

Well Name: LLITTLE BOX CANYON AOX FEDERAL	Well Location: T21S / R22E / SEC 7 / SESW /	County or Parish/State: EDDY / NM
Well Number: 1	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM12241A	Unit or CA Name:	Unit or CA Number:
US Well Number: 300152474700S1	Well Status: Gas Well Shut In	Operator: EOG RESOURCES INCORPORATED

Accepted for record – NMOCD gc 5/19/2021

Notice of Intent

Type of Submission: Notice of Intent	Type of Action Plug and Abandonment
Date Sundry Submitted: 05/12/2021	Time Sundry Submitted: 03:42
Date proposed operation will begin: 05/24/2021	
Procedure Description: Please see attached. Thank you.	

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Little_Box_Canyon_AOB_Federal_1_5_12_21_20210512154208.pdf

Conditions of Approval

Specialist Review

Little_Box_Canyon_AOX_Federal_1_Sundry_ID_2387004_P_A_20210516111916.pdf

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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: MAY 12, 2021 03:42 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 Phone: 5752345972
Disposition: Approved
Signature: Long Vo
BLM POC Title: Petroleum Engineer
BLM POC Email Address: lvo@blm.gov
Disposition Date: 05/16/2021

High Cave

API: 30 - 015 - 24747

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. Spot a 25 sx Class H cement plug from 8360 ft – 8134 ft. WOC and tag. This will cover Atoka perms and top and also filling cement remnant zone.
3. Set a CIBP at 7896 ft with ~~4~~³⁵ sx Class H cement on top to ~~7861~~^{7808'} ft. This will cover Morrow perms. *Leak test CSBP WOC & TAG*
4. Spot a 25 sx Class H cement plug from 7809 ft – 7583 ft. This will cover Atoka top.
5. Spot a 25 sx Class C cement plug from 7583 ft – 7332 ft. This will cover L Strawn top.
6. Spot a 25 sx Class C cement plug from 7230 ft – 6978 ft. This will cover Strawn top.
7. Perforate at 6782 ft. Spot a 33 sx Class C cement plug from 6782 ft – 6616 ft. WOC and tag. This will cover TOC.
8. Perforate at 6245 ft. Spot a 48 sx Class C cement plug from 6245 ft – 6083 ft. WOC and tag. This will cover B Upper Bank top.
9. Perforate at 5886 ft. Spot a 53 sx Class C cement plug from 5886 ft – 5706 ft. WOC and tag. This will cover T Upper Bank and Cisco top.
10. Perforate at 4725 ft. Spot a ~~43~~^{4555'} sx Class C cement plug from 4725 ft – ~~4579~~^{4555'} ft. WOC and tag. This *(In/out)* will cover Wolfcamp top. *4555'*
11. Perforate at 3481 ft. Spot a ~~39~~^{3429'} sx Class C cement plug from 3481 ft – ~~3347~~^{3429'} ft. WOC and tag. This *(In/out)* will cover Abo top. *3429'*
12. Perforate at 2895 ft. Spot a 38 sx Class C cement plug from 2895 ft – 2767 ft. WOC and tag. This will cover Tubb top.
13. Perforate at 1859 ft. Spot a ~~35~~^{405x} sx Class C cement plug from 1859 ft – 1741 ft. WOC and tag. This will cover Intermediate casing shoe.
14. Perforate at 418 ft. Spot a ~~31~~^{1305x} sx Class C cement plug from 418 ft – 314 ft. WOC and tag. This will cover Surface casing shoe. *1305x Verify @ surface*
15. ~~Perforate at 100 ft. Spot a 30 sx Class C cement plug from 100 ft up to surface. WOC and tag. Back fill as needed.~~ *surface (In/out) (In/out)*
16. Cut off wellhead and install dry hole marker. Clean location as per regulated.

Wellbore schematics attached

Little Box Canyon AOX Federal #1

14th Plug

13th Plug

12th Plug

11th Plug

10th Plug

9th Plug

Hole in Casing: 5045' - 5493'

8th Plug

7th Plug

6th Plug

TOC ~ 6659' by 0% Excess Calc.
Set & Circulation Perfs @ 6600'

5th Plug

4th Plug

3rd Plug

2nd Plug

Existing Morrow Perfs: 7946' - 7962'

Existing Morrow Perfs: 8069' - 8131'

1st Plug

Existing CIBP Parts at 8300'

PBD: 8,300 MD

TD: 8,450 MD

Sec-TWN-RNG: Sec. 7-21S-22E
FOOTAGES: 800'FSL & 1600'FWL

API: 30-015-24747

GL: 4429

KB:

CASING DETAIL

#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	17 1/2	13 3/8	54.5	J-55	0	365	525	Circ	
B	12 1/4	9 5/8	36	K-55	0	1,800	1375	Circ	
C	8 3/4	5 1/2	17	J-55	0	8,450	375	6699	Yld. 1.18 Excess Calc.

FORMATION TOPS

Formation	Top	Formation	Top	Formation	Top
Tubb	2831	B Upper Bank	6164	L Morrow	8044
Abo	3414	Strawn	7104	Austin	8224
Wolfcamp	4652	L Strawn	7458	Chester	8310
Cisco	5758	Atoka	7696	Mississippian	8404
T Upper Bank	5836	Morrow	7938		

TUBING DETAIL

#	Joints	Description	Length	OD	ID	Grade	Wt (lb/ft)	Top (ftKB)	Btm (ftKB)
		2-7/8" Tubing and packer						7,895	

PLUGS

#	SX	Class	Top	Bottom	Δ	Notes	Tag
1	25	H	8134	8360	226	Chester & Austin Tops	Y
2	25	H	7961	7896	35	Morrow Perfs lenk top 7960	Y
3	25	H	7583	7809	226	Atoka Top	N
4	25	C	7332	7593	251	L Strawn Top [Adjacent to 3rd plug but Class C]	N
5	25	C	6878	7230	252	Strawn Top	N
6	33	C	6816	6782	166	TOC	Y
7	48	C	6083	6245	162	B Upper Bank Top	Y
8	53	C	5706	5886	180	T Upper Bank & Cisco Top	Y
9	33	C	4879	4725	146	Wolfcamp Top (2nd out)	Y
10	36	C	3947	3481	134	Abo Top (5th out)	Y
11	38	C	2767	2895	128	Tubb Top	Y
12	36	C	1741	1859	118	Int. Csg. Shoe (2nd out)	Y
13	31	C	844 0	418	104	Sur. Csg. Shoe (5th out) Vent 4e	Y
14	39	C	0	100	100	Surface Plug surface	Y

PERFORATION DETAIL

Formation	Top	Bottom
Morrow	7,946	8,131

ADDITIONAL DETAIL

10.3.99 - CIBP originally set at 8046' milled to top slips and pushed to 8300' [Must be pushed to 8360' in order to set first plug]

Prepared by: KJP

Little Box Canyon AOX Federal #1 Current

Sec-TWN-RNG: Sec. 7-21S-22E API: 30-015-24747
 FOOTAGES: 800'FSL & 1600'FWL GL: 4429
 KB:

CASING DETAIL

#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cnt	Circ/TOC	TOC Method
A	17 1/2	13 3/8	54.5	J-55	0	366	525	Circ	
B	12 1/4	9 5/8	36	K-55	0	1,800	1375	Circ	
C	8 3/4	5 1/2	17	J-55	0	8,450	375	6699	Yld. 1.18 0% Excess Calc.

FORMATION TOPS

Formation	Top	Formation	Top
Tubb	2831	Austin	8224
Abo	3414	Chester	8310
Wolfcamp	4652	Mississippian	8404
Cisco	5756		
T Upper Bank	5836		
B Upper Bank	6164		
Strawn	7104		
L Strawn	7458		
Alboka	7696		
Morrow	7938		
L Morrow	8044		

#	Joints	Description	Length	OD	ID	Grade	Wt (lb/ft)	Top (ftKB)	Btm (ftKB)
		2-7/8" Tubing and packer						7,695	

Cemented bad casing 5045-5493 w/800 sx Class C cement (10/99)
 Perforate at 6800 sqz w/260 sx Class C cement
 Composite plug at 8040

Perforation Detail

Formation	Top	Bottom	Treatment
A Morrow	8,069	8,131	
B Morrow	7,946	7,962	Acidized w/1000g 7-1/2% Morrow acid and 50 balls

Prepared by: TH

PBTD: 8,300 MD
 TD: 8,450 MD

Perf B

Perf A

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 575-393-3612.

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.**

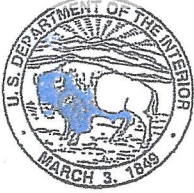
Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

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



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 (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 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

Melissa Horn
Environmental Protection Specialist
575-234-5951

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 28874

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 28874
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	5/24/2021