

Well Name: LIGHTNING 24 FEDERAL COM	Well Location: T25S / R26E / SEC 24 / NWSE / 32.1135837 / -104.2440878	County or Parish/State: EDDY / NM
Well Number: 2	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM96835	Unit or CA Name: 1 LIGHTNING 24 FED COM	Unit or CA Number: NMNM112747
US Well Number: 3001533578	Operator: COG OPERATING LLC	

Subsequent Report

Sundry ID: 2873506

Type of Submission: Subsequent Report

Date Sundry Submitted: 09/15/2025

Date Operation Actually Began: 04/04/2025

Type of Action: Plug and Abandonment

Time Sundry Submitted: 11:27

Actual Procedure: See attached

SR Attachments

Actual Procedure

Lightning_24_Fed_Com_2_Plugging_Record_20250915112706.pdf

Well Name: LIGHTNING 24 FEDERAL COM	Well Location: T25S / R26E / SEC 24 / NWSE / 32.1135837 / -104.2440878	County or Parish/State: EDDY / NM
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US Well Number: 3001533578	Operator: COG 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: KAYLA ESTRADA

Signed on: SEP 15, 2025 11:27 AM

Name: COG OPERATING LLC

Title: Regulatory Coordinator

Street Address: 600 W ILLINOISE AVE

City: MIDLAND**State:** TX

Phone: (432) 688-6837

Email address: KAYLA.L.ESTRADA@CONOCOPHILLIPS.COM

Field

Representative Name:

Street Address:

City:**State:****Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: JAMES A AMOS

BLM POC Title: Acting Assistant Field Manager

BLM POC Phone: 5752345927

BLM POC Email Address: JAMOS@BLM.GOV

Disposition: Accepted

Disposition Date: 09/24/2025

Signature: James A Amos

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

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.

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

3a. Address 3b. Phone No. (include area code)

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)

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

8. Well Name and No.

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 recompleate 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 perfonned 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 detennined 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.

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: NWSE / 1980 FSL / 1980 FEL / TWSP: 25S / RANGE: 26E / SECTION: 24 / LAT: 32.1135837 / LONG: -104.2440878 (TVD: 0 feet, MD: 0 feet)

BHL: NWSE / 1980 FSL / 1980 FEL / TWSP: 25S / SECTION: / LAT: 0.0 / LONG: 0.0 (TVD: 0 feet, MD: 0 feet)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018**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.

NMNM96835

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well☐ Gas Well☐ Other

2. Name of Operator

COG Operating, LLC

3a. Address

**600 W Illinois
Midland TX 79701**

3b. Phone No. (include area code)

(432) 683-7443

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

8. Well Name and No.

Lightning 24 Fed #2

9. API Well No.

30-015-33578

10. Field and Pool or Exploratory Area

PURPLE SAGE WOLFCAMP GAS [98220]

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 24, T25S, R26E NWSE 1980 FSL & 1980FEL

11. Country or Parish, State

Eddy County, NM**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"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input checked="" type="checkbox"/> Subsequent Report	<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"/> Final Abandonment Notice	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

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JMR Services, LLC plugged this well from 04/04/2015-8/28/25
Please see attached for the P&A Subsequent Report.

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

Kayla EstradaTitle **Regulatory Coordinator**

Signature

*Kayla Estrada*Date **9/15/2025****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)

**P&A Subsequent Report
ConocoPhillips/COG Operating
Lightning 24 Federal Com #2
30-015-33578**

04/04/25 Moved plugging equipment to location.

04/07/25 Rigged up. ND wellhead, NU BOP. Tagged existing CIBP @ 9,770'.

04/08/25 Checked pressures, 1200 psi at surface. Circulated holes w/ 134 bbls MLF. Spotted 25 sxs class H cmt @ 9,770-9,417'. Spotted 30 sxs class H cmt @ 8,685-8,262'. WOC.

04/09/25 Checked pressures, 600 psi on surface. Perf'd @ 6,222'. Sqz'd 47 sxs class C cmt @ 6,222-5,900'. WOC.

04/10/25 Checked pressures, 0 psi. Tagged TOC @ 5,800'. Perf'd @ 3,500'. Sqz'd 27 sxs class C cmt @ 3,500-3,400'. WOC. Perf'd @ 2,033'. Sqz'd 93 sxs class C cmt @ 2,033-1,640'. WOC.

04/11/25 Checked pressures, 400 psi on surface. Tagged TOC @ 1,585'. Perf'd @ 1,250'. Sqz'd 27 sxs class C cmt @ 1,250-1,150'. WOC & tagged @ 1,110'. Perf'd @ 530'. ND BOP, NU wellhead. Sqz'd 153 sxs class C cmt @ 530' & circulated to surface. RDMO.

07/3/25-07/10/25 Drill out cement to 600'. Run CBL.

07/11/25 MIRU. Established an injection rate of 2 bpm @ 800 psi. Sqz'd 500 sxs class C cmt @ 500-278'.

07/13/25 Milled down to 500'. Perf'd @ 490'. Established an injection rate of 2 bpm @ 1600 psi & put 500 psi on backside. Sqz'd 500 sxs class C cmt @ 490-278'. RDMO.

07/14/25 Tagged TOC @ 435'.

08/09/25 MIRU.

08/11/25 Tagged TOC @ 434'. Drilled out to 500'. Perf'd @ 480'. Sqz'd 400 sxs of class C cement and displaced to 400'.

08/12/25 Tagged TOC @ 405'. Perf'd @ 400'. Unable to establish injection rate. Spot 20 sxs of class C cement from 405' to 100'.

08/14/25 Passed bubble test on intermediate and surface. Spot 17 sxs class C cement. From 210' to surface.

08/28/25 Cutoff completed.

Prospect:	Sage Draw
Location:	
Footage:	1,980' FSL & 1980' FEL
Section:	24
Block:	
T&R:	T25S R26E
Survey:	NMPM
County:	Eddy
Lat:	32° 6' 48.816" N
Long:	104° 14' 38.94" W
Elevations:	
GL:	3,231
KB:	3,257
KB Calc:	26
ck w/log?	

Date: History:

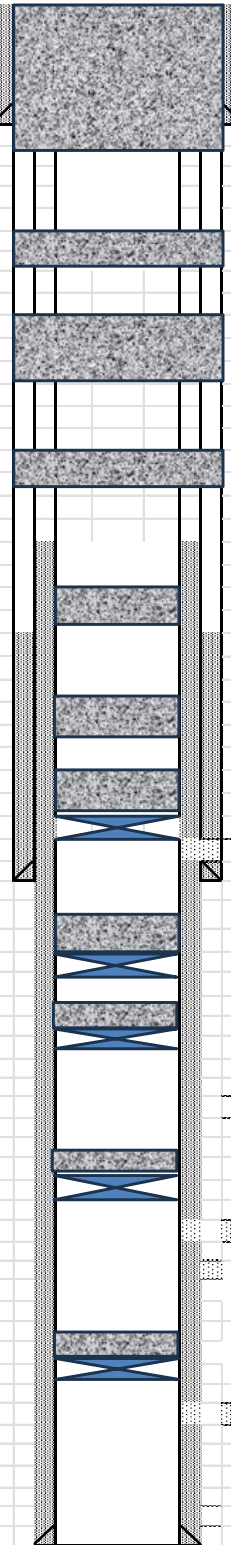
Lightning 24 Fed 2

Plugged P&A
Wellbore Diagram

Field: S. Corbin Morrow
API: 30-015-33578
Spud Date: 2/27/2005

Interval	Top
Tsalt	1,200
Bsalt	1,690
Del	1,983
Bn Sprg	6,172
Wlfcmp	8,610
Strawn	10,592
Atoka	10,748
Morrow	11,342

Hole Size:	12 1/4	inches
Surface:	9 5/8	OD J55
Set @	470	ft 36#
Cement Lead:	260	sx Grade C
	14.80	ppg 1.32 cf/sk
Cement Tail:		
TOC:	Surface	Circulated



Plug #7: Perf'd @ 530'. Sqz'd 153 sxs class C cmt @ 530' & circulated to surface.

Plug #6: Perf'd @ 1,250'. Sqz'd 27 sxs class C cmt @ 1,250-1,150'. WOC & tagged @ 1,110'.

Plug #5: Perf'd @ 2,033'. Sqz'd 93 sxs class C cmt @ 2,033-1,640'. WOC & tagged @ 1,585

Plug #4: Perf'd @ 3,500'. Sqz'd 27 sxs class C cmt @ 3,500-3,400'.

TOC @ 5500

Plug #3: Perf'd @ 6,222'. Sqz'd 47 sxs class C cmt @ 6,222-5,900'. WOC & tagged @ 5,800

TOC @ 6580

Plug #2: Spotted 30 sxs class H cmt @ 8,685-8,262'.

Plug #1: Tagged existing CIBP @ 9,770'. Spotted 25 sxs class H cmt @ 9,770-9,417'.

Wlfcmp Perfs 9,830 - 9,935

CIBP set in 4.5" csg @ 10,080'.
35' of cmt on top.

CIBP set in 4.5" csg @ 10,641'.
35' of cmt on top.

Strawn Perfs 10,684 - 10,718

CIBP set in 4.5" csg @ 11,404'.
35' of cmt on top.

Morrow Perfs 11,483 - 11,720

CIBP set in 4.5" csg @ 11,840'.
24' of cmt on top.

MORROW PERFS 11,873 - 11,934

Hole Size:	6 1/8	inches
Prod. Csg:	4 1/2	OD P110
Set @:	12,060	ft 11.6
Cmt. Lead:	200	sx Grade H
Lead info:	14.80	ppg cf/sk

PBTD 12,000
TD 12,060

TOC 5,500 ft By CBL dated 4/30/2012

Updated: By:



















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 509230

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 509230
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	9/26/2025