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

Sundry Print Report

Well Name: LONG ARROYO WH Well Location: T14S / R27E / SEC 11 / County or Parish/State:

FEDERAL SESE /

CHAVES / NM

Well Number: 2 Type of Well: CONVENTIONAL GAS

WELL

Allottee or Tribe Name:

Lease Number: NMNM18612 Unit or CA Name: Unit or CA Number:

US Well Number: 300056338600S1 **Well Status:** Producing Gas Well **Operator:** EOG RESOURCES

INCORPORATED

Accepted for record – NMOCD gc 7/20/2021

Notice of Intent

Type of Submission: Notice of Intent

Type of Action Plug and Abandonment

Date Sundry Submitted: 07/12/2021 Time Sundry Submitted: 03:46

Date proposed operation will begin: 08/06/2021

Procedure Description: Please see attached. Thank you.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Long_Arroyo_WH_Federal_2_7_12_21_20210712154624.pdf

Conditions of Approval

Specialist Review

Conditions_of_Approval_20210719141934.pdf

General_Conditions_of_Approval_20210719141933.pdf

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FEDERAL

Well Number: 2

Well Location: T14S / R27E / SEC 11 /

SESE /

County or Parish/State: CHAVES / NM

Type of Well: CONVENTIONAL GAS

WELL

Allottee or Tribe Name:

Page 2 o

Lease Number: NMNM18612

Unit or CA Name:

Unit or CA Number:

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INCORPORATED

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: JUL 12, 2021 03:46 PM

Name: EOG RESOURCES INCORPORATED

Title: Regulatory Specialist

Street Address: 104 SOUTH FOURTH STREET

State: NM City: Artesia

Phone: (575) 748-4168

Email address: tina_huerta@eogresources.com

Field Representative

Representative Name:

Street Address:

State: City: Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: JENNIFER SANCHEZ BLM POC Title: Petroleum Engineer

BLM POC Phone: 5756270237 BLM POC Email Address: j1sanchez@blm.gov

Disposition Date: 07/19/2021 **Disposition:** Approved

Signature: Jennifer Sanchez

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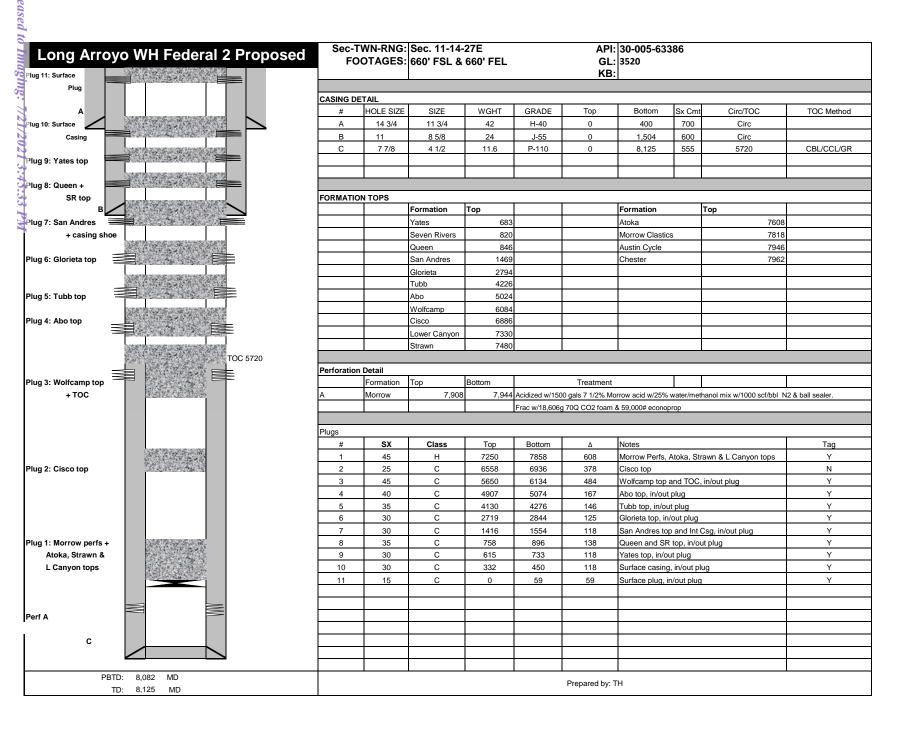
EOG Resources, Inc. plans to plug and abandon this well as follows:

- 1. MIRU all safety equipment as needed. NU BOP. POOH with production equipment.
- 2. Set a CIBP at 7858 ft with 45 sx Class H cement on top to 7250 ft. WOC and tag. This will cover Morrow, Atoka, Strawn and L Canyon tops.
- 3. Spot a 25 sx Class C cement plug from 6936 ft 6558 ft. This will cover Cisco top.
- 4. Perforate at 6134 ft. Spot a 45 sx Class C cement plug from 6134 ft 5650 ft. WOC and tag. This will cover Wolfcamp top and TOC, in/out plug.
- 5. Perforate at 5074 ft. Spot a 40 sx Class C cement plug from 5074 ft 4907 ft. WOC and tag. This will cover Abo top, in/out plug.
- 6. Perforate at 4276 ft . Spot a 35 sx Class C cement plug from 4276 ft 4130 ft. WOC and tag. This will cover Tubb top, in/out plug.
- 7. Perforate at 2844 ft. Spot a 30 sx Class C cement plug from 2844 ft 2719 ft. WOC and tag. This will cover Glorieta top, in/out plug.
- 8. Perforate at 1554 ft. Spot a 30 sx Class C cement plug from 1554 ft 1416 ft. WOC and tag. This will cover San Andres top and intermediate casing, in/out plug.
- 9. Perforate at 896 ft. Spot a 35 sx Class C cement plug from 896 ft 758 ft. WOC and tag. This will cover Queen and Seven Rivers top, in/out plug.
- 10. Perforate at 733 ft. Spot a 30 sx Class C cement plug from 733 ft 615 ft. WOC and tag. This will cover Yates top, in/out plug.
- 11. Perforate at 450 ft. Spot a 30 sx Class C cement plug from 450 ft 332 ft. WOC and tag. This will cover surface casing shoe, in/out plug.
- 12. Perforate at 59 ft. Spot a 15 sx Class C cement plug from 59 ft up to surface. WOC and tag. Back fill as needed.
- 13. Cut off wellhead and install dry hole marker. Clean location as per regulated.

Wellbore schematics attached

Long Arroyo WH Fed	leral 2 Current	Sec-	TWN-RNG: DOTAGES:	Sec. 11-14-27E 660' FSL & 660	E O' FEL		API: GL: KB:	30-005 3520	-63386		
		CASING	DETAIL								
A			HOLE SIZE	SIZE	WGHT	GRADE	Тор	Bottom	Sx Cmt	Circ/TOC	TOC Method
		# A	14 3/4	11 3/4	42	H-40	0	400	700	Circ	TOC Method
		А	14 3/4	11 3/4	72	11-40	- 0	700	700	Olic	
		В	11	8 5/8	24	J-55	0	1,504	600	Circ	
		С	7 7/8	4 1/2	11.6	P-110	0	8,125	555	5720	CBL/CCL/GR
В		FORMA	TION TOPS								
				Formation	Тор			Formatio	n	Тор	
				Yates	683			Atoka		7608	
				Seven Rivers	820			Morrow C		7818	
				Queen	846			Austin Cy	rcle	7946	
				San Andres	1469			Chester		7962	
				Glorieta	2794						
				Tubb	4226						
				Abo	5024						
				Wolfcamp	6084						
				Cisco	6886						
				Lower Canyon	7330						
				Strawn	7480						
		TUBING	DETAIL								
		#	Joints	Description	Length	OD	ID	Grade	Wt (lb/ft):	Top (ftKB):	Btm (ftKB):
		π	301113	2 3/8" Tubing	Longar	OD	טו	Glade	VVI (ID/III).	TOP (TEXE):	7,839
				Packer							7,850
				1 dokor							7,000
		Perfora	tion Detail								
			Formation	Тор	Bottom	Tr	reatmer	nt			
		Α	Morrow	7,908	7,944	Acidized w/1	1500 gal	s 7 1/2% N	lorrow acid v	v/25% water/methanol	mix w/1000 scf
						per bbl N2 8	& ball se	aler. Frac's	w/18606g 7	0Q CO2 foam & 59000	# econoprop
Perf A					ļ						
,											
c											
PBTD: 8,0						Prepared b	y: NF				
TD: 8,1	25 MD						-				

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Long Arroyo WH Federal 2 30-005-63386 EOG Resources Incorporated July 19, 2021 Conditions of Approval

- 1. Operator shall place CIBP at 7,858' (50'-100' above topmost perf) and places 25 sx of Class H cement on top as proposed. WOC and TAG.
- 2. Operator shall place a balanced Class C cement plug from 6,936'-6,558' as proposed.
- 3. Operator shall perf and squeeze at 6,134'. Operator shall place a balanced Class C cement plug from 6,134'-5,650' as proposed to seal the top of the Wolfcamp. WOC and TAG.
- 4. Operator shall perf and squeeze at 5,074'. Operator shall place a balanced Class C cement plug from 5,074'-4,907' as proposed to seal the top of the Abo. WOC and TAG.
- 5. Operator shall perf and squeeze at 4,276'. Operator shall place a balanced Class C cement plug from 4,276'-4,130' as proposed. WOC and TAG.
- 6. Operator shall perf and squeeze at 2,844'. Operator shall place a balanced Class C cement plug from 2,844'-2,719' as proposed to seal the top of the Glorieta. WOC and TAG.
- 7. Operator shall perf and squeeze at 1,554'. Operator shall place a balanced Class C cement plug from 1,554'-1,454' to seal the 8-5/8'' casing shoe. WOC and TAG.
- 8. Operator shall perf and squeeze at 896'. Operator shall place a balanced Class C cement plug from 896'-758' as proposed. WOC and TAG.
- 9. Operator shall perf and squeeze at 733'. Operator shall place a balanced Class C cement plug from 733'-615' as proposed. WOC and TAG.
- 10. Operator shall perf and squeeze at 450'. Operator shall place a balanced Class C cement plug from 450'-350' to seal the 11-3/4'' casing shoe and the Yates formation. WOC and TAG.

- 11. Operator shall perf and squeeze at 100'. Operator shall place a balanced Class C cement plug from 100'- surface as proposed.
- 12. See Attached for general plugging stipulations.

JAM 07192021

BUREAU OF LAND MANAGEMENT Roswell Field Office 2909 W. Second Street Roswell, New Mexico 88201 575-627-0272

General Requirements for Plug Backs

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 <u>ninety (90)</u> days from this approval.

If you are unable to plug back 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 back. Failure to do so will result in enforcement action.

- 2. <u>Notification:</u> Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. Call 575-627-0205.
- 3. <u>Blowout Preventers</u>: 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. <u>Mud Requirement:</u> 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. <u>Cement Requirement</u>: 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. **Before pumping 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. <u>Subsequent Plug back Reporting:</u> Within 30 days after plug back work is completed, file one original and three copies of the Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back 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. <u>Show date work was completed.</u>
- 7. <u>Trash:</u> 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.

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

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 36994

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	36994
	Action Type:
	[C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date				
gcordero	None	7/20/2021				