U.S. Department of the Interior UREAU OF LAND MANAGEMENT		Sundry Print Repo
Well Name: LONG ARROYO WH FEDERAL	Well Location: T14S / R27E / SEC 11 / SESE /	County or Parish/State: 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

Type of Action Plug and Abandonment

Time Sundry Submitted: 03:46

Notice of Intent

A EMCC

Type of Submission: Notice of Intent

Date Sundry Submitted: 07/12/2021

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

Received by OCD: 10/5/2021 12:55:59 PM Well Name: LONG ARROYO WH FEDERAL	Well Location: T14S / R27E / SEC 11 / SESE /	County or Parish/State: Page 2 of 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

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 Signatu	re: TINA HUERTA
Name: EOG RESOURCES IN	CORPORATED
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: Phone: Email address:

BLM Point of Contact

BLM POC Name: JENNIFER SANCHEZ BLM POC Phone: 5756270237 Disposition: Approved Signature: Jennifer Sanchez BLM POC Title: Petroleum Engineer BLM POC Email Address: j1sanchez@blm.gov

Zip:

Signed on: JUL 12, 2021 03:46 PM

Disposition Date: 07/19/2021

Released to Imaging: 10/7/2021 7:29:58 AM

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

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Long Arr	ονο WH	Federal 2	Current			Sec. 11-14-27			API:	30-005	-63386		
	oyo mii		oarroine	F	OOTAGES:	660' FSL & 660	0' FEL			3520			
									KB:	I			
					G DETAIL	1	1			т <u> </u>		1	
	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	
				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
										1			
	в			FORM	ATION TOPS								
		1				Formation	Тор			Formatio	on	Тор	
						Yates	683			Atoka		7608	
						Seven Rivers	820			Morrow C		7818	
						Queen	846			Austin Cy		7946	
						San Andres	1469			Chester		7962	
						Glorieta	2794						
						Tubb	4226						
						Abo	5024						
						Wolfcamp	6084						
						Cisco	6886						
						Lower Canyon	7330						
						Strawn	7480						
					G DETAIL								
				#	Joints	Description	Length	OD	ID	Grade	Wt (lb/ft):	Top (ftKB):	Btm (ftKB):
						2 3/8" Tubing	-						7,839
						Packer	-						7,850
					<u> </u>		•					n	
				Perfor	ation Detail								
					Formation	Тор	Bottom	Т	reatmer	nt			
				А	Morrow	7,908					Iorrow acid v	w/25% water/methanol	mix w/1000 scf
			×			.,000						0Q CO2 foam & 59000	
Perf A			MM										• •
•													
	с												
	PBTD	: 8,082 MD						Propared k					
	TD	: 8,125 MD						Prepared b	Jy. INF				
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Long Arroyo WH Federal 2 Propos			Sec. 11-14- 660' FSL &				30-005-633 3520	;86		
Plug										
A	CASING DE	HOLE SIZE	SIZE	WGHT	GRADE	Тор	Bottom	Sx Cmt	Circ/TOC	TOC Metho
10: Surface	# A	14 3/4	11 3/4	42	H-40	0	400	700	Circ	TOC Metho
Casing	В	11	8 5/8	24	J-55	0	1,504	600	Circ	
	C	7 7/8	4 1/2	11.6	P-110	0	8,125	555	5720	CBL/CCL/
9: Yates top								\square		
8: Queen +	FORMATIO	N TOPS								
SR top	FORMATIO	1073	Formation	Тор		[Formation		Тор	
7: San Andres			Yates	683			Atoka	-+	7608	
+ casing shoe			Seven Rivers	820		1	Morrow Clastics	s	7818	
			Queen	846			Austin Cycle		7946	
6: Glorieta top			San Andres	1469		Í	Chester		7962	
			Glorieta	2794						
			Tubb	4226						
5: Tubb top			Abo	5024						
and the second			Wolfcamp	6084		ļ				
4: Abo top			Cisco	6886		ļ	Ļ			
			Lower Canyon	7330		ļ!				
			Strawn	7480		i				
TOC 5720										
3. Walfaama taa	Perforation		Top	Bottom		Treatment		 ;		
3: Wolfcamp top + TOC	٨	Formation Morrow	Top 7,908		Acidized w/1E0		rrow ooid w/2E%	wotor/mot	hanol mix w/1000 scf/bbl N2	
	~	WOITOW	7,500			g 70Q CO2 foam 8				a ball sealer.
					1100 10,0000	1100 002 1001110	100,000# CCONOP			
	Plugs									
	#	SX	Class	Тор	Bottom	Δ	Notes			Tag
	1	45	Н	7250	7858	608	Morrow Perfs, J	Atoka, Str	rawn & L Canyon tops	Ŷ
2: Cisco top	2	25	С	6558	6936	378	Cisco top			Ν
	3	45	С	5650	6134	484	Wolfcamp top a	and TOC,	in/out plug	Y
	4	40	С	4907	5074	167	Abo top, in/out	plug		Y
	5	35	С	4130	4276	146	Tubb top, in/out			Y
	6	30	С	2719	2844	125	Glorieta top, in/			Y
	7	30	C	1416	1554	118			Csg, in/out plug	Y
1: Morrow perfs +	8	35	C C	758	896	138	Queen and SR		ut piug	Y
Atoka, Strawn &	9	30 30	C C	615 332	733 450	118	Yates top, in/ou			Y Y
L Canyon tops	10 11	30 15	c	0	450 59	118 59	Surface casing Surface plug, in			Y
		+	+			<u> </u>	<u> </u>			
A 8 8										
			1				I			

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. <u>WOC and TAG.</u>
- 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. <u>WOC and TAG.</u>
- 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. <u>WOC and TAG.</u>
- 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. <u>WOC and TAG.</u>
- 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. <u>WOC and TAG.</u>
- 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. <u>WOC and TAG.</u>
- 8. Operator shall perf and squeeze at 896'. Operator shall place a balanced Class C cement plug from 896'-758' as proposed. <u>WOC and TAG.</u>
- 9. Operator shall perf and squeeze at 733'. Operator shall place a balanced Class C cement plug from 733'-615' as proposed. <u>WOC and TAG.</u>
- 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. <u>WOC and TAG.</u>

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- 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.

ceived by UCD: 50/5/2021 12:55:59 PM U.S. Department of the Interior BUREAU OF LAND MANAGEMENT		Sundry Print Repor
Well Name: LONG ARROYO WH FEDERAL	Well Location: T14S / R27E / SEC 11 / SESE /	County or Parish/State: 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
- A	ccepted for record – NMOCD gc 10/6/2021	

Notice of Intent

Sundry ID: 2637127

Type of Submission: Notice of Intent

Date Sundry Submitted: 10/04/2021

Date proposed operation will begin: 10/14/2021

Type of Action: Plug and Abandonment Time Sundry Submitted: 10:56

Procedure Description: EOG Resources, Inc. requests a 90 day extension for the NOI to P&A that was submitted 7/12/21, approved 7/19/21 and expires on 10/19/21. This is due to the number of wells that we are plugging and the schedule has slid back and we may not be able to meet the plug date of 10/19/21. We plan to begin plugging this well on 10/14/21. Thank you.

Surface Disturbance

Is any additional surface disturbance proposed?: No

Received by OCD: 10/5/2021 12:55:59 PM Well Name: LONG ARROYO WH FEDERAL	Well Location: T14S / R27E / SEC 11 / SESE /	County or Parish/State: Page 10 of 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

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 Signatu	re: TINA HUERTA
Name: EOG RESOURCES IN	CORPORATED
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: Phone: Email address:

BLM Point of Contact

BLM POC Name: JENNIFER SANCHEZ BLM POC Phone: 5756270237 Disposition: Approved Signature: Jennifer Sanchez

Signed on: OCT 04, 2021 10:56 AM

BLM POC Title: Petroleum Engineer BLM POC Email Address: j1sanchez@blm.gov Disposition Date: 10/04/2021

Zip:

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

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	54176
	Action Type:
	[C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
gcordero	None	10/6/2021

CONDITIONS

Page 11 of 11

Action 54176