

U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

<b>Well Name:</b> DWU FEDERAL	<b>Well Location:</b> T19S / R28E / SEC 34 / SWSE /	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 4	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM0473362	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3001523078	<b>Well Status:</b> Oil Well Shut In	<b>Operator:</b> COLGATE OPERATING LLC

Accepted for record – NMOCD gc8/16/2023

**Notice of Intent**

**Sundry ID:** 2741117

**Type of Submission:** Notice of Intent

**Type of Action:** Plug and Abandonment

**Date Sundry Submitted:** 07/17/2023

**Time Sundry Submitted:** 08:39

**Date proposed operation will begin:** 08/01/2023

**Procedure Description:** Colgate Operating, LLC respectfully requests to P&A this well. Please see the attached procedure w/current and proposed WBD.

Approval Subject to  
General Requirements and  
Special Stipulations  
Attached

**Surface Disturbance**

**Is any additional surface disturbance proposed?:** No

**NOI Attachments**

**Procedure Description**

Procedure\_PA\_DWU\_Federal\_4\_June\_2023\_20230717082305.pdf

DWU\_Federal\_4\_Proposed\_WBD\_20230717082305.pdf

DWU\_Federal\_4\_Current\_WBD\_20230717082305.pdf

Well Name: DWU FEDERAL

Well Location: T19S / R28E / SEC 34 / SWSE /

County or Parish/State: EDDY / NM

Well Number: 4

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMNM0473362

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001523078

Well Status: Oil Well Shut In

Operator: COLGATE 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: KANICIA02 SCHLICHTING

Signed on: JUL 17, 2023 08:37 AM

Name: COLGATE OPERATING LLC

Title: Regulatory Specialist

Street Address: 300 N MARIENFELD ST SUITE 1000

City: MIDLAND

State: TX

Phone: (432) 232-2875

Email address: KANICIA.SCHLICHTING@PERMIANRES.COM

**Field**

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

Form 3160-5  
(June 2019)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

<b>SUBMIT IN TRIPLICATE - Other instructions on page 2</b>		5. Lease Serial No.
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator		7. If Unit of CA/Agreement, Name and/or No.
3a. Address	3b. Phone No. (include area code)	8. Well Name and No.
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		9. API Well No.
		10. Field and Pool or Exploratory Area
		11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 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 recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	Title
Signature	Date

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

Approved by	Title	Date
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	

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: SWSE / 800 FSL / 2000 FEL / TWSP: 19S / RANGE: 28E / SECTION: 34 / LAT: 0.0 / LONG: 0.0 ( TVD: 0 feet, MD: 0 feet )

BHL: SWSE / 800 FSL / 2000 FEL / TWSP: 19S / SECTION: / LAT: 0.0 / LONG: 0.0 ( TVD: 0 feet, MD: 0 feet )

**DWU Federal #4 – P&A Procedure****AFE: 501006****Objective:**

Plug and abandon the DWU Federal #4 and reclaim the land to its original state.

**Location:**

- API: 30-015-23078
- Sec 34, T19S, R28E, 800' FSL, 2,000' FEL

**Current Configuration:**

- Surface Casing: 13-3/8" 61# K-55, Surface – 358'
- Intermediate Casing: 8-5/8" 24# J-55, Surface – 2,982'
- Production Casing: 5-1/2" 17# N-80, Surface – 11,220'
  - Drift = 4.767", ID = 4.892"
- CIBP @ 8,200'
  - Squeezed perfs @ 8,000'
- 5-1/2" Packer on 2-3/8" 6# L-80 tubing set at 6,265'
- Perforations
  - 6,340' – 6,448'

**Procedure:**

1. Conduct a pre-job safety meeting and ensure that all personnel involved in the operation understand the task's scope and hazards.
2. MIRU workover rig. Check tubing and casing pressure, order out kill fluid if required.
3. NU & test BOPE.
4. Unset Pkr at 6,265'. POOH with 2-3/8" tubing scanning, laying down all pipe. Separate YB/BB from GB/RB.
5. MIRU WL and prep to set CIBP. Make GR/JB run to ensure casing is clear. PU & RIH with 5-1/2" 17-20# CIBP on WL and set at 6,245' MD w/ 35' cmt on top. **Must be Dump Bailer.**
6. Wait 4-6 hours for cmt to cure. Load test the hole to 500 psi.
  - a. Hold pressure for **30** minutes and verify less than 10% pressure drop
  - b. Open all intermediate/surface casing valves during internal pressure test and verify no flow or change in pressure.
  - c. If pressure test passes proceed to plug out the well.
  - d. If tests fails, contact engineering, prepare to chase potential casing leak.
7. Order out ~6,500' of 2-3/8" work string for TA operations.
8. **Run CBL verify cement behind casing. If cement behind casing above 3032' no need to perforation below 3032'.**
9. RIH w/ work string and **perforate and attempt squeeze Class C cmt @ 4404' to 4260'. WOC and Tag. 33 sxs (In 14 sxs/Out 19 sxs)**
10. Pull up hole laying down tubing to **3093', perforate and attempt squeeze 3093' to 2352'. (In 70 sxs/Out 107 sxs)**
  - a. **If no injection, perforate again at 3032'.**
    - i. **If injection rate at 3032' circulate behind casing to 2352'. Otherwise.**
    - ii. **Check for communications with packer. If perforations communicate, squeeze between casing.**
    - iii. **If no communication, perforate again at 2477'.**  
**If injection rate at 2477' circulate behind casing to 2352'. Otherwise.**  
**Check for communication with packer.**  
**If perforations communicate from 3032' to 2477', squeeze between casing.**
    - iv. **If no communication between perforations, no need to squeeze cement.**
    - v. **Spot cement from 3143' to 2352'. WOC and Tag.**
11. Pull up hole laying down tubing to **956'** and **perforate and squeeze from 956' to 615'. WOC and Tag. (In 33 sxs/Out 50 sxs) WOC and Tag. Class C.**
12. Pull up hole laying down tubing to **408'** and **Perf and squeeze from 408' to surface.** Class C cmt and POOH with work string standing back. **(In 39 sxs/Out 60 sxs) Verify at surface.**
13. **Let cmt cure for 4-6 hours then RIH and tag final plug. POOH with remaining work string and lay down.**
14. Load test the hole to 500 psi for 15 min.

**Permian Resources - Proposed WBD**

Well: **DWU Federal #4**

API #: **30-015-23078**

State **New Mexico**

County: **Eddy**

FM Target: **Morrow - Bone Spring**

Fields: **Old Millman Ranch; Bone Spring**

Location: **Sec 34, T19S, R28E, 800' FSL, 2000' FEL**

**Winchester - Morrow**

KB Elev: **3315**

KB: **17**

GL Elev: **3298**

**Tubular Detail**

String	Size	Lb/ft	Grade	Cxn	From	To	Burst	Clips
Surface	13.375	61	K55	STC	0'	358	1730	770
Intermediate	8.625	24	J55	STC	0'	2,982	3930	2,530
Production	5.5	17.0	N80	LT&C	0'	11,220	9190	8,830

Class C cmt plug from 150' - 250'

Surface

TD @ 358'

Approval Subject to  
General Requirements and  
Special Stipulations  
Attached

17.5"

11"

Class C cmt plug from 1,900' - 2,000'

Intermediate

TD @ 2982'

TOC @ 3000'

Class C cmt plug from 3,400' - 3,500'

7.875"

Class C cmt plug from 4,900' - 5,000'

CIBP @ 6245' w/ 35' cmt on top

Bone Spring Perfs: 6340' - 6448'

Cmt inside pipe @ 6720'

Squeeze Perfs @ 8000'

CIBP @ 8200'

Wolfcamp Perfs: 8,998' - 9,046'

Morrow Perfs: 11,006' - 11,026'

Production

TD @ 11,220'

PBTD @ 11,185'

**Permian Resources - Current WBD**

Well: **DWU Federal #4**

API #: **30-015-23078**

State **New Mexico**

County: **Eddy**

FM Target: **Morrow - Bone Spring**

Fields: **Old Millman Ranch; Bone Spring**

Location: **Sec 34, T19S, R28E, 800' FSL, 2000' FEL**

**Winchester - Morrow**

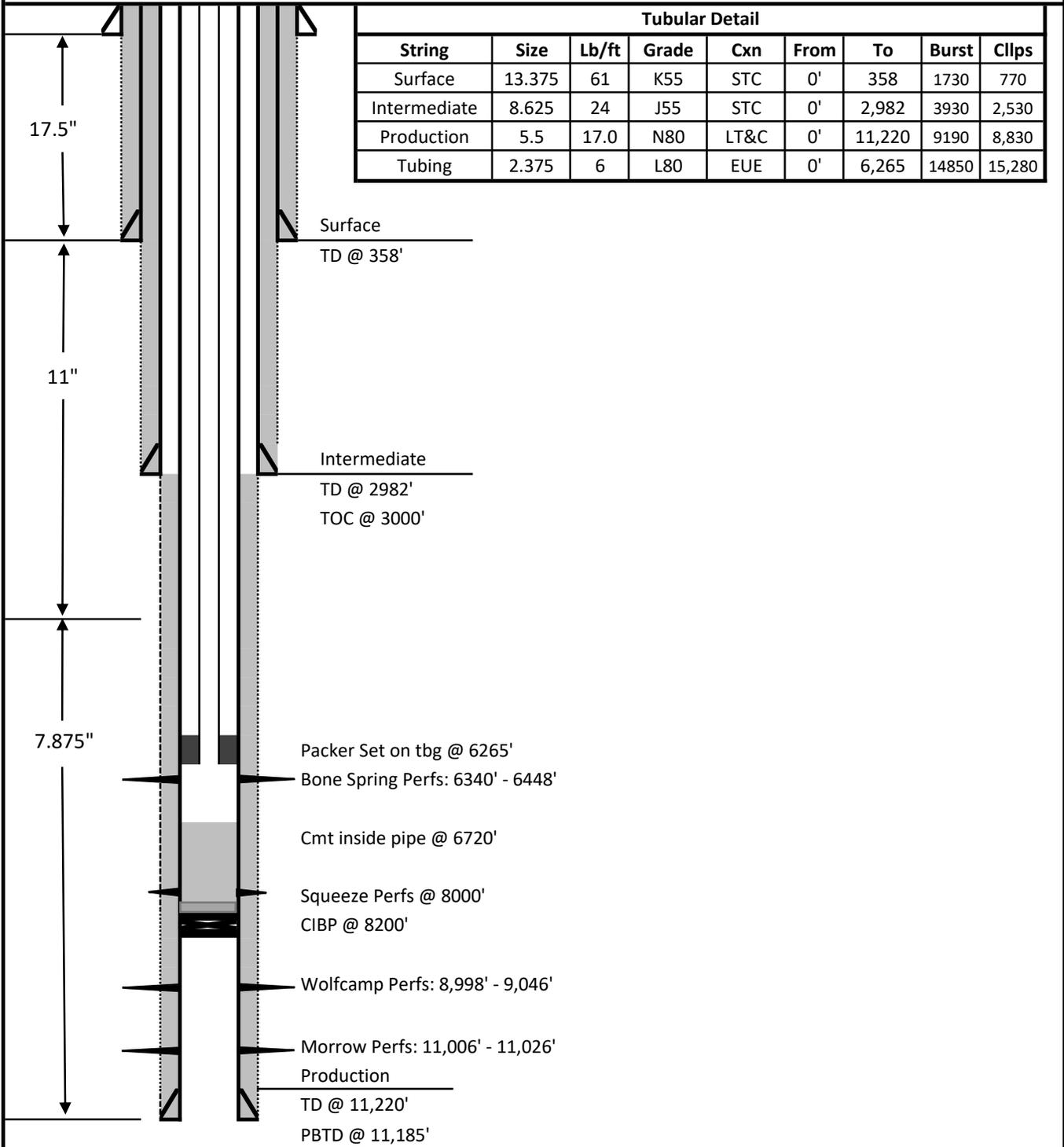
KB Elev: **3315**

KB: **17**

GL Elev: **3298**

**Tubular Detail**

String	Size	Lb/ft	Grade	Cxn	From	To	Burst	Clips
Surface	13.375	61	K55	STC	0'	358	1730	770
Intermediate	8.625	24	J55	STC	0'	2,982	3930	2,530
Production	5.5	17.0	N80	LT&C	0'	11,220	9190	8,830
Tubing	2.375	6	L80	EUE	0'	6,265	14850	15,280



**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.

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

Sundry ID 2741117

Plug Type	Top	Bottom	Length	Tag	Sacks	Cement Class	Notes
Surface Plug	0.00	100.00	100.00	Tag/Verify			
Fresh Water @ 265	212.35	315.00	102.65	If solid			
Top of Salt @ 352	298.48	402.00	103.52	Tag/Verify			
Shoe Plug	304.42	408.00	103.58	Tag/Verify	99.00	C	Perf and squeeze from 408' to surface. (In 39 sxs/Out 60 sxs) Verify at surface.
Base of Salt @ 672	615.28	722.00	106.72	Tag/Verify			
Yates @ 906	846.94	956.00	109.06	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	83.00	C	Perf and squeeze from 956' to 615'. WOC and Tag. (In 33 sxs/Out 50 sxs)
Capitan Reef @ 2427	2352.73	2477.00	124.27	If solid base no			
Shoe Plug	2902.18	3032.00	129.82	Tag/Verify			
Delaware @ 3043	2962.57	3093.00	130.43	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	177.00	C	See COA (In 70 sxs/Out 107 sxs) WOC and Tag.

				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			
<b>Bonesprings @ 4354</b>	4260.46	4404.00	143.54		33.00	C	Perf and attempt squeeze from 4404' to 4260'. WOC and Tag. (In 14 sxs/Out 19 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			
<b>CIBP Plug</b>	6210.00	6245.00	35.00		25.00	C	Set CIBP at 6245'. Leak Test CIBP. Spot 25 sxs on top.
<b>Perforations Plug (If No CIBP)</b>	6290.00	6498.00	208.00	Tag/Verify			
<b>Wolfcamp @ 8772</b>	8634.28	8822.00	187.72	If solid			
<b>Morrow @ 10898</b>	10739.02	10948.00	208.98	If solid			
<b>Shoe Plug</b>	11057.80	11270.00	212.20	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	High	Bottom of Karst/take deepest fresh water/top of salt whichever is greater to surface	
Shoe @	358.00		
Shoe @	2982.00	TOC @	1684.00
Shoe @	11220.00	TOC @	3000?
Perforatons Top @	6340.00	Perforation	6448.00
		CIBP @	6245.00

**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 249152

**COMMENTS**

Operator: COLGATE OPERATING, LLC 300 North Marienfeld Street Midland, TX 79701	OGRID: 371449
	Action Number: 249152
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

**COMMENTS**

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM	8/17/2023

**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 249152

**CONDITIONS**

Operator: COLGATE OPERATING, LLC 300 North Marienfeld Street Midland, TX 79701	OGRID: 371449
	Action Number: 249152
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

**CONDITIONS**

Created By	Condition	Condition Date
gcordero	Spot 25 sacks cement at 5460' - 5360' (Minimum) - T Glorieta	8/17/2023