Sundry Print Repor

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

Well Name: BLUE THUNDER 4 Well Location: T19S / R31E / SEC 4 / FEDERAL COM

SWSW / 32.6844226 / -103.8808604

County or Parish/State: EDDY /

Well Number: 1 Type of Well: CONVENTIONAL GAS

Allottee or Tribe Name:

Lease Number: NMNM105217 Unit or CA Name: BLUE THUNDER 4

FED 1

Unit or CA Number:

NMNM114179

US Well Number: 3001534125 Operator: COG OPERATING LLC

Notice of Intent

Sundry ID: 2806733

Type of Submission: Notice of Intent Type of Action: Plug and Abandonment

Date Sundry Submitted: 08/13/2024 Time Sundry Submitted: 02:44

Date proposed operation will begin: 09/15/2024

Procedure Description: 1. Set 5 1/2 CIBP @ 11,781'. Run CBL from 11,781' to surface. 2. Circ hole w/ 10# ppg brine H20. Pressure test csg to 500 PSI for 30 3. Spot 25 sx class H cmt w/ CACL @ 11,781-11,680'. 4. Spot 25 sx class H cmt w/ CACL @ 10,927-10,727'. (Strawn) 5. Spot 30 sx class H cmt w/ CACL @ 9960-9703'. WOC 4 hrs & tag. (DV Tool) 6. Spot 25 sx class C cmt @ 6590-6390'. (Bone Spring) 7. Spot 50 sx class C cmt w/ CACL @ 3595-3395'. WOC 4 hrs & tag (Yates & 8 5/8" shoe) 8. Perf & Sqz 150 sx class C cmt w/ CACL @ 675' to surface. (Rust & 13 3/8" Shoe) 9. Cut off wellhead, verify cmt at surface, weld on Dry Hole Marker.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Blue_Thunder_4_Federal_1_Proposed_NOI_WBDs_20240813144433.pdf

Page 1 of 2

Received by OCD: 12/17/2024 3:14:36 PM

FEDERAL COM

Well Location: T19S / R31E / SEC 4 / SWSW / 32.6844226 / -103.8808604

County or Parish/State: Page 2 of

NM

Well Number: 1

Type of Well: CONVENTIONAL GAS

WELL

Allottee or Tribe Name:

Lease Number: NMNM105217

Unit or CA Name: BLUE THUNDER 4

FED 1

Unit or CA Number:

NMNM114179

US Well Number: 3001534125

Operator: COG OPERATING LLC

Conditions of Approval

Specialist Review

2806733 BLUE THUNDER 4 FED COM 1 COAs and Procedure 20241122100058.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: RUTH SHOCKENCY Signed on: AUG 13, 2024 02:44 PM

Name: COG OPERATING LLC

Title: Regulatory Analyst

Street Address: 600 W. ILLINOIS AVE.

City: MIDLAND State: TX

Phone: (575) 703-8321

Email address: RUTH.SHOCKENCY@CONOCOPHILLIPS.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: JULIO A SANCHEZ

BLM POC Phone: 5752342240

Disposition: Approved

Signature: Julio Sanchez

BLM POC Title: ENGINEER

BLM POC Email Address: JULIOSANCHEZ@BLM.GOV

Disposition Date: 11/22/2024

Page 2 of 2

Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 202

BURE	EAU OF LAND MANAGEMENT		3. Lease Serial No.			
Do not use this f	OTICES AND REPORTS ON Worm for proposals to drill or to Jse Form 3160-3 (APD) for suc	6. If Indian, Allottee or Tribe Name				
	RIPLICATE - Other instructions on page		7. If Unit of CA/Agreement, N	Name and/or No.		
1. Type of Well Gas W		6 2	8. Well Name and No.			
2. Name of Operator	Cii Cinci		9. API Well No.			
-	at pt	· 1 1		4		
3a. Address	3b. Phone No.	(include area code)	10. Field and Pool or Explora	tory Area		
4. Location of Well (Footage, Sec., T.,R	.,M., or Survey Description)		11. Country or Parish, State			
12. CHE	CK THE APPROPRIATE BOX(ES) TO IN	DICATE NATURE	OF NOTICE, REPORT OR OTI	HER DATA		
TYPE OF SUBMISSION		TYP	E OF ACTION			
Notice of Intent	☐ Acidize ☐ Deep ☐ Alter Casing ☐ Hydr	en raulic Fracturing	Production (Start/Resume) Reclamation	Water Shut-Off Well Integrity		
Subsequent Report		Construction	Recomplete	Other		
Subsequent Report	Change Plans Plug	and Abandon	Temporarily Abandon			
Final Abandonment Notice	Convert to Injection Plug	Back	Water Disposal			
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 FED	ERAL OR STA	ATE OFICE USE			
Approved by		Title		Date		
	ned. Approval of this notice does not warran quitable title to those rights in the subject led duct operations thereon.	t or		2		
Title 18 U.S.C Section 1001 and Title 43	3 U.S.C Section 1212, make it a crime for an	ny person knowingly	y and willfully to make to any de	epartment 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

(Form 3160-5, page 2)

Additional Information

Location of Well

 $0. \, SHL: \, SWSW \, / \, 810 \, FSL \, / \, 660 \, FWL \, / \, TWSP: \, 19S \, / \, RANGE: \, 31E \, / \, SECTION: \, 4 \, / \, LAT: \, 32.6844226 \, / \, LONG: \, -103.8808604 \, (\, TVD: \, 0 \, \, feet \, , \, MD: \, 0 \, \, feet \,)$ $PPP: \, LOT \, M \, / \, 810 \, FSL \, / \, 660 \, FWL \, / \, TWSP: \, 19S \, / \, RANGE: \, 31E \, / \, SECTION: \, 4 \, / \, LAT: \, 0.0 \, / \, LONG: \, 0.0 \, (\, TVD: \, 0 \, \, feet \, , \, MD: \, 0 \, \, feet \,)$ $BHL: \, LOT \, M \, / \, 810 \, FSL \, / \, \, 660 \, FWL \, / \, TWSP: \, 19S \, / \, RANGE: \, 31E \, / \, SECTION: \, 4 \, / \, LAT: \, 0.0 \, / \, LONG: \, 0.0 \, (\, TVD: \, 0 \, \, feet \, , \, MD: \, 0 \, \, feet \,)$

Plug Abandonment NOI Proposed

OPERATOR NAME: COG Operating, LLC

LEASE NO.: NMNM1052173

WELL NAME & NO.: Blue Thunder 4 Federal #1

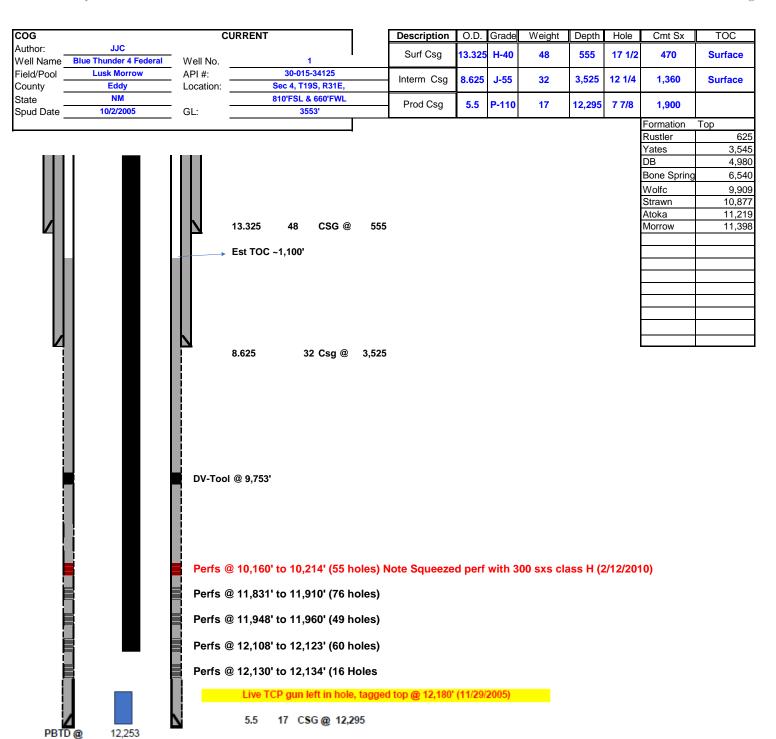
US WELL NUMBER: 30-015-34125

LOCATION: Sec 4 T19S R31E SWSW 810FSL 660FWL

COUNTY: Eddy County, NM

- 1. Set 5 1/2 CIBP @ 11,781'. Run CBL from 11,781' to surface.
- 2. Circ hole w/ 10# ppg brine H20. Pressure test csg to 500 PSI for 30
- 3. Spot 25 sx class H cmt w/ CACL @ 11,781-11,680'.
- 4. Spot 25 sx class H cmt w/ CACL @ 10,927-10,727'. (Strawn)
- 5. Spot 30 sx class H cmt w/ CACL @ 9960-9703'. WOC 4 hrs & tag. (DV Tool)
- 6. Spot 25 sx class C cmt @ 6590-6390'. (Bone Spring)
- 7. Spot 50 sx class C cmt w/ CACL @ 3595-3395'. WOC 4 hrs & tag (Yates
- & 8 5/8" shoe)
- 8. Perf & Sqz 150 sx class C cmt w/ CACL @ 675' to surface. (Rust & 13 3/8" Shoe)
- 9. Cut off wellhead, verify cmt at surface, weld on Dry Hole Marker.

Plug Abandonment NOI Proposed



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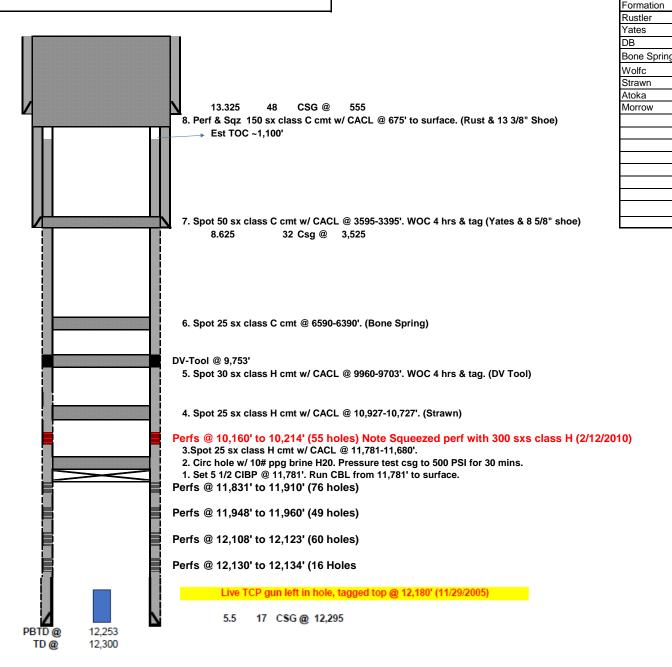
4,980

6,540

9,909 10,877

11,219

COG	OG PROPOSED		[Description	O.D.	Grade	Weight	Depth	Hole	Cmt Sx	TOC	
Author:	JJC				Surf Csq	13.325	H-40	48	555	17 1/2	470	Surface
Well Name	Blue Thunder 4 Federal	Well No.	1		our osg	13.323	11-40	40	333	17 1/2	470	Surface
Field/Pool	Lusk Morrow	API#:	30-015-34125		Interm Csq	8.625	1.55	32	3.525	12 1/4	1.360	Surface
County	Eddy	Location:	Sec 4, T19S, R31E,		intenn Csg	0.025	J-55	32	3,323	12 1/4	1,300	Surface
State	NM		810'FSL & 660'FWL		Prod Csq	E E	P-110	17	12.295	7 7/8	1,900	
Spud Date	10/2/2005	GL:	3553'		Flou Csg	5.5	F-110	17	12,293	1 1/0	1,900	
											C	T



Plug Abandonment NOI Proposed

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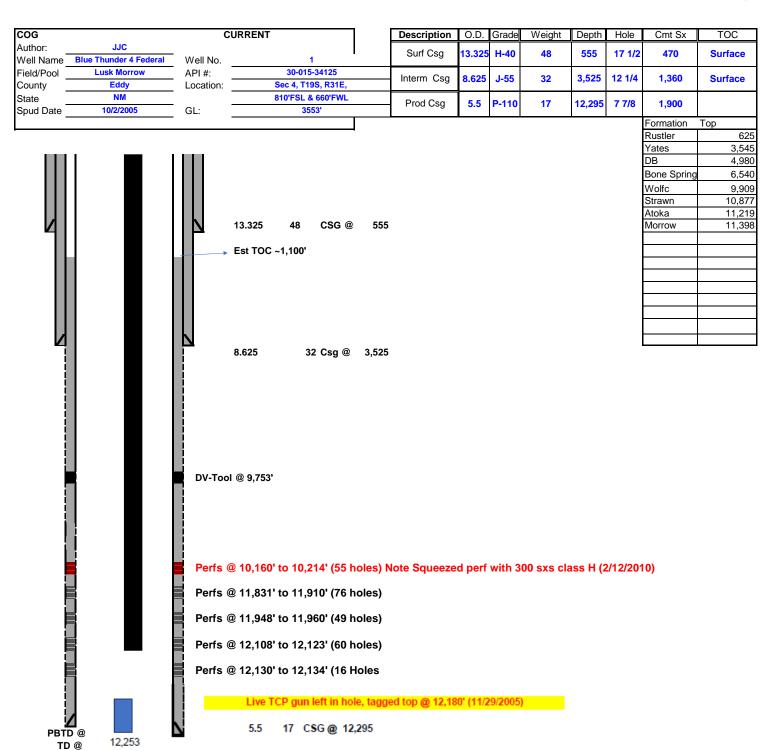
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- 3. Spot 25 sx class H cmt w/ CACL @ 11,781-11,680'.
- 4. Spot class H cmt w/ CACL @ 11,448'-10,718'. (Strawn, Atoka, and Morrow)
- 5. Spot class H cmt w/ CACL @ 9959-9605'. WOC 4 hrs & tag. (DV Tool and Wolfcamp)
- 6. Spot class H cmt @ 8188-8006'. (Spacer Plug)
- 7. Spot 25 sx class C cmt @ 6590-6390'. (Bone Spring)
- 8. Spot class C cmt @ 5030-4880'. (Delaware)
- 9. Spot 50 sx class C cmt w/ CACL @ 3595-3395'. WOC 4 hrs & tag (Yates
- & 8 5/8" shoe)
- 10. Perf & Sqz 150 sx class C cmt w/ CACL @ 675' to surface. (Rust & 13 3/8" Shoe)
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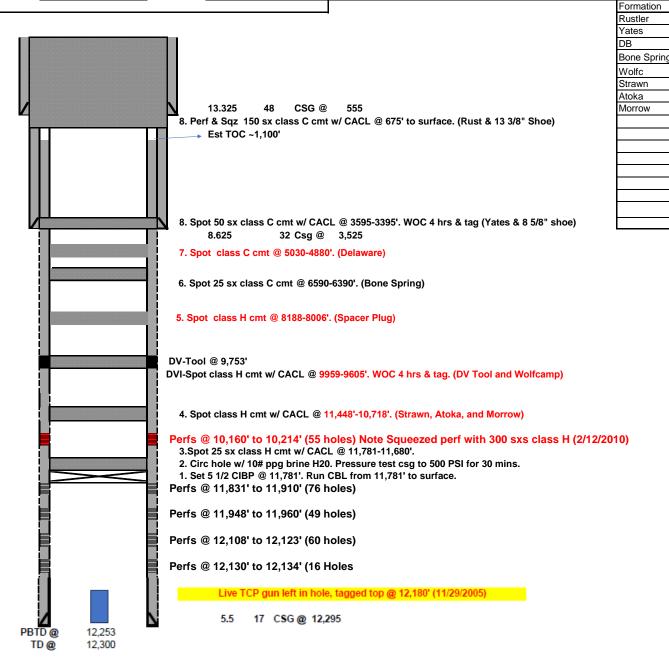
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Sundry ID 2806733

- · · · /		I					
					Cement		
Plug Type	Тор	Bottom	Length	Tag	Class	Notes	
Surface Plug	0.00	675.00	675.00	Verify			
13.375 inch- Shoe Plug	0.00	675.00	675.00	circulated	Class C	Perf and Squeeze	
Top of Salt @ 625	0.00	675.00	675.00	to surface			
8.625 inch- Shoe Plug	3395.00	3595.00	200.00	WOC &	Class C	Balanced Plug	
Yates @ 3545	3395.00	3595.00	200.00	TAG	Class C	balanceu Flug	
				WOC &	Class C	Balanced Plug	
Delaware @ 4980	4880.20	5030.00	149.80	TAG	Class C	Balanceu Flug	
				WOC &	Class C	Balanced Plug	
Bonesprings @ 6540	6390.00	6590.00	200.00	TAG	Class C	balanceu Flug	
				WOC &	Class H	Polonged Dlug	
Spacer Plug @ 8097	8006.00	8188.00	182.00	TAG	Class II	Balanced Plug	
DV tool plug	9605.00	9959.00	354.00	WOC &	Class H	Balanced Plug	
Wolfcamp @ 9909	9605.00	9959.00	354.00	TAG	Class II	Balanceu Flug	
Strawn @ 10877	10718.00	11448.00	730.00	WOC &			
Atoka @ 11219	10718.00	11448.00	730.00	TAG	Class H	Balanced Plug	
Morrow @ 11398	10718.00	11448.00	730.00	IAG			
				WOC &	Close II	500psi leak test	
CIBP Plug	11680.00	11781.00	101.00	TAG	Class H	30mins	

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^3/sx Class H: 1.06 ft^3/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:	<u>Low</u>
13.375 inch- Shoe Plug @	555.00
8.625 inch- Shoe Plug @	3525.00
5.5 inch- Shoe Plug @	12295.00

DV Tool @ 9753.00 CIBP @ 11781.00

BUREAU OF LAND MANAGEMENT Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220 575-234-5972

Permanent Abandonment of Federal Wells Conditions of Approval (LPC Habitat)

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within <u>ninety (90)</u> 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. <u>Notification:</u> 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. <u>Blowout Preventers</u>: 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. <u>Mud Requirement:</u> 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.
- 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 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.

6. Below Ground Level Cap (Lesser Prairie-Chicken Habitat): All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The BLM is to be notified 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 10th 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 ½ 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.

- 7. <u>Subsequent Plugging Reporting:</u> 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. <u>Trash:</u> 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.

- 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 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

COG Operating, LLC BLUE THUNDER 4 FEDERAL #1 810' FSL & 660' FWL, Sec 4, T19S, R31E Eddy County, Texas

OBJECTIVE: Recomplete from Morrow sand to Wolfcamp lime

DIRECTIONS:

From the intersection of Hwy 82 and CR 222 (Shugart Rd) go south 8.2 miles on CR 222. Turn west on lease road for 0.4 miles. Turn south 0.5

miles to location.

WELL DATA:

Reference elevation: 3573' KB (20' AGL)

Correlation Log: EM Hobbs GR-CBL (11/26/05)

Casing:

13 3/8" @ 558'. Cmtd to surface.

8 5/8" 32# J55 @ 3505'. Cmtd to surface.

5 1/2" 17# P110 @ 12,295'. TOC @ 1100' by CBL. DV tool @ 9763'.

TD: 12,300'

PBTD: 12,253' (TCP guns w/ top @ 12,180')

Morrow perforations: 12,108' - 12,134', 11,948' - 11,960' 4 jspf. 48 shots

Bottom Packer (w 2 plugs in profile): 12,025'. Top of second plug – 12,045'

Top Packer: Arrowset 1X w o/o, 2.313" X nipple. Set in 20K1 Nipple @ 11,820'

Tubing: 364 jts 2 7/8" P-110 6.5# tubing.

Tree - 5K Downing 2 9/16" double master valves, wing valve.

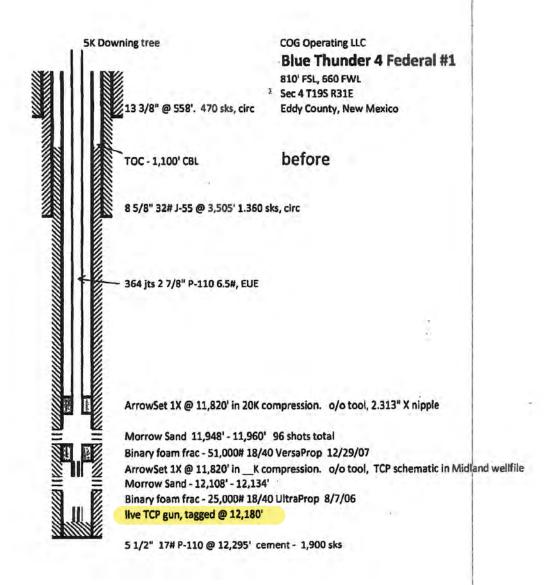
Proposed perforations: 10,160' - 10,214'

PROCEDURE

- MIRU pulling unit. MIRU slick line truck. TIH w/ gauge ring to 2.313" ID X nipple @ 11,820'
- 2. TIH and set plug in X nipple.
- Load tubing w/ 6% KCl containing 1 GPT Claymaster 5C. Test plug to 2000 psi.
- 4. Test annulus to 2000 psi. ND 5K Downing tree. Send to Midland shop for repairs, if necessary.
- 5. NU 5M hydraulic BOP and test annulus to 2000 psi.
- Release on/off tool and spot 100 lbs sand on top of plug.
- POOH. Strap tally out of hole.
- MIRU wireline w/ full lubricator. Pressure test lubricator/BOP/casing/plug to 3,000 psi with fresh water.
- Perforate Wolfcamp lime w/ 1 jspf from 10,160' 10,214' (55 holes) –120° phasing 3 1/8" slick gun 0.42" EHD).
- TIH w/ re-entry guide, 2 7/8" X 5 ½" 10K packer w/ bottom half of on-off tool w/ 2.313" X nipple w/ plug in place. Set packer @ +/- 10,100'.
- 11. TIH w/ top half of on-off tool. Circulate top of plug clean.
- Space out tubing to set packer in 16K compression. Place subs 1 jt below tubinghead.

- Test annulus to 2000 psi. ND BOP and flange up wellhead. MIRU slickline. Equalize and release plug. Flow back or swab in.
- 14. If stimulation is necessary, install isolation tool and acidize w/ 4,000 gals 15% Iron Control acid carrying 75 bio ball sealers. 5 bpm @ 5,000 psi. Attempt ball-out. Flush with treated KCL water
- 15. Flow well back. Take gas sample to Wildcat measurement in Artesia.

Downing	Wellhead testing	432-687-0778	
-			-
	16		
			-



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

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/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 413103

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	413103
	Action Type:
	[C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

	Created By	Condition	Condition Date
ſ	kfortner	Federal well follow BLM guidelines and changes to proposed procedure	12/17/2024