Received by WCDS/21/2025 2:57:58 PM U.S. Department of the Interior BUREAU OF LAND MANAGEMENT		Sundry Print Report 01/21/2025
Well Name: LIGHTNING 24 FEDERAL	Well Location: T25S / R26E / SEC 24 / NWSE / 32.1135837 / -104.2440878	County or Parish/State: EDDY / NM
Well Number: 2	<b>Type of Well:</b> CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM96835	Unit or CA Name: 1 LIGHTNING 24 FED COM	Unit or CA Number: NMNM112747
<b>US Well Number:</b> 3001533578	Operator: COG OPERATING LLC	

### **Notice of Intent**

Sundry ID: 2820991

Type of Submission: Notice of Intent

Date Sundry Submitted: 11/06/2024

Date proposed operation will begin: 12/30/2024

Type of Action: Plug and Abandonment Time Sundry Submitted: 07:15

Procedure Description: 1. Notify BLM 24 hrs in advance. 2. MIRU P&A rig and equipment. 3. Check and record tubing, casing and bradenhead pressures. 4. Remove existing piping from casing valve, RU blow lines from casing valves and blow down casing pressure. Kill well as necessary. Ensure that well is dead or on a vacuum. 5. ND WH, NU BOP, function test BOP. 6. PU on tubing and attempt to release packer. 7. Trip out of hole and LD tubing with packer. NOTE: If unable to release tubing/packer then discuss with Regulatory for procedure change. 8. RIH & tag the existing 4 1/2" CIBP @ 10,080' w/ 35' cmt cap. POH. 9. RIH & set 4 1/2" CIBP @ 9770'. 10. MIRU logging truck. Run CBL log from 9770' to surface. Hold 600 psi on casing if possible. NOTE: Results of CBL may change the following plugs. Electronic copy of CBL to be sent to BLM. 11. RIH with tubing workstring. Drop ball valve down tubing and pressure test to 1000#. Pressure test casing to 500#. If casing does not test, then discuss with Regulatory for procedure change. 12. Plug #1: CIBP and Wolfcamp perforation: With CIBP @ 9770' mix and pump 25 sxs Class H cement from 9770' to 9442'. 13. Plug #2: Wolfcamp formation: Mix and pump 25 sxs Class H cement from 8650' to 8322'. 14. Plug #3: Bone Spring formation: Mix and pump 25 sxs Class C cement from 6222' to 5900'. 15. MIRU wireline unit. Perforate squeeze holes at 3500'. Establish injection rate. 16. Plug 4: Spacer plug: Mix and pump 27 sx class C cmt (16 sx outside, 11 sx inside) from 3500-3400'. 17. MIRU wireline unit. Perforate squeeze holes at 2033'. Establish injection rate. 18. Plug #5: Delaware & B/Salt formations: Mix and pump 93 sx class C cmt w/ 2% CACL (63 sx outside, 30 sx inside) from 2033' to 1640'. WOC & tag at 1640'. If tag is 1640' or above, continue to next step. If tag is below 1640', contact BLM for procedure change. 19. MIRU wireline unit. Perforate squeeze holes at 1250'. Establish injection rate. 20. Plug 6: T/Salt formation: Mix and pump 27 sx class C cmt w/ 2% CACL (16 sx outside, 11 sx inside) from 1250-1150'. WOC & tag at 1150'. If tag is 1150' or above, continue to next step. If tag is below 1150', contact BLM for procedure change. 21. MIRU wireline unit. Perforate squeeze holes at 530'. Establish injection rate. 22. Plug #7: Surface casing Shoe: Squeeze 132 sx Class C cement (93 sx outside, 39 sx inside) from 530' to surface and circulate good cement out casing and annulus. 23. RD cementing equipment. Cut off wellhead, fill any exposed annulus with cement, as necessary. Install DHM. 24. Record GPS coordinates for P&A marker and the Final P&A Report. Photograph the P&A marker and attach to the report. 25. RD and MO all rig and cement equipment. Assure that location is free of trash before moving off. 26. Send the Subsequent Report of Abandonment, Form 3160-5 to BLM within 30 days of completion

I	COM	Well Location: T25S / R26E / SEC 24 / NWSE / 32.1135837 / -104.2440878	County or Parish/State: EDD 7 of 19
	Well Number: 2	<b>Type of Well:</b> CONVENTIONAL GAS WELL	Allottee or Tribe Name:
	Lease Number: NMNM96835	<b>Unit or CA Name:</b> 1 LIGHTNING 24 FED COM	Unit or CA Number: NMNM112747
	US Well Number: 3001533578	Operator: COG OPERATING LLC	

### **Surface Disturbance**

Is any additional surface disturbance proposed?: No

### **NOI Attachments**

### **Procedure Description**

Lightning\_24\_Fed\_Com\_2\_Proposed\_NOI\_20241106071441.pdf

# Conditions of Approval

#### **Specialist Review**

Lightning\_24\_Federal\_Com\_2\_\_2820991\_\_Procedure\_and\_COA\_20250116190133.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: NOV 06, 2024 07:15 AM

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

State:

### Field

**Representative Name:** 

Street Address:

City:

Phone:

Email address:

Zip:

Received by OCD: 1/21/2025 2:57:58 PM Well Name: LIGHTNING 24 FEDERAL COM	Well Location: T25S / R26E / SEC 24 / NWSE / 32.1135837 / -104.2440878	County or Parish/State: EDBY ? of It
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<b>US Well Number:</b> 3001533578	Operator: COG OPERATING LLC	

# **BLM Point of Contact**

BLM POC Name: KEITH P IMMATTY BLM POC Phone: 5759884722 Disposition: Approved Signature: Keith Immatty BLM POC Title: ENGINEER BLM POC Email Address: KIMMATTY@BLM.GOV

Disposition Date: 01/16/2025

### Received by OCD: 1/21/2025 2:57:58 PM

<i>cccirca by 0</i> <b>c</b> <i>b</i> . 1/21/2				1 uge + 0j
Form 3160-5 (June 2019)	UNITED STATES DEPARTMENT OF THE INTE BUREAU OF LAND MANAGE	-	ON	RM APPROVED 1B No. 1004-0137 es: October 31, 2021
Do not use	DRY NOTICES AND REPORT this form for proposals to d well. Use Form 3160-3 (APD)	rill or to re-enter an	6. If Indian, Allottee or Tribe Na	ime
	MIT IN TRIPLICATE - Other instruction	ns on page 2	7. If Unit of CA/Agreement, Na	me and/or No.
1. Type of Well	Gas Well Other		8. Well Name and No.	
2. Name of Operator			9. API Well No.	
3a. Address	3b. I	Phone No. (include area code)	10. Field and Pool or Explorator	ry Area
4. Location of Well (Footage,	Sec., T.,R.,M., or Survey Description)		11. Country or Parish, State	
	12. CHECK THE APPROPRIATE BOX(E	ES) TO INDICATE NATURE (	DF NOTICE, REPORT OR OTHE	ER DATA
TYPE OF SUBMISSIC	N	TYPE	E OF ACTION	
Notice of Intent	Acidize Alter Casing	Deepen [ Hydraulic Fracturing ]	Production (Start/Resume) Reclamation	Water Shut-Off Well Integrity
Subsequent Report	Casing Repair Change Plans	New Construction     Image: Construction       Plug and Abandon     Image: Construction	Recomplete Temporarily Abandon	Other
Final Abandonment No	ice Convert to Injection	Plug Back	Water Disposal	
the proposal is to deepen of the Bond under which the completion of the involved	pleted Operation: Clearly state all pertiner irectionally or recomplete horizontally, giv work will be perfonned or provide the Bon operations. If the operation results in a m ment Notices must be filed only after all re 1.)	ve subsurface locations and me nd No. on file with BLM/BIA. I ultiple completion or recomple	asured and true vertical depths of Required subsequent reports must tion in a new interval, a Form 316	all pertinent markers and zones. Attach be filed within 30 days following 50-4 must be filed once testing has been

14. I hereby certify that the foregoing is true and correct. Name ( <i>Printed/Typed</i> )			
	Title		
Signature	Date		
THE SPACE FOR FEDE	ERAL OR STATE C	OFICE USE	
Approved by			
	Title	Date	
Conditions of approval, if any, are attached. Approval of this notice does not warrant certify that the applicant holds legal or equitable title to those rights in the subject lead which would entitle the applicant to conduct operations thereon.			
Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any any false, fictitious or fraudulent statements or representations as to any matter within		willfully to make to any department or agency of the United	States

### (Instructions on page 2)

### Released to Imaging: 1/30/2025 1:53:16 PM

#### **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**

#### **Additional Remarks**

11. RIH with tubing workstring. Drop ball valve down tubing and pressure test to 1000#. Pressure test casing to 500#. If casing does not test, then discuss with Regulatory for procedure change.

12. Plug #1: CIBP and Wolfcamp perforation: With CIBP @ 9770 mix and pump 25 sxs Class H cement from 9770 to 9442.

13. Plug #2: Wolfcamp formation: Mix and pump 25 sxs Class H cement from 8650 to 8322.

14. Plug #3: Bone Spring formation: Mix and pump 25 sxs Class C cement from 6222 to 5900.

15. MIRU wireline unit. Perforate squeeze holes at 3500. Establish injection rate.

16. Plug 4: Spacer plug: Mix and pump 27 sx class C cmt (16 sx outside, 11 sx inside) from 3500-3400.

17. MIRU wireline unit. Perforate squeeze holes at 2033. Establish injection rate.

18. Plug #5: Delaware & B/Salt formations: Mix and pump 93 sx class C cmt w/ 2% CACL (63 sx outside, 30 sx inside) from 2033 to 1640.

WOC & tag at 1640. If tag is 1640 or above, continue to next step. If tag is below 1640, contact BLM for procedure change.

19. MIRU wireline unit. Perforate squeeze holes at 1250. Establish injection rate.

20. Plug 6: T/Salt formation: Mix and pump 27 sx class C cmt w/ 2% CACL (16 sx outside, 11 sx inside) from 1250-1150. WOC & tag at 1150. If

tag is 1150 or above, continue to next step. If tag is below 1150, contact BLM for procedure change.

21. MIRU wireline unit. Perforate squeeze holes at 530. Establish injection rate.

22. Plug #7: Surface casing Shoe: Squeeze 132 sx Class C cement (93 sx outside, 39 sx inside) from 530 to surface and circulate good cement out casing and annulus.

23. RD cementing equipment. Cut off wellhead, fill any exposed annulus with cement, as necessary. Install DHM.

24. Record GPS coordinates for P&A marker and the Final P&A Report. Photograph the P&A marker and attach to the report.

25. RD and MO all rig and cement equipment. Assure that location is free of trash before moving off.

26. Send the Subsequent Report of Abandonment, Form 3160-5 to BLM within 30 days of completion

#### **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)

<b>Received by OCD: 1/2</b> Form 3160-5 (June 2015)	DEPA	:58 PM UNITED STATE RTMENT OF THE I U OF LAND MANA	INTERIOR		OME Expires 5. Lease Serial No.	M APPROVED 3 No. 1004-0137 5: January 31, 2018	Page 7 of 19
Do not u	ise this for		ORTS ON WELLS to drill or to re-enter an PD) for such proposals		NMNM96835 6. If Indian, Allottee or Tr	ibe Name	
S	UBMIT IN TRI	PLICATE - Other instru	ictions on page 2		7. If Unit of CA/Agreeme	ent, Name and/or No.	
1. Type of Well Vil Well	Gas Well				8. Well Name and No. Lightning 24 Fed #2		
2. Name of Operator COG	Operating, LL	.C			9. API Well No. 30-015-33578		
3a. Address 600 W Illinoi Midland TX	s 79701		3b. Phone No. <i>(include area cod</i> (432) 683-7443	e)	10. Field and Pool or Exp PURPLE SAGE WOLFC		
4. Location of Well <i>(Foota</i> Sec 24, T25S, R26E NWS		f., or Survey Description) FSL & 1980FEL			11. Country or Parish, Sta Eddy County, NM	te	
	12. CHECK	THE APPROPRIATE BO	OX(ES) TO INDICATE NATUR	E OF NOT	ICE, REPORT OR OTHER	DATA	
TYPE OF SUBMIS	SION		ТҮ	TPE OF AC	CTION		
✓ Notice of Intent		Acidize	Deepen Hydraulic Fracturing		duction (Start/Resume) lamation	Water Shut-Off Well Integrity	
Subsequent Report		Casing Repair Change Plans	New Construction <ul> <li>Plug and Abandon</li> </ul>		omplete	Other	
Final Abandonment	Notice	Convert to Injection	Plug Back	Wat	ter Disposal		
the proposal is to deep the Bond under which completion of the invo	en directionally the work will be lved operations. donment Notice	or recomplete horizontally perfonned or provide the If the operation results in	rtinent details, including estimate y, give subsurface locations and r Bond No. on file with BLM/BL a multiple completion or recomp all requirements, including reclar	neasured an A. Required detion in a	nd true vertical depths of all d subsequent reports must b new interval, a Form 3160-	l pertinent markers and e filed within 30 days 4 must be filed once te	l zones. Attach following esting has been

Please see attached for the proposed P&A NOI.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)		
T	itle	
Signature D	ate	
THE SPACE FOR FEDER	RAL OR STATE OFICE 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.		
Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any p any false, fictitious or fraudulent statements or representations as to any matter within it		department or agency of the United States

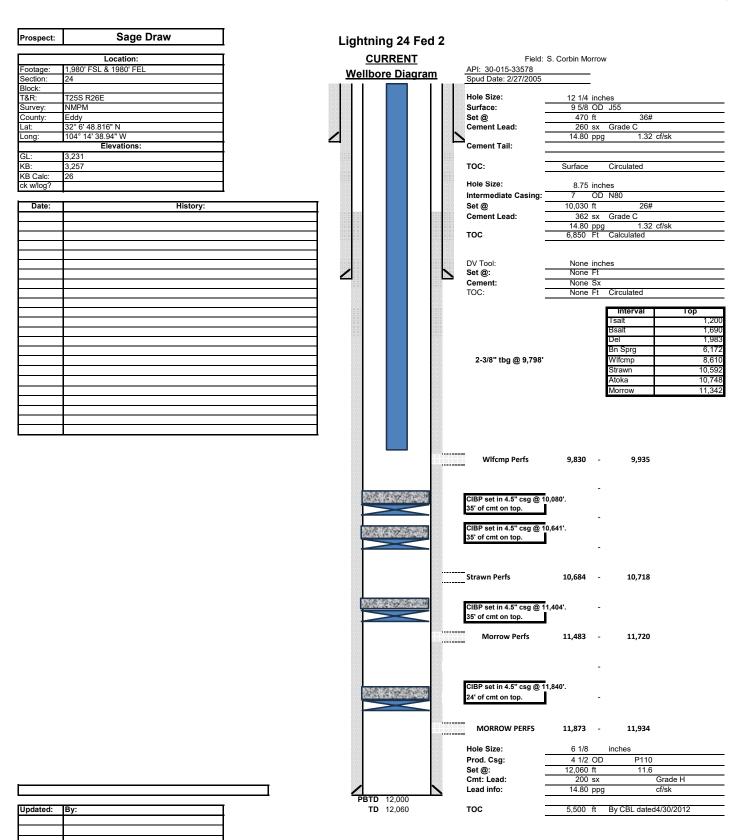
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(Instructions on page 2)

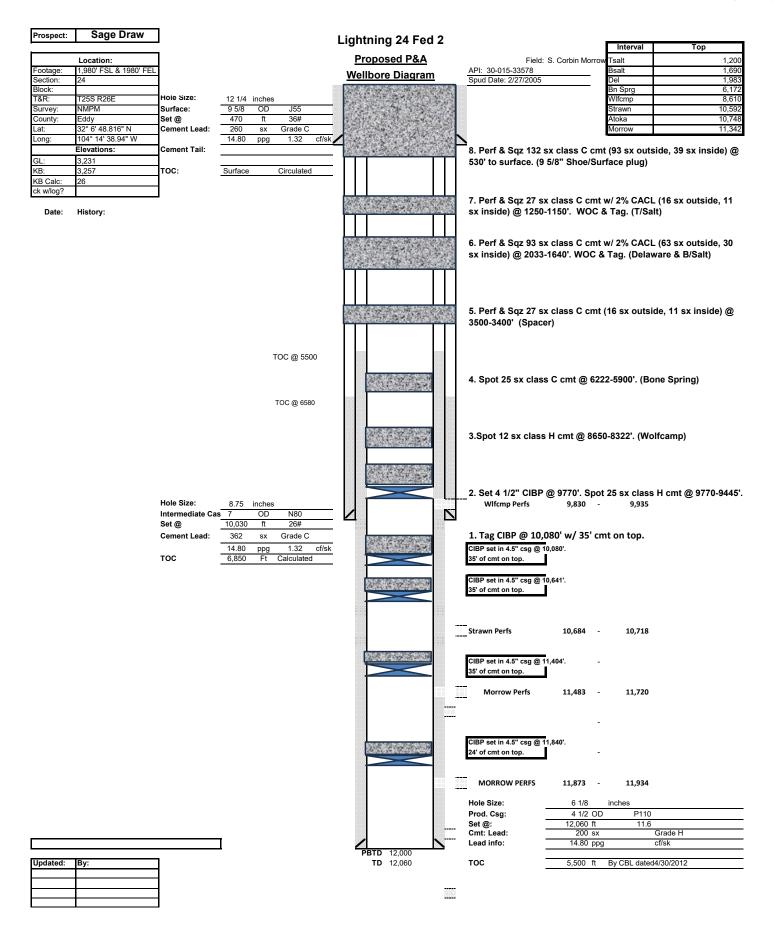
# Proposed P&A NOI ConocoPhillips/COG Operating 30-015-33578

- 1. Notify BLM 24 hrs in advance.
- 2. MIRU P&A rig and equipment.
- 3. Check and record tubing, casing and bradenhead pressures.
- 4. Remove existing piping from casing valve, RU blow lines from casing valves and blow down casing pressure. Kill well as necessary. Ensure that well is dead or on a vacuum.
- 5. ND WH, NU BOP, function test BOP.
- 6. PU on tubing and attempt to release packer.
- 7. Trip out of hole and LD tubing with packer. NOTE: If unable to release tubing/packer then discuss with Regulatory for procedure change.
- 8. RIH & tag the existing 4 1/2" CIBP @ 10,080' w/ 35' cmt cap. POH.
- 9. RIH & set 4 1/2" CIBP @ 9770'.
- 10. MIRU logging truck. Run CBL log from 9770' to surface. Hold 600 psi on casing if possible. NOTE: Results of CBL may change the following plugs. Electronic copy of CBL to be sent to BLM.
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- 16. Plug 4: Spacer plug: Mix and pump 27 sx class C cmt (16 sx outside, 11 sx inside) from 3500-3400'.
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- 18. Plug #5: Delaware & B/Salt formations: Mix and pump 93 sx class C cmt w/ 2% CACL (63 sx outside, 30 sx inside) from 2033' to 1640'. WOC & tag at 1640'. If tag is 1640' or above, continue to next step. If tag is below 1640', contact BLM for procedure change.
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https://jmservices.sharepoint.com/JMR Services Share/JMR Services/Customers/Abby/Well Files to Build/COP Lightning 24 Fed #2/COP Lightning 24 Fed Com #2 WBDS Page 1 of 2 Printed 10/24/2024 @ 10:46 AM



https://jmrservices.sharepoint.com/JMR Services Share/JMR Services/Customers/Abby/Well Files to Build/COP Lightning 24 Fed #2/COP Lightning 24 Fed Com #2 WBDS Page 2 of 2 Proposed WBD Printed 10/24/2024 @ 10:46 AM

	2:57:58 PM UNITED STAT EPARTMENT OF THE REAU OF LAND MAN.	INTERIOR		OM Expire 5. Lease Serial No.	RM APPROVED B No. 1004-0137 s: January 31, 2018	Page 11 of 19
Do not use this		ORTS ON WELLS to drill or to re-enter an .PD) for such proposals		NMNM96835 6. If Indian, Allottee or T	ribe Name	
SUBMIT II	TRIPLICATE - Other instr	uctions on page 2		7. If Unit of CA/Agreem	ent, Name and/or No.	
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4. Location of Well (Footage, Sec., 7 Sec 24, T25S, R26E NWSE	,R.,M., or Survey Description) 1980 FSL & 1980FEL			11. Country or Parish, Sta Eddy County, NM	ate	
12. CH	ECK THE APPROPRIATE B	OX(ES) TO INDICATE NATURE	E OF NOT	ICE, REPORT OR OTHER	R DATA	
TYPE OF SUBMISSION		TY	PE OF AC	TION		
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Final Abandonment Notice	Convert to Injection	Plug Back	Wat	er Disposal		
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Please see attached for the proposed P&A NOI.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)		
	Fitle	
Signature	Date	
THE SPACE FOR FEDE	RAL OR STATE OFI	CEUSE
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Conditions of approval, if any, are attached. Approval of this notice does not warrant of 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.		·
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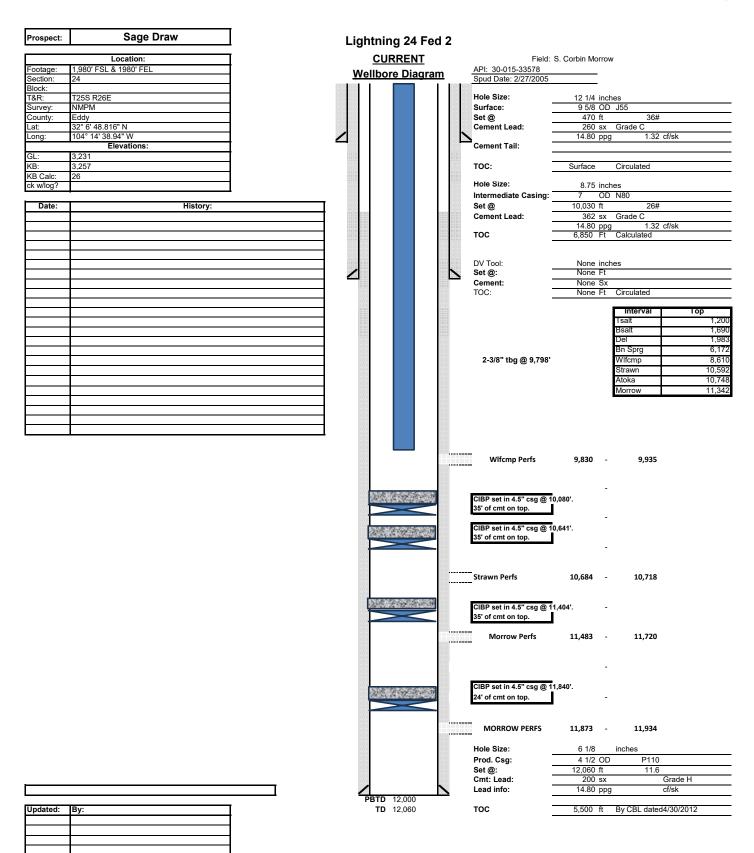
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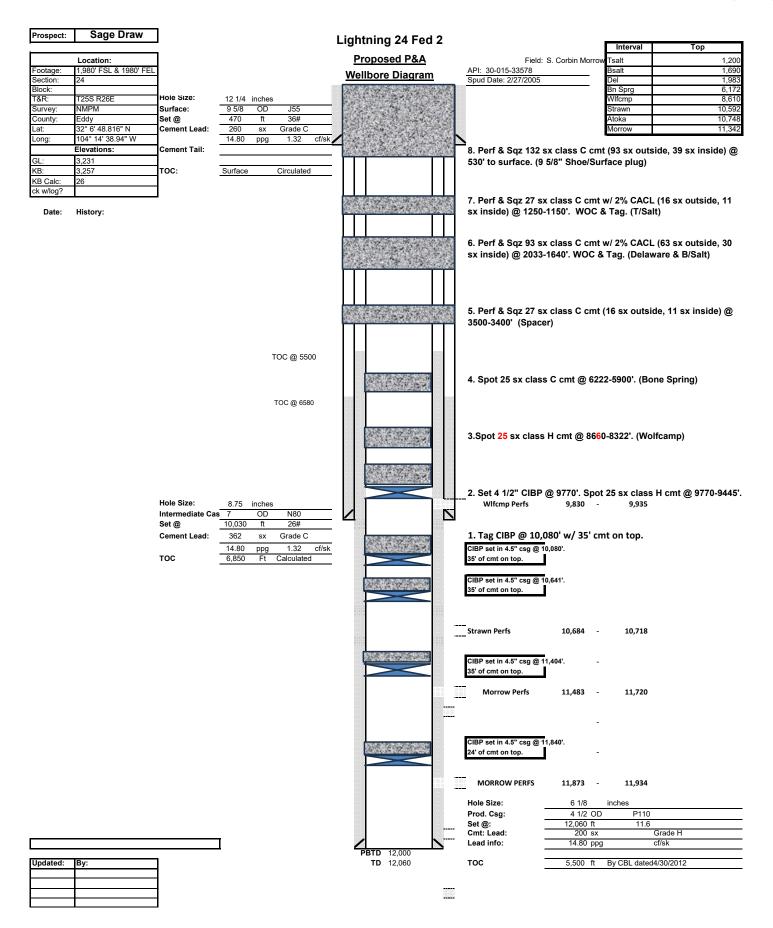
(Instructions on page 2)

# Proposed P&A NOI ConocoPhillips/COG Operating 30-015-33578

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- 20. Plug 6: T/Salt formation: Mix and pump 27 sx class C cmt w/ 2% CACL (16 sx outside, 11 sx inside) from 1250-1150'. WOC & tag at 1150'. If tag is 1150' or above, continue to next step. If tag is below 1150', contact BLM for procedure change.
- 21. MIRU wireline unit. Perforate squeeze holes at 530'. Establish injection rate.
- 22. Plug #7: Surface casing Shoe: Squeeze 132 sx Class C cement (93 sx outside, 39 sx inside) from 530' to surface and circulate good cement out casing and annulus.
- 23. RD cementing equipment. Cut off wellhead, fill any exposed annulus with cement, as necessary. Install DHM.
- 24. Record GPS coordinates for P&A marker and the Final P&A Report. Photograph the P&A marker and attach to the report.
- 25. RD and MO all rig and cement equipment. Assure that location is free of trash before moving off.
- 26. Send the Subsequent Report of Abandonment, Form 3160-5 to BLM within 30 days of completion.

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https://jmrservices.sharepoint.com/JMR Services Share/JMR Services/Customers/Abby/Well Files to Build/COP Lightning 24 Fed #2/COP Lightning 24 Fed Com #2 WBDS Page 2 of 2 Proposed WBD Printed 10/24/2024 @ 10:46 AM

### 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 <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 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. <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. <u>Cement Requirement</u>: 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. <u>Dry Hole Marker</u>: 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 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. <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. <u>Show date well was plugged.</u>

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.



# **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.
- 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) *Released to Tmaging: 1/30/2025 1:53:16 PM*  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

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	423108
	Action Type:
	[C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	A Cement Bond Log (CBL) is required to be submitted to electronic permitting.	1/30/2025
gcordero	Submit Cement Bond Logs (CBL) prior to submittal of C-103P.	1/30/2025

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