

Well Name: DEEP ELEM 4 FED COM	Well Location: T26S / R31E / SEC 4 / SWSE / 32.065794 / -103.781077	County or Parish/State: EDDY / NM
Well Number: 704H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM0438001	Unit or CA Name:	Unit or CA Number: NMNM143621
US Well Number: 3001548583	Operator: EOG RESOURCES INCORPORATED	

Notice of Intent

Sundry ID: 2793837

Type of Submission: Notice of Intent	Type of Action: Cement Remediation
Date Sundry Submitted: 06/06/2024	Time Sundry Submitted: 08:23
Date proposed operation will begin: 08/01/2024	

Procedure Description: Try to establish an injection rate into the annulus. If successful, do a bradenhead squeeze. If unable to inject at minimum rate of 2.5 bpm using a MAWHTP of 5,000 psi. Set RBP @ 11,350' MD; Perforate squeeze holes @ 11,000' MD; Squeeze under a packer w/ Class H cement. Drill out, Test, Retrieve RBP, return to production.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

DEEP_ELEM_4_FED_COM_704H_WBD_20240610084738.pdf

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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: JUN 10, 2024 08:48 AM

Name: EOG RESOURCES INCORPORATED

Title: Regulatory Specialist

Street Address: 5509 CHAMPIONS DR.

City: MIDLANDState: 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: KEITH P IMMATTY

BLM POC Title: ENGINEER

BLM POC Phone: 5759884722

BLM POC Email Address: KIMMATTY@BLM.GOV

Disposition: Approved

Disposition Date: 06/10/2024

Signature: Keith Immatty

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.	
6. If Indian, Allottee or Tribe Name	
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 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 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 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: SWSE / 375 FSL / 1998 FEL / TWSP: 26S / RANGE: 31E / SECTION: 4 / LAT: 32.065794 / LONG: -103.781077 (TVD: 0 feet, MD: 0 feet)

PPP: NENE / 330 FNL / 1310 FEL / TWSP: 26S / RANGE: 31E / SECTION: 9 / LAT: 32.063861 / LONG: -103.778861 (TVD: 11482 feet, MD: 11662 feet)

BHL: SESE / 230 FSL / 1310 FEL / TWSP: 26S / RANGE: 31E / SECTION: 16 / LAT: 32.036099 / LONG: -103.778905 (TVD: 11525 feet, MD: 21768 feet)

eog resources				CURRENT WELL SKETCH				SGJ			
DEPTH (ft)	MARKERS (KB)	CONDUCTOR SPUD: 9/8/2021 BR SPUD: 10/7/2021 @ 11:45 hrs FRR: 11/27/2021 @ 17:00 hrs RIG: Nabors M1206	Deep Elem 4 Fed Com #704H Beta (Wolfcamp City Y) Field Eddy County, New Mexico	SURF: 375' FSL & 1,998' FEL LOC: Sec. 4 SURVEY: T-26-S, R-31-E GL: 3,280' KB: 3,305' ZERO: 25.0' AGL	CASING SECTION	HOLE SIZE	MM (ppg)	MUD	BHST (ft)	LOT (ppg)	
2,000'	Rustler - 1,085' Tamarisk Anhydrite - 1,186' Top Salt - 1,416'			20" Conductor Hole @ 115' MD Surface Hole @ 1,297' MD, 1,213' TVD Casing shoe @ 1,282' MD, 1,281' TVD 9-5/8" 40# J55 LTC Cement w/ 490' ex Class C + 3% Salt + 0.5% SMS + 3 pps KoiSeal (13.8 ppg, 1.60 yd), followed by 110' ex Class C + 2% CaCl + 0.25 pps Calloflake (14.8 ppg, 1.33 yd) Bump plug, test casing to 1500 psi for 30 min, Circ (69 bbls) 20' 33 cement to surface	Surface Section	12-1/4"	8.4	FW			
3,000'				BOPOVERTERS/ROTATING HEAD-TEST BOPS W/ LONE STAR HYDROSTATIC TO BLM REQUIREMENTS, TEST ANNULAR 250 LOW 5000 HIGH 10 MINS EACH, TEST TOP & BTM VARIABLE RAMS 4.5" DP, BLIND RAMS AND SUPER CHOKES 250 LOW/10,000 HIGH 10 MINS EACH, TEST ORBIT VALVE 500 PSI, TEST PUMP LINE FROM FLOOR TO PUMPS 250 LOW 7000 HIGH 10 MINS EACH, TEST ROAD SIDE KILL 250 LOW, 10,000 HIGH 10 MINS EACH TEST, TEST FLOOR VALVES 250 LOW 10,000 HIGH 10 MINS EACH TEST.			9.2		82		
6,000'	Base Salt - 3,997' Lamar - 4,158' Bell Canyon - 4,191' Cherry Canyon - 5,113'			Intermediate Hole @ 10,965' MD, 10,920' TVD Casing shoe @ 10,950' MD, 10,905' TVD 7-5/8" 29.7# ICYP-110 MO-FAL (0' - 8,137'), 7-5/8" 28.7# ICYP-110 MO-XFC (8,137' - 10,950'), Stage 1: Cement w/ 410' ex Class C + 0.6% Halad-9(PB) + 3% Microbond + 0.2 HR-601 (1.23 yd, 15.6 ppg) Did not bump plug, test casing to 2,600 psi for 30 min, Did not circ cement to surface, TOC @ 6,000' by Calc Stage 2: Bradenhead squeeze w/ 1,000' ex Class C + 5% Cal-Seal 60 + 3% Microbond + 10% NaCl (1.51 yd, 14.8 ppg) Stage 3: Top out w/ 202' ex Class C (1.33 yd, 14.8 ppg), Circulated (3 bbls) 13' ex of cement to surface	Intermediate Section	8-3/4"	8.3/4"	EnelITE		NA	
7,000'	Brushy Canyon - 6,371'										
8,000'	Bone Spring Lime - 8,147' Leonard A - 8,242' Leonard B - 8,547'			Directional Plan: KOP @ 10,992' MD EOC @ 11,897' MD / 11,529' TVD EOL @ 21,881' MD / 11,468' TVD 12,000' 100' Build Rate VS @ EOC 732.2' VS @ TD 10,704.3' VS Azimuth 179.67° Grid North							
9,000'	1st Bone Spring Sand - 9,048' 2nd Bone Spring Shale - 9,314' 2nd Bone Spring Sand - 9,734'			Production Hole @ 26,787' MD, 11,497' TVD Casing shoe @ 21,789' MD, 11,497' TVD 5-1/2" 20# ICYP-110 TXP (0-10,444'), 5-1/2" 20# ICYP-110 TLW-SC (10,444'-11,292'), 5-1/2" 20# ICYP-110 TXP (11,292'-21,789'), (MJ @ 1,198', 10,400' and 21,311') Cement w/ 1,185' ex Class C + 0.4% Halad-34(PB) + 0.45% HR-601 + 3% Microbond + 0.25 pps D-Air 5000 (1.26 yd, 14.5 ppg) Bump plug, no casing test (wet shoe). Did not circ cement to surface, TOC @ 10,444' by ROBL	Production Section	6-3/4"	13.0	OBM		N/A	
10,000'	3rd Bone Spring Carb - 10,176'										
11,000'	3rd Bone Spring Sand - 10,974'						13.4		194		
<p>Wolfcamp - 11,382' Wolfcamp City Y - 11,513' PTD - 11,497'</p> <p>Top Perfs 11,899' MD 11,290' MD</p> <p>Drig Eng: M. Cote Date: 11/29/2021</p> <p>Comments: • MWD Failure Drilling 12.25" Surface @ 460' - no pulses (NPT: 1.5hrs) • POOH After Kicking Off Curve Due To Highly Erratic Tool Face Control - Worm Depth Limiters, Broken Cutters & Chunk of Blade Broken Off On Nose (NPT: 9.0hrs) • 6.75" Unplanned Lateral PDC Trip Due To Low ROP - DBR (NPT: 14.5hrs)</p> <p>Directions to Location: FROM THE INTERSECTION OF HWY 18 AND HWY 128 IN JAL, NM-GO WEST ON HWY 128 & GO 30 MILES • TURN LEFT (SOUTH) ON CR 1 & GO 10.4 MILES • TURN RIGHT (WEST) ONTO PIPELINE ROAD & GO 6.2 MILES • TURN RIGHT (NORTH) & GO 0.1 MILE • TURN LEFT (WEST) ONTO DEEP ELEM 4 FED COM #727H, #704H, #725H & #706H</p>											

1/4/2022

Deep Elem 4 Fed Com 704H Drilling Well Sketch (SGJ).xlsx

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/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 352600

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 352600
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Adequate cement volume to be pumped to achieve required tie-back and proper zonal isolation below the intermediate shoe.	10/2/2025
ward.rikala	CBL is required post remediation to verify proper zonal isolation.	10/2/2025