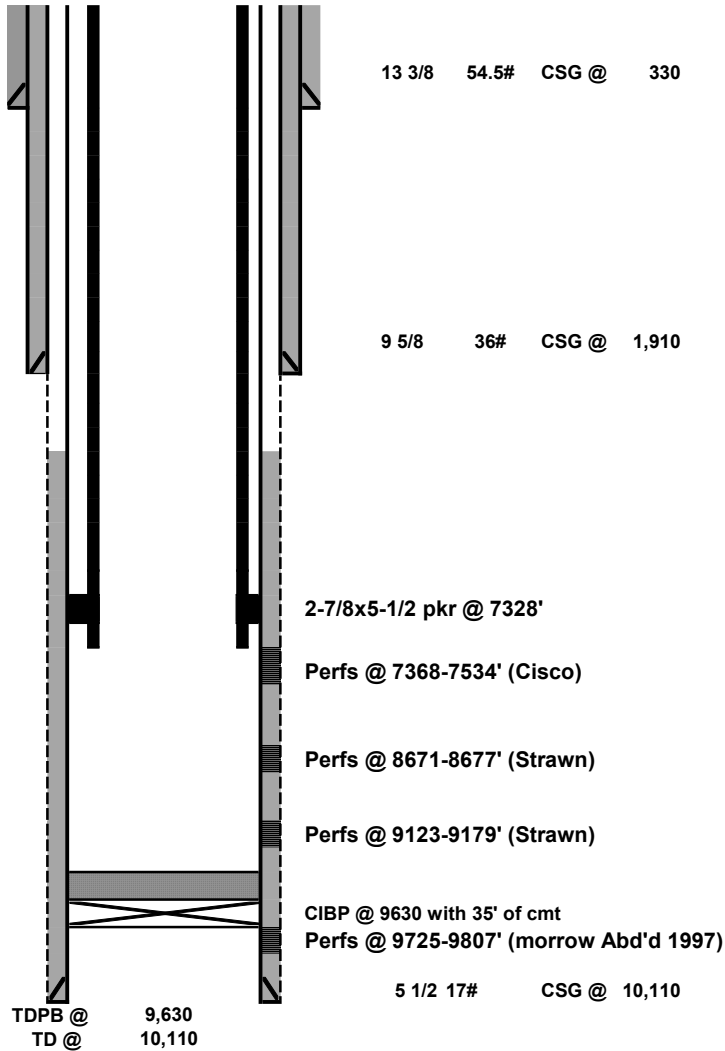
1. Set CIBP @ 8621, Spot **54** sx H cmt plug from 8621-**8186**. (strawn plug) **WOC and Tag**
2. set CIBP @ 7318. Circ MLF and pressure test CSG, Spot 25 sx H cmt **on top of CIBP**
3. Spot 25 sx C cmt plug from **5878' to 5719'**. (WC Plug)
4. Perf & Sqz **38**sx C cmt from **2988' to 2858'**. (Bone Spring Plug) **WOC and Tag**
5. Perf & Sqz **46**sx C cmt from **1990' to 1840'**. (Glorieta & intermediate shoe Plug) **WOC and Tag**
6. Perf & **circulate 149**sx C cmt from **489' to surface**. (SA & Surface shoe Plug) **Verify at surface**
7. Cut off WH and install DH maker

REVISED

11:08 am, May 30, 2025

RAYBAW Operating, LLC		CURRENT	
Author:		Well No.	001
Well Name	3ig Freddie AVQ Federa	API #:	30-015-29734
Field/Pool	idian Basin Up Penn , S	Location:	Sec 10, T23S, R22E
County	Eddy		
State	NM		
Spud Date	8/31/1997	GL:	4479

Description	O.D.	Grade	Weight	Depth	Hole	Cmt Sx	TOC
Surface Csg	13 3/8	J-55	54.5#	330	17 1/2	550	Surf
Inter Csg	9 5/8	J-55	36#	1,910	12 1/4	900	Surf
Prod Csg	5 1/2	N-80&J-55	17#	10,110	8 3/4	1,050	5,500

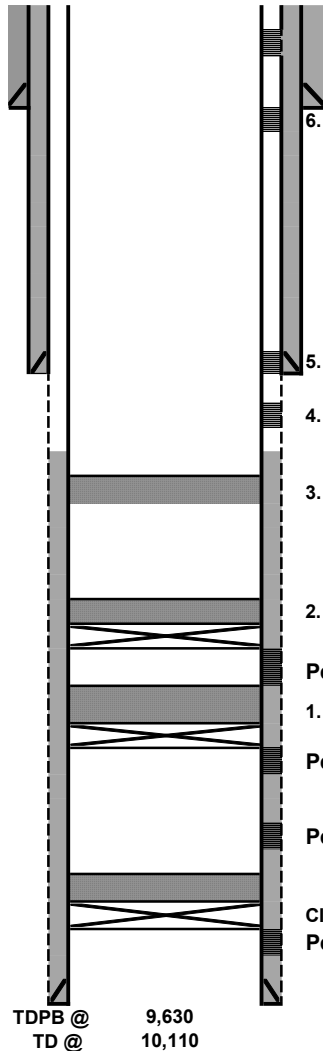


Formation	Top
SA	439
Bone Springs	
Wolfcamp	5,828
Cisco	7,225
Canyon	7,785
Strawn	8,320
Atoka	9220
Morrow	9689

32.3203392
-104.6890106

RAYBAW Operating, LLC		PROPOSED Rev. a	
Author:	Bart Murphy	Well No.	001
Well Name:	Big Freddie AVQ Federa	API #:	30-015-29734
Field/Pool:	idian Basin Up Penn , S	Location:	Sec 10, T23S, R22E
County:	Eddy		
State:	NM		
Spud Date:	8/31/1997	GL:	4479

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Prod Csg	5 1/2	N-80&J-55	17#	10,110	8 3/4	1,050	5,500



13 3/8 54.5# CSG @ 330

6. Perf & Sqz 149sx C cmt from 489' to surface. (SA & Surface shoe Plug)

9 5/8 36# CSG @ 1,910

5. Perf & Sqz 46sx C cmt from 1840-1990. WOC and Tag(Glorieta & intermediate shoe Plug)

4. Perf & Sqz 38sx C cmt from 2858-2988. WOC and Tag(Bone Spring Plug)

3. Spot 25 sx C cmt plug from 5878' to 5719'. (WC Plug)

2. set CIBP @ 7318. Circ MLF and pressure test CSG, Spot 25 sx H cmt plug from 7318-7175. (Cisco Plug)

Perfs @ 7368-7534' (Cisco)

1. Set CIBP @ 8621, Spot 54 sx Hcmt plug from 8621-8186. (strawn plug) WOC and Tag.

Perfs @ 8671-8677' (Strawn)

Perfs @ 9123-9179' (Strawn)

CIBP @ 9630 with 35' of cmt

Perfs @ 9725-9807' (morrow Abd'd 1997)

5 1/2 17# CSG @ 10,110

TDPB @ 9,630
TD @ 10,110

Formation	Top
SA	439
Glorieta	1,940
Bone Wpring	2,938
Wolfcamp	5,828
Cisco	7,225
Canyon	7,785
Strawn	8,320
Atoka	9,220
Morrow	9,689

32.3203392
-104.6890106

*Run CBL from CIBP to surface. CIBP at 7318'

Submit results to BLM.

REVISED

11:08 am, May 30, 2025

Outside of Lesser Prairie Chicken Area

**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.

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.

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; Lea County, call 575-689-5981. Eddy County, please email notifications to: [BLM NM CFO PluggingNotifications@BLM.GOV](mailto:BLM_NM_CFO_PluggingNotifications@BLM.GOV). The Eddy County inspector on call phone, 575-361-2822, will remain active as a secondary contact.

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.

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 water. Minimum nine (9) pounds per gallon.

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 for Class C or accelerated cement (calcium chloride) and 6 hours for Class H. 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.

Fluid used to mix the cement in R111Q shall be saturated with the salts common to the section penetrated, and in suitable proportions but not less than 1% and not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.

Above Ground Level Marker: If outside of Lesser Prairie-Chicken Habitat an above ground level marker shall be utilized. 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 *BY PHONE* (numbers listed in 2. Notifications) 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 14th 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.

Below Ground Level Marker: If within Lesser Prairie-Chicken Habitat a below ground level marker shall be utilized. 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 *BY PHONE* (numbers listed in 2. Notifications) 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 14th 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. The following information shall be permanently inscribed on the plate: well name and number, name of 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).

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.

Operator to verify the ground marker type with the BLM before setting dry hole Marker.

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.**

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 1st through June 15th 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.

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.

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.

The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.

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.

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.

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.

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

Angela Mohle
Environmental Protection Specialist
575-234-9226

Robert Duenas
Environmental Protection Specialist
575-234-2229

Terry Gregston
Environmental Protection/HAZMAT Specialist
575-234-5958

Sundry ID		2773804					
Plug Type	Top	Bottom	Length	Tag	Sacks	Cement Class	Notes
Surface Plug	0.00	100.00	100.00	Tag/Verify			
13.375 inch- Shoe Plug	389.56	494.00	104.44	Tag/Verify	49.00	C	Spot 49 sxs cement from 494' to surface. Verify at surface. If no cement behind casing perf and squeeze instead. (In 49 sx/Out 73 sxs)
Top of Salt @ 1511	1445.89	1561.00	115.11	Tag/Verify	25.00	C	Spot 25 sxs cement from 1561' to 1445'. WOC and Tag. If no cement behind casing perf and squeeze instead, WOC and Tag. (In 12 sx/Out 17 sxs)
Base of Salt @ 2593	2517.07	2643.00	125.93	Tag/Verify			
Yates @ 2726	2648.74	2776.00	127.26	If solid			
8.625 inch- Shoe Plug	2649.73	2777.00	127.27	Tag/Verify	26.00	C	Spot 26 sxs cement from 2777' to 2517'. WOC and Tag. If no cement behind casing perf and squeeze instead, WOC and Tag. (In 26 sx/Out 38 sxs)
Queen @ 3940	3850.60	3990.00	139.40	If solid			
Greyburg @ 4520	4424.80	4570.00	145.20	If solid			
Capitan Reef @ 4570	4474.30	4620.00	145.70	If solid			
San Andres @ 4911	4811.89	4961.00	149.11	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	110.00	C	Spot 110 sxs cement from 4961' to 3850'. If no cement behind casing perf and squeeze instead, WOC and Tag. (In 110 sx/Out 146 sxs)

				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			
Delaware @ 5656	5549.44	5706.00	156.56	ns	25.00	C	Spot 25 sxs cement from 5706' to 5549'. If no cement behind casing perf and squeeze instead, WOC and Tag. (In 16 sx/Out 21 sxs)
				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			
Bonesprings @ 6821	6702.79	6871.00	168.21	ns	25.00	C	Spot 25 sxs cement from 6871' to 6702'. If no cement behind casing perf and squeeze instead, WOC and Tag. (In 17 sx/Out 23 sxs)
				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			
CIBP Plug	8306.00	8341.00	35.00	ns	25.00	H	Set CIBP at 8341'. Spot 25 sxs on top. Leak test CIBP. Run CBL from top of CIBP to surface.
Perforations Plug (If No CIBP)	8341.00	8554.00	213.00	Tag/Verify			
5.5 inch- Shoe Plug	9344.11	9539.00	194.89	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 ft³/sx

Class H: 1.06 ft³/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 Requirement:

Low

13.375 inch- Shoe Plug @

444.00

8.625 inch- Shoe Plug @

2727.00

5.5 inch- Shoe Plug @

9489.00

TOC @ n/a

Perforatons Top @

8391.00

Perforations 8504.00

CIBP @ 8341.00

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 469383

CONDITIONS

Operator: RAYBAW Operating, LLC 2626 Cole Avenue Dallas, TX 75204	OGRID: 330220
	Action Number: 469383
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	Run CBL from 7318 to Surface	6/10/2025
gcordero	A Cement Bond Log (CBL) is required to be submitted to electronic permitting.	6/10/2025
gcordero	Submit Cement Bond Logs (CBL) prior to submittal of C-103P.	6/10/2025