

Well Name: MIDNIGHT HOUR 11 FED COM	Well Location: T26S / R30E / SEC 11 / SENE /	County or Parish/State: /
Well Number: 768H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM93207	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001549718	Well Status: Drilling Well	Operator: EOG RESOURCES INCORPORATED

Accepted for record –NMOCD gc12/6/2023

Notice of Intent

Sundry ID: 2761499

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 11/14/2023	Time Sundry Submitted: 11:30
Date proposed operation will begin: 11/25/2023	

Procedure Description: THIS WELLBORE WAS LOST, EOG PROPOSES TO PLUG THIS WELL USING THE ATTACHED PROCEDURE.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- MIDNIGHT_HOUR_11_FED_COM_768H_CURRENT_WELLBORE_20231114112953.pdf
- MIDNIGHT_HOUR_768H_PROPOSED_P_A_WELLWORK_20231114111034.pdf
- Midnight_Hour_11_Fed_Com__768H_PROPOSED_WELLBORE__20231114111000.pdf

Received by OCD: 11/29/2023 10:34:27 AM

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Well Name: MIDNIGHT HOUR 11 FED COM	Well Location: T26S / R30E / SEC 11 / SENE /	County or Parish/State: /
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Conditions of Approval

Specialist Review

Midnight_Hour_11_Fed_Com_768H_Sundry_ID_2761499_P_A_20231129102255.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: KAY MADDOX	Signed on: NOV 14, 2023 11:30 AM
Name: EOG RESOURCES INCORPORATED	
Title: Regulatory Specialist	
Street Address: 5509 CHAMPIONS DR.	
City: MIDLAND	State: TX
Phone: (432) 638-8475	
Email address: KAY_MADDOX@EOGRESOURCES.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: LONG VO	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5759885402	BLM POC Email Address: LVO@BLM.GOV
Disposition: Approved	Disposition Date: 11/29/2023
Signature: Long Vo	

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

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"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input 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 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		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

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: SENE / 2507 FNL / 630 FEL / TWSP: 26S / RANGE: 30E / SECTION: 11 / LAT: 32.057728 / LONG: -103.845344 (TVD: 0 feet, MD: 0 feet)

PPP: NESE / 2330 FSL / 334 FEL / TWSP: 26S / RANGE: 30E / SECTION: 11 / LAT: 32.056388 / LONG: -103.844384 (TVD: 11342 feet, MD: 11619 feet)

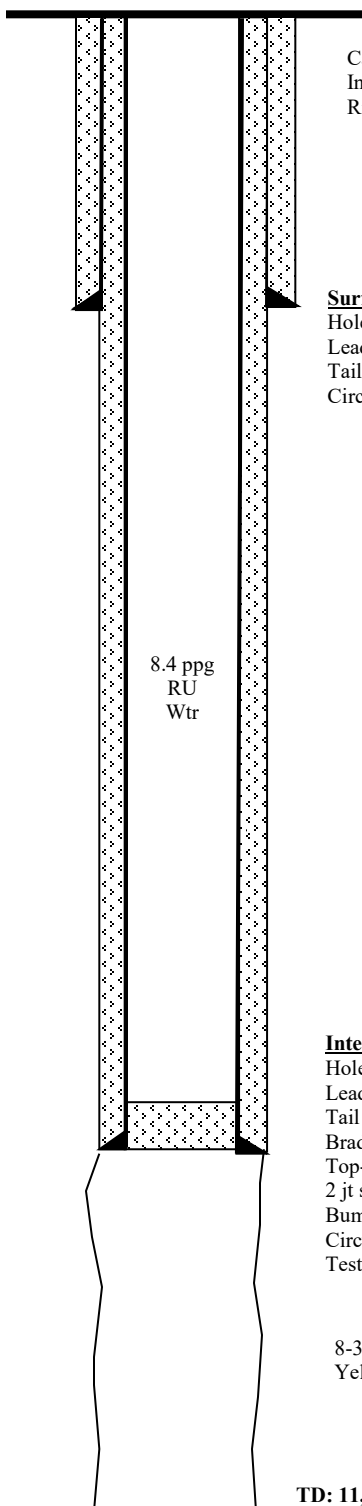
BHL: SESE / 230 FSL / 650 FEL / TWSP: 26S / RANGE: 30E / SECTION: 14 / LAT: 32.035987 / LONG: -103.844393 (TVD: 11342 feet, MD: 19041 feet)

CONFIDENTIAL

EOG Resources
Midnight Hour 11 Fed Com 768H
Purple Sage Field
 30-015-49718
 2507' FNL & 630' FEL
 Section 11 T26S R30E
 Eddy County, New Mexico

Existing WBD
11/1/2022

Formation Top	TVD
Rustler	1062'
Top of Salt	1447'
Base of Salt	3685'
Lamar	3817'
Bell Canyon	3846'
Cherry Canyon	4608'
Brushy Canyon	5885'
Bone Spring Lime	7686'
Leonard	7779'
First BS Sand	8627'
Second BS Shale	8908'
Second BS Sand	9279'
Third BS Carb	9737'
Third BS Sand	10554'
Wolfcamp	10947'



Casing slips set with 300 kips
 Installed WH
 Rig Released: 9/16/2022

Surface Casing @ 1235' MD/ 1234' TVD

Hole Size 13-1/2", 10-3/4" 40.5# J55 STC
 Lead Cement: 509 sx (145 bbls) (13.80 ppg / 1.60 yld)
 Tail Cement: 101sx (24 bbls) (14.8 ppg / 1.33 yld)
 Circulated 131 sx (31 bbls) CTS

Intermediate Casing @ 9781' MD/9776' TVD

Hole Size 9-7/8", 8-3/4" 38.5# P110EC Vam Sprint SF
 Lead Cement: 187 sx (40 bbls) (15.60 ppg / 1.20 yld)
 Tail Cement: 105 sx (20 bbls) (16.2 ppg / 1.10 yld)
 Braden Head Cement: 1000 sx (271 bbls) (14.80 ppg / 1.52 yld)
 Top-Off Cement: 10 sx (2 bbls) (14.80 ppg / 1.52 yld)
 2 jt shoe track – Top of FC @ 9688'
 Bumped plug with 2600 psi
 Circulated 4 sx (1 bbl) CTS. TOC @ 0' by Visual
 Tested casing to 2,600 psi for 30 min – OK.

8-3/4" intermediate casing stuck @ 9781' – Unable to work free
 Yellow Jacket WL ran free-pt. Stuck point @ 3382'.

TD: 11,369' MD/11,353' TVD

MIDNIGHT HOUR 768H
30-015-49718

PROPOSED P&A PROCEDURE:

1. Set plugs to cover the top of the Leonard / Bone Spring Lime 7586 TVD.
Top of plug needs to be 50' above and below 7586'
7736' TVD up to 7636' TVD 100' in the 8.75" OD 38.50 ppf
Pmp 35 sxs of CL H cmt 15.6 ppg / 1.18 yield / 5.20 gps mix water Capacity of Intermediate is
0.06063 bpf or 0.34038414 cfpf

Top of Float Collar: 9,688'
Float Shoe @ 9,781'
1. Pump spacer plug of 30 sxs of CL C cmt 4636 – 4536 14.8 ppg / 1.32 cfps / 6.30 gps mix water
TAG TOC
2. Plug to cover the top of the Delaware Mountain Group @ 3896 and bottom of the salt 3685.
3896 – 3635' 261' Pmp 85 sxs Class C 14.8 ppg / 1.32 cfps / 6.30 gps
mix water
3. Pmp 30 sxs plug from 1270' – 1170' 10-3/4" 40.5#, J-55 STC @ 1220' Surface Shoe plug, Class
C 14.8 ppg / 1.32 cfps / 6.30 gps mix water TAG TOC
4. Surface plug – Pmp 30 sxs CL C cmt 100' - back to surface, 14.8 ppg / 1.32 cfps / 6.30 gps mix
water
5. Verify cement to surface

eog resources			PROPOSED WELL SKETCH		RMW					
DEPTH (ft)	MARKERS (KB)	OGRID: 7377 API: 30-025-49718 AFE: 118119 CONDUCTOR SPUD: 8/9/2022 BR SPUD: 9/07/2022 @ 12:30 hrs FRR: 09/16/2022 @ 13:00 hrs RIG: Patterson 885	Midnight Hour 11 Fed Com #768H Beta (Wolfcamp M2) Field Eddy County, New Mexico	SURF: 2507' FNL & 630' FEL LOC: Sec. 11 SURVEY: T-26-S, R-30-E GL: 3192' KB: 3217' ZERO: 25' AGL	CASING SECTION	HOLE SIZE	MM (ppg)	MUD	BHST (°F)	LOT (ppg)
2,000'			<p>20" Conductor @ 120'</p> <p>Surface Hole @ 1,235' MD, 1,234' TVD Casing shoe @ 1,220' MD, 1,219' TVD 10-3/4" 40.5# J-55 STC Cement w/ 510 sx Class C + 2% GEL + 2% CTP-503P + 1/8 PPS CELLOFLAKES (1.60 yld, 13.8 ppg), followed by 100 sx Class C + 1/8 PPS CELLOFLAKES (1.33 yld, 14.8 ppg) Bump plug, test casing to 1,500 psi for 30 min - OK. Circ (31 bbls) 131 sx cement to surface.</p> <p>BOP/DIVERTERS/ROTATING HEAD- FULL TEST- RAMS, CHOKE, HCR, KILL LINES, VALVES 10K HIGH - 250 LOW, ANNULAR 5000 HIGH-250 LOW, MUD LINES 7500 HIGH-250 LOW</p> <p>Intermediate Hole @ 11,369' MD, 11,353' TVD Casing shoe @ 9,781' MD, 9,765' TVD 8-3/4", 38.5#, ECP-110 VAM Sprint SF Stage 1: Cement w/ 187 sx Class H + 0.5% + MgOx-M 0.35% + CPT-30 0.1% + D-3 0.4% + CPT-25 (1.20 yld, 15.6 ppg), followed by 105 sx Class H + 0.5% MGOX-M + 0.35% CPT-30 + 0.3% D-3 + 0.4% CPT-23 (1.10 yld, 16.2 ppg) Bump plug, test casing to 2,600 psi for 30 min. Did not circ cement to surface. TOC @ 7,000' by Calc Stage 2: Bradenhead squeeze w/ 1,000 sx Class C + 12%BWOW SODIUM CHLORIDE + 2% CALCIUM CHLORIDE + 1% MGOX-M + 5% GYPSUM (1.52 yld, 14.8 ppg) Stage 3: 1st Top Out pump 10 sx Class C + 2% NAC-110 + 1% NBE-733 (1.36 yld, 14.8 ppg), circulate (1 bbls) 4 sx cement to surface, TOC @ 0' by Visual.</p> <p>Casing slips set with 300 kips Installed WH Rig Released: 9/16/2022</p> <p>8-3/4" intermediate casing stuck @ 9781' - Unable to work free Yellow Jacket WL ran free-pt. Stuck point @ 3382'.</p>	Surface Section	13-1/2"	8.4	FW			
3,000'						9.2		82		
5,000'						8.4				
6,000'										
7,000'						9-7/8"		EnelITE		NA
8,000'										
9,000'										
10,000'										
11,000'										
					Orig Eng:	RMW				
					Date:	11/14/2022				
<p>Plugs: SHOE Joint not drilled out Top of Float Collar: 9,688' - Float Shoe @ 9,781'; BD Lime top @ 7686' plug 7736' TVD up to 7636' TVD 100' in the 8.75" OD 38.50 ppf 28.sacks (round up to 35) of Class H 15.6 ppg / 1.18 yield / 5.20 gps mix water; Spacer plug - 30 sack plug from 4636 - 4536 Class C 14.8 ppg / 1.32 cfps / 6.30 gps mix water; Plug to cover the top of the Delaware Mountain Group @ 3896 and bottom of the salt 3685. 3896 - 3635' 261' 75 sacks round up to 85 sacks Class C 14.8 ppg / 1.32 cfps / 6.30 gps mix water; 10-3/4" 40.5#, J-55 STC @ 1220' Surface Shoe plug 30 sack plug from 1270' - 1170' Class C 14.8 ppg / 1.32 cfps / 6.30 gps mix water; Surface plug - 100' - back to surface 30 sack plug from 100' -0' Class C 14.8 ppg / 1.32 cfps / 6.30 gps mix water</p>										

Well Name: MIDNIGHT HOUR 11 FED COM	Well Location: T26S / R30E / SEC 11 / SENE /	County or Parish/State: /
Well Number: 768H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM93207	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001549718	Well Status: Drilling Well	Operator: EOG RESOURCES INCORPORATED

Notice of Intent

Sundry ID: 2761499

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 11/14/2023	Time Sundry Submitted: 11:30
Date proposed operation will begin: 11/25/2023	

Procedure Description: THIS WELLBORE WAS LOST, EOG PROPOSES TO PLUG THIS WELL USING THE ATTACHED PROCEDURE.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

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Well Name: MIDNIGHT HOUR 11 FED COM	Well Location: T26S / R30E / SEC 11 / SENE /	County or Parish/State: /
Well Number: 768H	Type of Well: OIL WELL	Allottee or Tribe Name:
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Operator Electronic Signature: KAY MADDOX	Signed on: NOV 14, 2023 11:30 AM
Name: EOG RESOURCES INCORPORATED	
Title: Regulatory Specialist	
Street Address: 5509 CHAMPIONS DR.	
City: MIDLAND	State: TX
Phone: (432) 638-8475	
Email address: KAY_MADDOX@EOGRESOURCES.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

**MIDNIGHT HOUR 768H
30-015-49718****PROPOSED P&A PROCEDURE: (Medium Cave Karst)**

1. Tag TD, spot 25 sxs on top. WOC and Tag above 9628'. (Intermediate Shoe)
2. Set plugs to cover the top of the Leonard / Bone Spring Lime 7586 TVD.

Top of plug needs to be at least 7586'

7736' TVD up to 7559' TVD 177' in the 8.75" OD 38.50 ppf

Pmp 53 sxs of CL H cmt 15.6 ppg / 1.18 yield / 5.20 gps mix water Capacity of Intermediate is 0.06063 bpf or 0.34038414 cfpf WOC and Tag. (Bone Springs at 7686')

Top of Float Collar: 9,688'

Float Shoe @ 9,781'

1. Pump spacer plug of 36 sxs of CL C cmt 4636 – 4490 14.8 ppg / 1.32 cfps / 6.30 gps mix water TAG TOC
2. Plug to cover the top of the Delaware Mountain Group @ 3896 and bottom of the salt 3685. 3946' – 3598' 348' Pmp 85 sxs Class C 14.8 ppg / 1.32 cfps / 6.30 gps9 mix water WOC and Tag.
3. Pmp 361 sxs plug from 1497' – surface 10-3/4" 40.5#, J-55 STC @ 1220' Surface Shoe plug, Class C 14.8 ppg / 1.32 cfps / 6.30 gps mix water Verify at surface (T. Salt @ 1447', Surface shoe, Fresh water @ 325', Surface plug)
4. Verify cement to surface

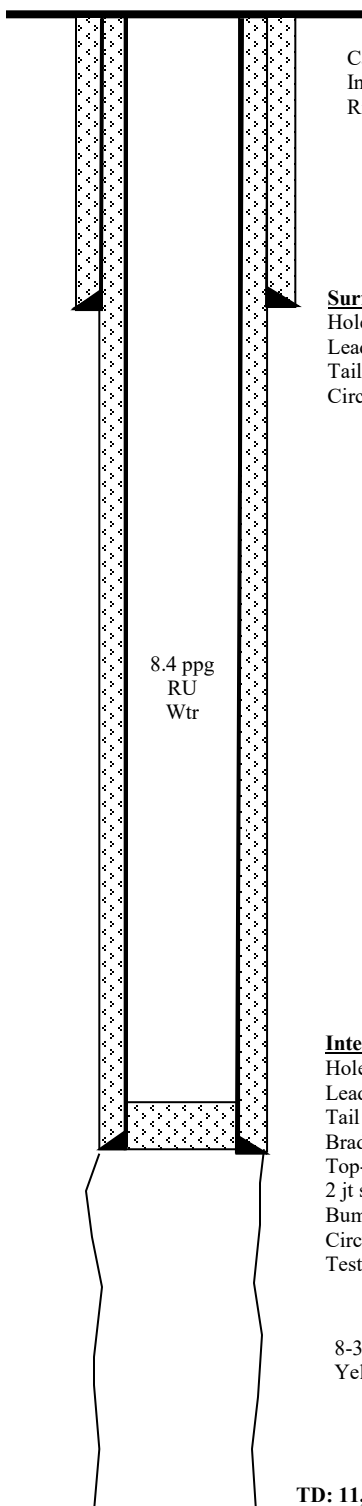
eog resources			PROPOSED WELL SKETCH		RMW						
DEPTH (ft)	MARKERS (KB)	OGRID: 7377 API: 30-025-49718 AFE: 118119 CONDUCTOR SPUD: 8/9/2022 BR SPUD: 9/07/2022 @ 12:30 hrs FRR: 09/16/2022 @ 13:00 hrs RIG: Patterson 885	Midnight Hour 11 Fed Com #768H Beta (Wolfcamp M2) Field Eddy County, New Mexico		SURF: 2507' FNL & 630' FEL LOC: Sec. 11 SURVEY: T-26-S, R-30-E GL: 3192' KB: 3217' ZERO: 25' AGL	CASING SECTION	HOLE SIZE	MM (ppg)	MUD	BHST (°F)	LOT (ppg)
2,000'			20" Conductor @ 120' Surface Hole @ 1,235' MD, 1,234' TVD Casing shoe @ 1,220' MD, 1,219' TVD 10-3/4" 40.5# J-55 STC Cement w/ 510 sx Class C + 2% GEL + 2% CTP-503P + 1/8 PPS CELLOFLAKES (1.60 yld, 13.8 ppg), followed by 100 sx Class C + 1/8 PPS CELLOFLAKES (1.33 yld, 14.8 ppg) Bump plug, test casing to 1,500 psi for 30 min - OK. Circ (31 bbls) 131 sx cement to surface.		Surface Section	13-1/2"	8.4	FW			
3,000'	9.2	82									
5,000'			BOP/DIVERTERS/ROTATING HEAD- FULL TEST- RAMS, CHOKE, HCR, KILL LINES, VALVES 10K HIGH - 250 LOW, ANNULAR 5000 HIGH-250 LOW, MUD LINES 7500 HIGH-250 LOW Intermediate Hole @ 11,369' MD, 11,353' TVD Casing shoe @ 9,781' MD, 9,765' TVD 8-3/4", 38.5#, ECP-110 VAM Sprint SF Stage 1: Cement w/ 187 sx Class H + 0.5% + MgOx-M 0.35% + CPT-30 0.1% + D-3 0.4% + CPT-25 (1.20 yld, 15.6 ppg), followed by 105 sx Class H + 0.5% MGOX-M + 0.35% CPT-30 + 0.3% D-3 + 0.4% CPT-23 (1.10 yld, 16.2 ppg) Bump plug, test casing to 2,600 psi for 30 min. Did not circ cement to surface. TOC @ 7,000' by Calc Stage 2: Bradenhead squeeze w/ 1,000 sx Class C + 12%BWOW SODIUM CHLORIDE + 2% CALCIUM CHLORIDE + 1% MGOX-M + 5% GYPSUM (1.52 yld, 14.8 ppg) Stage 3: 1st Top Out pump 10 sx Class C + 2% NAC-110 + 1% NBE-733 (1.36 yld, 14.8 ppg), circulate (1 bbls) 4 sx cement to surface, TOC @ 0' by Visual. Casing slips set with 300 kips Installed WH Rig Released: 9/16/2022 8-3/4" intermediate casing stuck @ 9781' - Unable to work free Yellow Jacket WL ran free-pt. Stuck point @ 3382'.		Intermediate Section	9-7/8"	8.4	EnelITE		NA	
6,000'											
7,000'											
8,000'											
9,000'											
10,000'											
11,000'											
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Approval Subject to
General Requirements and
Special Stipulations
Attached

EOG Resources
Midnight Hour 11 Fed Com 768H
Purple Sage Field
 30-015-49718
 2507' FNL & 630' FEL
 Section 11 T26S R30E
 Eddy County, New Mexico

Existing WBD
11/1/2022

Formation Top	TVD
Rustler	1062'
Top of Salt	1447'
Base of Salt	3685'
Lamar	3817'
Bell Canyon	3846'
Cherry Canyon	4608'
Brushy Canyon	5885'
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Second BS Sand	9279'
Third BS Carb	9737'
Third BS Sand	10554'
Wolfcamp	10947'



Casing slips set with 300 kips
 Installed WH
 Rig Released: 9/16/2022

Surface Casing @ 1235' MD/ 1234' TVD

Hole Size 13-1/2", 10-3/4" 40.5# J55 STC
 Lead Cement: 509 sx (145 bbls) (13.80 ppg / 1.60 yld)
 Tail Cement: 101sx (24 bbls) (14.8 ppg / 1.33 yld)
 Circulated 131 sx (31 bbls) CTS

Intermediate Casing @ 9781' MD/9776' TVD

Hole Size 9-7/8", 8-3/4" 38.5# P110EC Vam Sprint SF
 Lead Cement: 187 sx (40 bbls) (15.60 ppg / 1.20 yld)
 Tail Cement: 105 sx (20 bbls) (16.2 ppg / 1.10 yld)
 Braden Head Cement: 1000 sx (271 bbls) (14.80 ppg / 1.52 yld)
 Top-Off Cement: 10 sx (2 bbls) (14.80 ppg / 1.52 yld)
 2 jt shoe track – Top of FC @ 9688'
 Bumped plug with 2600 psi
 Circulated 4 sx (1 bbl) CTS. TOC @ 0' by Visual
 Tested casing to 2,600 psi for 30 min – OK.

8-3/4" intermediate casing stuck @ 9781' – Unable to work free
 Yellow Jacket WL ran free-pt. Stuck point @ 3382'.

TD: 11,369' MD/11,353' TVD

**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 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. **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. 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.

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 10th 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

Doris Lauger Martinez
Environmental Protection Specialist
575-234-5926

Jaden Johnston
Environmental Protection Asst. (Intern)
575-234-6252

Sundry ID

2761499

Plug Type	Top	Bottom	Length	Tag	Sacks	Cement Class	Notes
Surface Plug	0.00	100.00	100.00	Tag/Verify			
Fresh Water @ 325	271.75	375.00	103.25	If solid			
Shoe Plug	1171.66	1284.00	112.34	Tag/Verify			
Top of Salt @ 1447	1382.53	1497.00	114.47	Tag/Verify	361.00	C	Spot cement from 1497' to surface. Verify at surface.
Base of Salt @ 3685	3598.15	3735.00	136.85	Tag/Verify			
Delaware @ 3896	3807.04	3946.00	138.96	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	85.00	C	Spot cement from 3946' to 3598'. WOC and Tag.
Spacer Plug @ 4586	4490.14	4636.00	145.86	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	36.00	C	Spot cement from 4636' to 4490'. WOC and Tag.

				If solid base no need to Tag (CIBP present and/or Mechanic al Integrity Test), If Perf & Sqz then Tag, Leak Test all CIBP if no Open Perforatio ns			
Bonesprings @ 7686	7559.14	7736.00	176.86		53.00	C	Spot cement from 7736' to 7559'. WOC and Tag.
Shoe Plug	9628.24	9826.00	197.76	Tag/Verify	25.00	C	Tag TD and spot 25 sxs on top. WOC and Tag at 9628'.
Wolfcamp @ 10947	10787.53	10997.00	209.47	If solid			

No more than 2000' is to be allowed between plugs in open hole, and no more than 3000' between plugs in cased hole.

Class H >7500'

Class C <7500'

Fluid used to mix the cement in R111P shall be saturated with the salts common to the section penetrated, and in suitable proportions, but not more than 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible.

Medium, Secretary: Top of salt to surface If no salt take the deepest fresh water or Karst Depth

High, Critical: Bottom of Karst to surface or Deepest fresh water, whichever is greater

R111P: 50 Feet from Base of Salt to surface.

Class C: 1.32 ft³/sx

Class H: 1.06 ft³/sx

Onshore Order 2.III.G Drilling Abandonment Requirements: "All formations bearing usable-quality water, oil, gas, or geothermal resources, and/or a prospectively valuable deposit of minerals shall be protected.

Cave Karst/Potash Cement	Medium	Top of Salt to surface
Shoe @	1234.00	
Shoe @	9776.00	

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

CONDITIONS

Action 289376

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 289376
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	12/6/2023