U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

03/27/2022

Well Name: OCOTILLO ACI

Well Location: T20S / R24E / SEC 10 / NENE /

County or Parish/State: EDDY / NM

Well Number: 1

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM42787

Unit or CA Name:

Unit or CA Number:

US Well Number: 300152633800S1

Well Status: Gas Well Shut In

Operator: EOG RESOURCES INCORPORATED

Accepted for record – NMOCD gc 3/31/2022

Notice of Intent

Sundry ID: 2660612

Type of Submission: Notice of Intent

Type of Action: Plug and Abandonment

Date Sundry Submitted: 03/07/2022

Time Sundry Submitted: 05:19

Date proposed operation will begin: 03/29/2022

Procedure Description: Please see attached Notice of Intent to P&A. Thank you.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Ocotillo_ACI_Federal_1_3_7_22_20220307171911.pdf

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Conditions of Approval

Specialist Review

Ocotillo_ACI_Federal_1_Sundry_ID_2660612_P_A_20220327135556.pdf

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: TINA HUERTA

Signed on: MAR 07, 2022 05:19 PM

Name: EOG RESOURCES INCORPORATED

Title: Regulatory Specialist

Street Address: 104 SOUTH FOURTH STREET

City: Artesia **State:** NM

Phone: (575) 748-4168

Email address: tina_huerta@eogresources.com

Field Representative

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: 5752345972

BLM POC Email Address: LVO@BLM.GOV

Disposition: Approved

Disposition Date: 03/27/2022

Signature: Long Vo

Sundry ID: 2660612
High Karst

Ocotillo ACI Federal 1
30-015-26338
Lease # NM-42787
660'FNL & 660'FEL
Unit Letter A-10-20S-24E
Eddy County, New Mexico

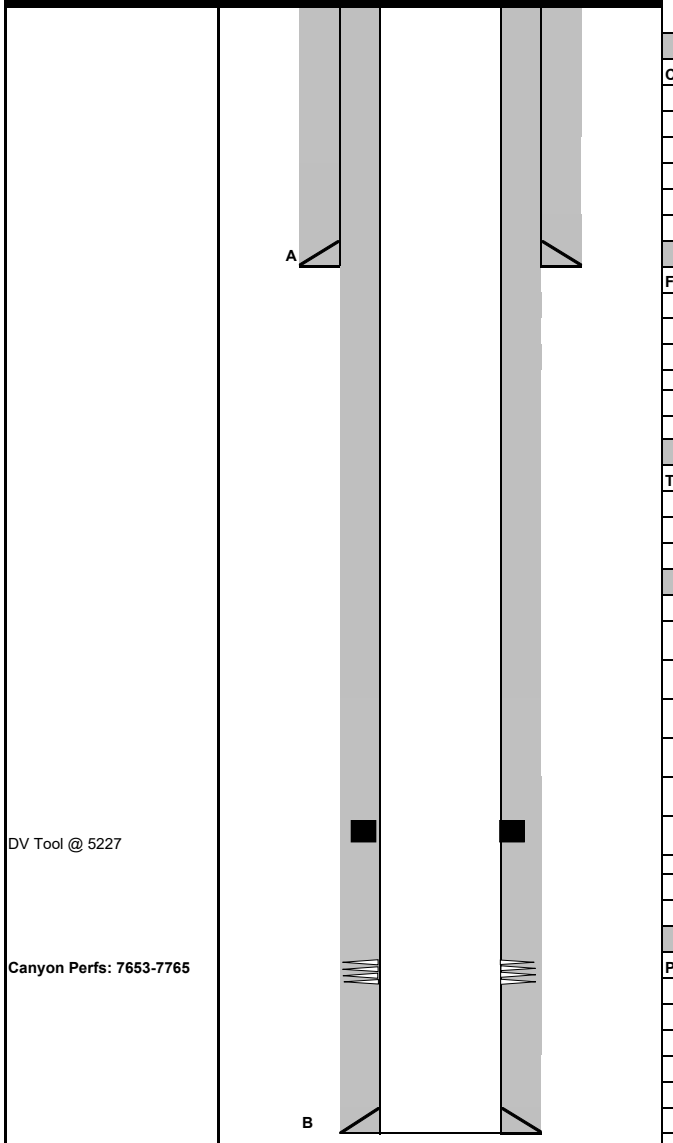
EOG Resources, Inc. plans to plug and abandon this well as follows:

1. MIRU all safety equipment as needed. NU BOP. POOH with production equipment.
2. Set a CIBP at 9013'. Spot 9 sx Class H cement on top of CIBP to 8978'. WOC and tag. This will cover Morrow top.
3. Set a CIBP at 7600'. Spot 40 sx Class H cement on top of CIBP to 7450'. WOC and tag. This will cover open perfs and Canyon top.
4. Perforate at 5277'. Attempt injection rate. Spot a 55 sx Class C cement plug from 5400'-5124'. WOC and tag. This will cover Wolfcamp top and DV tool.
5. Spot a 25 sx Class C cement plug from 4270'-4125'. This will cover Abo top.
6. Spot a 30 sx Class C cement plug from 3380' to 3246'. This will cover the Bone Springs top at 3330'.
7. Spot a 25 sx Class C cement plug from 1990'-1864'. This will cover Glorieta top.
8. Perforate at 1250'. Attempt injection rate. Spot a 25 sx Class C cement plug from 1250'-1130'. WOC and tag. This will cover casing shoe.
9. Spot 100 sx Class C cement at 485' and circulate up to surface. Back fill as needed.
10. Cut off wellhead and install dry hole marker. Clean location as per regulated.

Wellbore schematics attached

Ocotillo ACI Fed 1 Current

Sec-TWN-RNG:	**10-20S-24E**	**API:**	**30-015-26632**
FOOTAGES:	**660' FNL & 660' FEL**	**GL:**	**3813**
		KB:	



CASING DETAIL

#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	14 3/4	10 3/4	40.5	J-55	0	1,195	1050	Circ	
B	9 1/2	7 5/8	26.4 & 33.7 & 29.7	N-80	0	9,430	2275	Stage 2 Circ	
								Stage 1 TOC 6850	CBL
								DV tool @ 5227'	

FORMATION TOPS

Formation	Top	Formation	Top
San Andres	435	Canyon	7502
Glorieta	1934	Morrow	9063
Abo	4218		
Wolfcamp	5346		

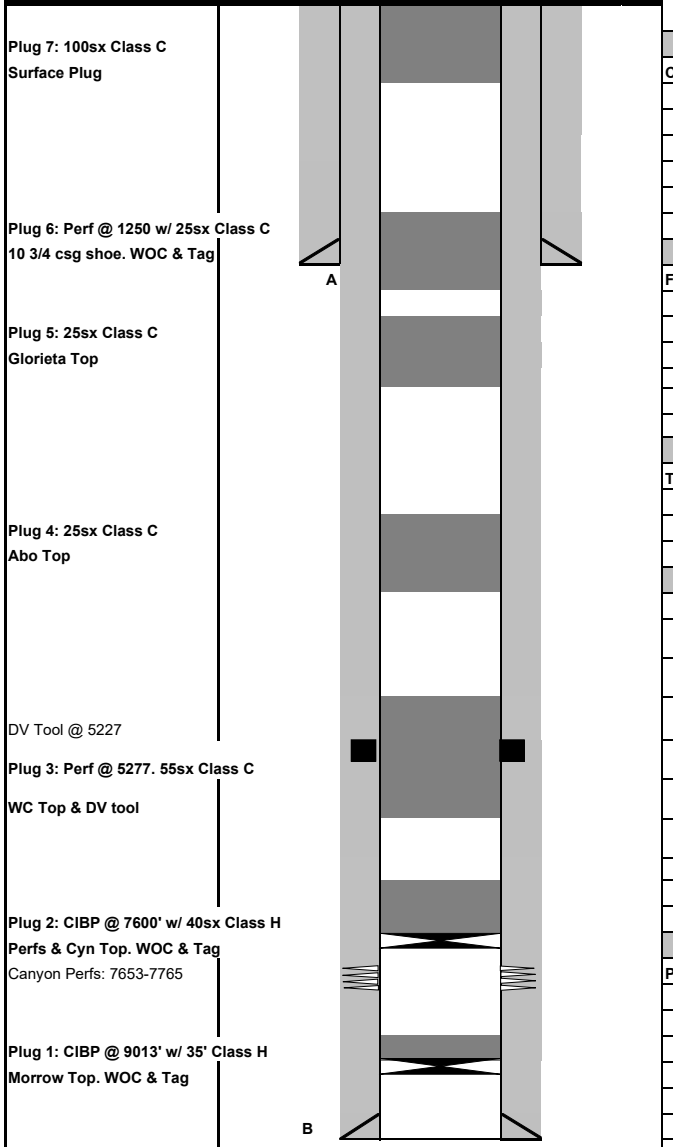
TUBING/Rod DETAIL

Perforation Detail

Formation	Top	Bottom	Treatment
Canyon	7,653	7,765	

Prepared by: JDE 2/1/22

Ocotillo ACI Fed 1 - Proposed



TD: 9,709 MD

Sec-TWN-RNG:	**10-20S-24E**	**API:**	**30-015-26632**
FOOTAGES:	**660' FNL & 660' FEL**	**GL:**	**3813**
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FORMATION TOPS

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TUBING/Rod DETAIL

#	sx	Class	Top	Bottom	Δ	Notes	Tag
1	9	H	8978	9013	35	CIBP @ 9013' w/ 35' Class H dump bailed. Morrow Top. WOC & Tag	Y
2	40	H	7450	7600	150	CIBP @ 7600' w/ Spot 40sx Class H. Open perfs & Canyon top. WOC & Tag Leak Test CIBP	Y
3	55	C	5124	5400	250	Perf @ 5277. Atmpt inj. Drop down & spot 55sx Class C. WC Top & DV tool.	Y
4	25	C	4125	4270	120	Spot 25sx Class C. Abo Top	N
5	25	C	1864	1990	120	Spot 25sx Class C. Glorieta Top	N
6	25	C	1130	1250	120	Perf @ 1250. Attempt inj. Spot 25sx Class C. 10 3/4 csg shoe. WOC & Tag	Y
7	100	C	0	485	485	100 sx Class C Surface Plug	N
	Spot from 3380' to 3246'. 30 sx		Bone Springs at 3330'				

Perforation Detail

Formation	Top	Bottom	Treatment
Canyon	7,653	7,765	

Prepared by: JDE 2/1/22

Sundry ID **2660612**

Plug Type	Top	Bottom	Length	Tag	Sacks	Notes
Surface Plug	0.00	485.00	485.00	Tag/Verify	100.00	Spot from 485' to surface. Verify at Surface.
Shoe Plug	1133.05	1245.00	111.95	Tag/Verify	25.00	Spot from 1250' to 1130'.
Glorieta @ 1934	1864.66	1984.00	119.34	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	Spot from 1990' to 1864'.
Bonesprings @ 3330	3246.70	3380.00	133.30	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	30.00	Spot from 3380' to 3246'.

ABO in Plateform Shelf @ 4218	4125.82	4268.00	142.18	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	Spot from 4270' to 4125'.
DV tool plug	5124.73	5277.00	152.27	Tag/Verify		

Wolfcamp @ 5346	5242.54	5396.00	153.46	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	55.00	Perf at 5277'. Spot from 5400' to 5124'. WOC and Tag.
CIBP Plug	7565.00	7600.00	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	40.00	Set CIBP at 7600'. Spot from 7600' to 7450'. Leak Test CIBP, otherwise WOC and Tag.

Perforations Plug (If No CIBP)	7603.00	7815.00	212.00	Tag/Verify		
Morrow @ 9063	8922.37	9113.00	190.63	If solid base no		
CIBP Plug	8978.00	9013.00	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	9.00	Set CIBP at 9013'. Spot 35' dump bailer.WOC and Tag.
Shoe Plug	9285.70	9480.00	194.30	Tag/Verify		Not necessary

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, Medium, Secretary : Top of salt to surface If no salt take the deepest fresh water.
R111P: 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	High	Top of Salt to surface

Shoe @	1195.00		
Shoe @	9430.00	TOC @	5227.00
Perforatons Top @	7653.00	Perforations Bottom @	7765.00
DV Tool @	5227.00	CIBP @	7600.00
		CIBP @	9013.00

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.

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).

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

TAKE PRIDE IN AMERICA

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 and all contaminants, scrap/trash, equipment, pipelines and powerlines. Strip and remove caliche, contour the location to blend with the surrounding landscape, re-distribute the native soils, provide erosion control as needed, rip 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
575-234-5909 (Office), 575-361-2648 (Cell)

Arthur Arias
Environmental Protection Specialist
575-234-6230

Crisha Morgan
Environmental Protection Specialist
575-234-5987

Kelsey Wade
Environmental Protection Specialist
575-234-2220

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 93298

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 93298
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	3/31/2022