

Well Name: WOLF AJA FED	Well Location: T21S / R31E / SEC 25 / NESE /	County or Parish/State: EDDY / NM
Well Number: 4	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM61358	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001526777	Well Status: Oil Well Shut In	Operator: EOG RESOURCES INCORPORATED

Accepted for record – NMOCD gc 8/25/2022

Notice of Intent

Sundry ID: 2687722

Type of Submission: Notice of Intent	Type of Action: Plug and Abandonment
Date Sundry Submitted: 08/16/2022	Time Sundry Submitted: 03:33
Date proposed operation will begin: 09/01/2022	

Procedure Description: EOG PROPOSES TO PLUG THIS WELL USING THE ATTACHED PROCEDURE, CURRENT AND PROPOSED WELLBORE DIAGRAMS ARE ALSO ATTACHED.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

WOLF_AJA_FEDERAL__4_PROCEDURE____PROPOSED_WELLBORE_DIAGRAMS_20220816153326.pdf

Received by OCD: 8/24/2022 10:18:08 AM

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Well Name: WOLF_AJA_FED	Well Location: T21S / R31E / SEC 25 / NESE /	County or Parish/State: EDDY / NM
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Conditions of Approval

Specialist Review

WOLF_AJA_FEDERAL_4__2687722__COA_AND_PROCEDURE_20220824091742.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: AUG 16, 2022 03:33 PM
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: KEITH P IMMATTY	BLM POC Title: ENGINEER
BLM POC Phone: 5759884722	BLM POC Email Address: KIMMATTY@BLM.GOV
Disposition: Approved	Disposition Date: 08/24/2022
Signature: Keith Immatty	



Wolf AJA Federal #4 – P&A

I-25-21S-31E

API # 30-015-26777

1. Notify Regulatory Agency 24 hours prior to commencing work. MIRU well service unit and all necessary safety equipment.
2. ND WH, NU BOP.
3. RIH, set 5.5" CIBP at 7035. TAG. **Pressure test CIBP, 500psi 30mins**
4. Circulate plugging mud and spot 35 feet class C on top of CIBP. **25sx minimum if spotted.**
5. **Shoe+ Delaware: 4595' to 4422'. WOC, Tag and verify**
6. Pick up set R-111-P Solid Plug from 3967 to **1925** with **210** sx class C. WOC & TAG. **Perf and sqz needed above 1925'**
7. **Rest of Solid Salt plug: 1925' to 1084'. Perf and sqz. WOC, Tag and verify**
8. Pick up, perf @ 996 and squeeze 35 sx class C to 640. WOC & TAG.
9. Pick up, perf @ 100 and squeeze class C to 0.
10. Cut off WH 3' below surface, verify cement to surface, and weld on below ground P&A marker.
11. Cut off anchors 3' below surface and clean location.

Well Name: Wolf AJA Federal #4
 Location: 1980 FSL 330 FEL
 County: Eddy, NM
 Lat/Long: 32.4477844, -103.7239838
 API #: 3001526777
 Spud Date: 7/4/91
 Compl. Date: 8/26/91



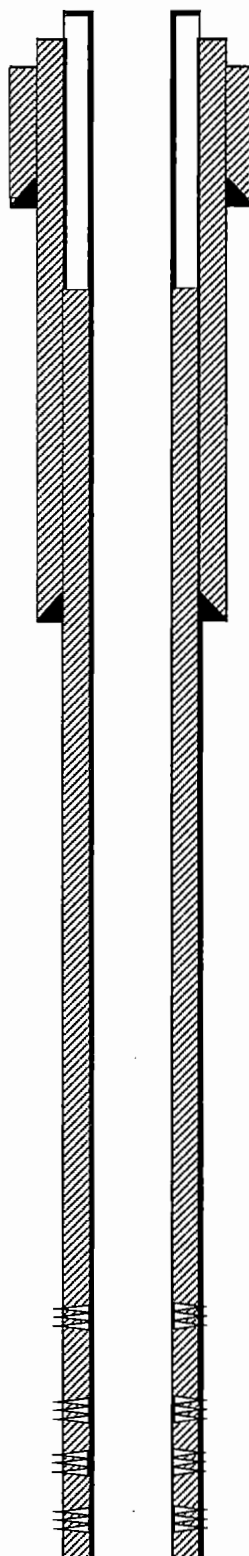
Current Wellbore Diagram:

KB:
 GL: 3690

17.500"
 13.375" 54.50# @ 850
 750 sx = surface

TOC @ 1925

12.250"
 8.625" 32.00# @ 4545
 1700 sx = surface



Open Perfs @ 7085 - 7134

Open Perfs @ 7262 - 7268

Open Perfs @ 7352 - 7457

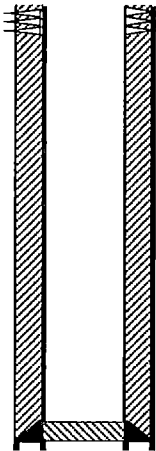
Open Perfs @ 8258 - 8317

Formation Tops	
T of Salt	1,146
B of Salt	3,917
Rustler	798
Bell Canyon	4,518
Cherry Canyon	5,576
Brushy Canyon	7,305
Leonard	
Bone Spring	8,507
Wolfcamp	
Cisco	
Canyon	
Strong	
Atoka	
Morrow	

DV @ 8424

7.875"
5.500" 17.000# @ 8600
1050 sx

PBTD @ 8541
TD @ 8600



Open Perfs @ 8438 - 8464

Not to Scale	
By: AEC	8/16/22

Well Name: Wolf AJA Federal #4
 Location: 1980 FSL 330 FEL
 County: Eddy, NM
 Lat/Long: 32.4477844, -103.7239838
 API #: 3001526777
 Spud Date: 7/4/1991
 Compl. Date: 8/26/1991



Proposed Wellbore Diagram:

KB:

GL:

3690

17.500"

13.375" 54.50# @ 850

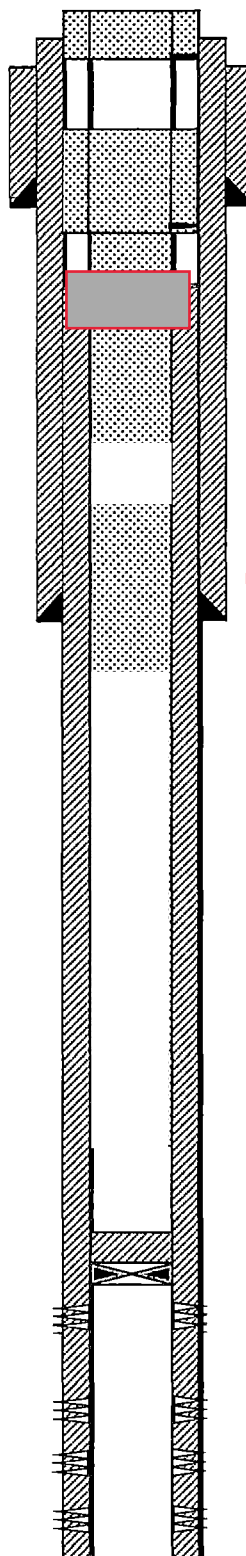
750 sx = surface

TOC @ 1925

12.250"

8.625" 32.00# @ 4545

1700 sx = surface



Surface Perf and Sqz @ 100 w/ class C

Perf and Sqz @ 996 w/ 35sx Class C (top ~640. Tag and verify)

R-111-P Solid Plug Top of Salt
WOC and TAG (top ~1084)R-111-P Solid Plug Base of Salt
Balanced Plug Class C @ 3967 to 1925 (210 sx) Tag and verify
Perf and sqz 200sx from 1925 to 1084' Tag and verify

Delaware + Shoe: 4568' to 4422'. WOC and tag

CIBP @ 7035 w/35' class C cmt. Pressure test 500psi, 30mins

Open Perfs @ 7085 - 7134

Open Perfs @ 7262 - 7268

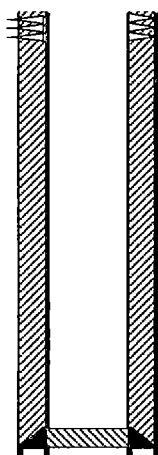
Open Perfs @ 7352 - 7457

Open Perfs @ 8258 - 8317

Formation Tops

T of Salt	1,146
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DV @ 8424
7.875"
5.500" 17.000# @ 8600
1050 sx
PBD @ 8541
TD @ 8600



Open Perfs @ 8438 - 8464

Not to Scale	
By: AEC	8/16/22

Sundry ID		2687722				
Plug Type	Top	Bottom	Length	Tag	Sacks	Notes
Surface Plug	0.00	100.00	100.00	Verify at surface	30.00	Perf and sqz
Shoe Plug	791.50	900.00	108.50	Tag/Verify	30.00	Perf and sqz
				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		
Fresh Water @ 900	841.00	950.00	109.00		30.00	Perf and sqz. Fresh water base to be covered in R111P area.
Top of Salt @ 1146	1084.54	1925.00	840.46	Tag/Verify	200.00	Perf and sqz. R111P Solid Plug across Salt Section
TOC @ 1925. PERF AND SQZ ABOVE	1925.00	1925.00				
Base of Salt @ 3917	1925.00	3967.00	2042.00	Tag/Verify	210.00	R111P. Solid Plug across Salt Section
				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		
Delaware @ 4518	4422.82	4568.00	145.18		25.00	
Shoe Plug	4449.55	4595.00	145.45	Tag/Verify	25.00	

CIBP Plug	7000.00	7035.00	35.00	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	25.00	Pressure test CIBP to 500psi, 30mins
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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.
Critical, High Cave Karst: Cave Karst depth to surface
R111P: Solid plug in all annuli - 50' from bottom of salt to surface.
Class C: 1.32 ft ³ /sx
Class H: 1.06 ft ³ /sx

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

Cave Karst/Potash Cement	R111-P	50 Feet from Base of Salt to Surface
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Shoe @	850.00
Shoe @	4545.00
Shoe @	8600.00

Perforatons Top @	7085.00	Perforations	8464.00
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CIBP @	7035.00
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**BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972**

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

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

1. Plugging operations shall commence within **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.

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. Below Ground Level Cap (Lesser Prairie-Chicken Habitat): All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). **The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off.** Upon the plugging and subsequent abandonment of wells that are located in lesser prairie-chicken habitat, the casings shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be covered with a metal plate at least ¼ inch thick and welded in place. A weep hole shall be left in the plate and/or casing.

NMOCD also requires the operator to notify NMOCD when this type of dry hole marker is used. This can be done on the subsequent report of abandonment which is submitted to the BLM after the well is plugged. State that a below ground cap was installed as required in the COA's from the BLM.

7. 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.

Timing Limitation Stipulation/ Condition of Approval for Lesser Prairie-Chicken:

From March 1st through June 15th annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
620 E. Greene St.
Carlsbad, New Mexico 88220-6292
www.blm.gov/nm



In Reply Refer To: 1310

Reclamation Objectives and Procedures

Reclamation Objective: Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo “interim” reclamation in order to minimize the environmental impacts of development on other resources and uses. At final abandonment, well locations, production facilities, and access roads must undergo “final” reclamation so that the character and productivity of the land and water are restored.

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its pre-disturbance condition. The operator is generally not responsible for achieving full ecological restoration of the site. Instead, the operator must achieve the short-term stability, visual, hydrological, and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

To achieve these objectives, remove any/all contaminants, scrap/trash, equipment, pipelines and powerlines **(Contact service companies, allowing plenty of time to have the risers and power lines and poles removed prior to reclamation, don't wait till the last day and try to get them to remove infrastructure)**. Strip and remove caliche, contour the location to blend with the surrounding landscape, re-distribute the native soils, provide erosion control as needed, rip (across the slope and seed as specified in the original APD COA. **This will apply to well pads, facilities, and access roads.** Barricade access road at the starting point. If reserve pits have not reclaimed due to salts or other contaminants, submit a plan for approval, as to how you propose to provide adequate restoration of the pit area.

1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.
2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well 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

Trishia Bad Bear, Hobbs Field Station
Natural Resource Specialist
575-393-3612

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 137424

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 137424
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	8/25/2022