

**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:** Abandoned

**Operator:** EOG RESOURCES  
INCORPORATED

Accepted for record – NMOCD gc 11/19/2021

**Subsequent Report**

**Sundry ID:** 2644584

**Type of Submission:** Subsequent Report

**Type of Action:** Plug and Abandonment

**Date Sundry Submitted:** 11/16/2021

**Time Sundry Submitted:** 03:47

**Date Operation Actually Began:** 10/25/2021

**Actual Procedure:** Please see attached subsequent P&A. Thank you.

**SR Attachments**

**Actual Procedure**

Long\_Arroyo\_WH\_Federal\_2\_11\_16\_21\_20211116154711.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:** NOV 16, 2021 03:47 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:** JENNIFER SANCHEZ

**BLM POC Title:** Petroleum Engineer

**BLM POC Phone:** 5756270237

**BLM POC Email Address:** j1sanchez@blm.gov

**Disposition:** Accepted

**Disposition Date:** 11/17/2021

**Signature:** Jennifer Sanchez

**Long Arroyo WH Federal 2 – Sub P&A  
30-005-63386  
P-11-14S-27E**

10/25/21 - MIRU and NU BOP. Pumped 30 bbls fluid down casing, working tubing to free packer. Worked tubing for 4 hrs with no movement. Called BLM and received approval to cut tubing and set CIBP on top of cut. RIH and cut tubing at 7825'.

10/26/21 – RIH with GR/JB and tagged up at 7825'. Set a CIBP at 7825', tagged. Pumped 47 sx Class H cement on top of CIBP to 7254' estimated TOC.

10/27/21 – Tagged TOC 7225'. Tested casing to 500 psi, good. Spotted a 25 sx Class C cement plug from 6936'-6558'. Perforated at 6134'. Attempted to break circulation with no success. Spoke with BLM and will drop to 6194' and pump 40 sx Class C cement to cover Wolfcamp top and TOC. Pumped a 40 sx Class C cement plug from 6194'-5589' estimated TOC.

10/28/21 – Tagged TOC 5680'. Spoke with BLM and continue plugging. Perforate at 5074'. Established injection rate. Pumped a 40 sx Class C cement plug from 5074'-4882', tagged. Perforated at 4276'. Established injection rate. Pumped a 35 sx Class C cement plug from 4276'-4130' estimated TOC.

10/29/21 – Tagged TOC 4080'. Perforated at 2844'. Established injection rate. Pumped a 30 sx Class C cement plug from 2844'-2730', tagged. Spoke with BLM and continue plugging. Perforated at 1554'. Established injection rate. Pumped a 25 sx Class C in/out cement plug from 1554'-1454' estimated TOC.

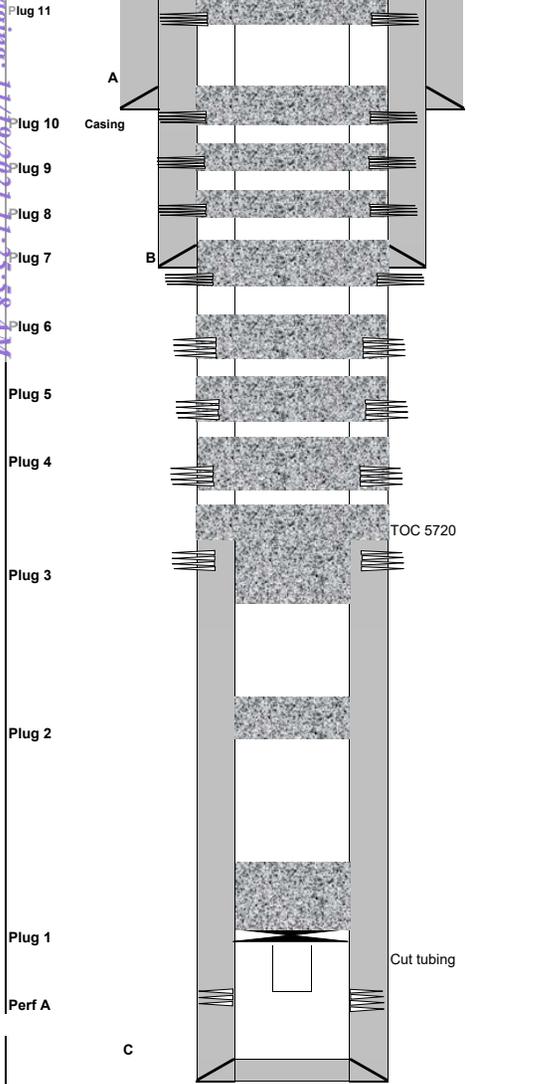
11/1/21 – Tagged TOC 1410'. 44' high, spoke with BLM and good with the tag. Perforated at 896'. Pumped a 35 sx Class C in/out cement plug from 896'-755', tagged. Perforated at 733'. Established injection rate. Pumped a 30 sx Class C cement plug from 733'-605', tagged.

11/2/21 – Perforated at 450'. Established injection rate. Pumped a 30 sx Class C in/out cement plug from 450'-342', tagged. Perforated at 100'. Pumped 40 sx Class C cement from 100' and circulated up to surface. Topped off with cement.

11/3/21 - Cut off wellhead. Installed dry hole marker as per BLM. Cover cellar and cut off anchors. **WELL IS PLUGGED AND ABANDONED.**

# Long Arroyo WH Federal 2

Sec-TWN-RNG: Sec. 11-14-27E API: 30-005-63386  
 FOOTAGES: 660' FSL & 660' FEL GL: 3520  
 KB:



CASING DETAIL									
#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	14 3/4	11 3/4	42	H-40	0	400	700	Circ	
B	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/GR

FORMATION TOPS					
	Formation	Top		Formation	Top
	Yates	683		Atoka	7608
	Seven Rivers	820		Morrow Clastics	7818
	Queen	846		Austin Cycle	7946
	San Andres	1469		Chester	7962
	Glorieta	2794			
	Tubb	4226			
	Abo	5024			
	Wolfcamp	6084			
	Cisco	6886			
	Lower Canyon	7330			
	Strawn	7480			

Perforation Detail					
	Formation	Top	Bottom	Treatment	
A	Morrow	7,908	7,944	Acidized w/1500 gals 7 1/2% Morrow acid w/25% water/methanol mix w/1000 scf/bbl N2 & ball sealer.	
				Frac w/18,606g 70Q CO2 foam & 59,000# econoprop	

Plugs						
#	SX	Class	Top	Bottom	Tag	Notes
1	47	H	7225	7825	Y	CIBP over tubing cut as per BLM permission
2	25	C	6558	6936	N	
3	40	C	5680	6194	Y	Perforate
4	40	C	4882	5074	Y	Perforate
5	35	C	4080	4276	Y	Perforate
6	30	C	2730	2844	Y	Perforate
7	25	C	1410	1554	Y	Perforate
8	35	C	755	896	Y	Perforate
9	30	C	605	733	Y	Perforate
10	30	C	342	450	Y	Perforate
11	40	C	0	100	N	Perforate

PBTD: 8,082 MD  
 TD: 8,125 MD

11/18/21

**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 62411

**CONDITIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 62411
	Action Type: [C-103] Sub. Plugging (C-103P)

**CONDITIONS**

Created By	Condition	Condition Date
gcordero	None	11/19/2021