

Well Name: BRANNIGAN ANF	Well Location: T22S / R24E / SEC 6 / NESE /	County or Parish/State: EDDY / NM
Well Number: 5	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM81218	Unit or CA Name:	Unit or CA Number:
US Well Number: 300153020700X1	Well Status: Abandoned	Operator: EOG RESOURCES INCORPORATED

Subsequent Report

Type of Submission: Subsequent Report	Type of Action: Plug and Abandonment
Date Sundry Submitted: 07/14/2021	Time Sundry Submitted: 09:16
Date Operation Actually Began: 05/18/2021	
Actual Procedure: Please see attached. Thank you.	

SR Attachments

Actual Procedure

Brannigan\_ANF\_Federal\_5\_7\_14\_21\_20210714091643.pdf

<b>Well Name:</b> BRANNIGAN ANF	<b>Well Location:</b> T22S / R24E / SEC 6 / NESE /	<b>County or Parish/State:</b> EDDY / NM
<b>Well Number:</b> 5	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM81218	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 300153020700X1	<b>Well Status:</b> Abandoned	<b>Operator:</b> 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.

<b>Operator Electronic Signature:</b> TINA HUERTA	<b>Signed on:</b> JUL 14, 2021 09:16 AM
<b>Name:</b> EOG RESOURCES INCORPORATED	
<b>Title:</b> Regulatory Specialist	
<b>Street Address:</b> 104 SOUTH FOURTH STREET	
<b>City:</b> Artesia	<b>State:</b> NM
<b>Phone:</b> (575) 748-4168	
<b>Email address:</b> tina_huerta@eogresources.com	

Field Representative

<b>Representative Name:</b>		
<b>Street Address:</b>		
<b>City:</b>	<b>State:</b>	<b>Zip:</b>
<b>Phone:</b>		
<b>Email address:</b>		

BLM Point of Contact

<b>BLM POC Name:</b> JAMES A AMOS	<b>BLM POC Title:</b> Acting Assistant Field Manager
<b>BLM POC Phone:</b> 5752345927	<b>BLM POC Email Address:</b> jamos@blm.gov
<b>Disposition:</b> Accepted	<b>Disposition Date:</b> 07/19/2021
<b>Signature:</b> James A. Amos	

**Brannigan ANF Federal 5 – Sub P&A**

5/18/21 – 6/14/21 - MIRU and NU BOP. Worked on trying to pull fish out of hole. TOF at 5729 ft. Jeremiah Mullen spoke with Jim Amos BLM-Carlsbad at 2:15 p.m. and was given verbal approval to RIH with packer above fish, pump calculated volume of cement to cover from 7997 ft to 7318 ft, displace enough to clear the packer and then shut the well in overnight. Come back the next day and evaluate the well and notify Jim Amos after evaluation.

6/15/21 – Pressure tested casing from 5609 ft to surface to 500 psi, held good. Pumped 140 bbls down tubing to establish injection rate. Pumped 150 sx Class H cement 7187 ft.

6/16/21 – Pumped 135 sx Class C cement, calc TOC 7191 ft. Job witnessed by David Mervine BLM Carlsbad.

6/17/21 – Loaded backside with 175 bbls water. Pressure tested casing to surface to 500 psi, held good. Cement plug did not seal off open perfs. Hiram Carpio spoke with Jim Amos BLM-Carlsbad at 3:00 p.m., he agreed that we would RIH with cement retainer and pump a plug through it and displace to spot it across perfs and WOC. Sting back into it and see if there is any pressure then pump 25 sx cement above cement retainer. Move up the hole as described in COA's and continue setting plugs.

6/18/21 – Pumped 135 sx Class C cement, calc TOC 7191 ft. Cement plug did not seal off open perfs. Set a cement retainer at 5609 ft. Sting out of retainer and WOC. Notified David Mervine BLM-Carlsbad, approval to continue with cement plug above retainer. Pressure tested casing to 500 psi to surface, held good. Pumped 25 sx Class C cement from 5608 ft - 5459 ft calc TOC.

6/28/21 – Tagged TOC 5413 ft. Pressure tested, held good. Spotted a 25 sx Class C cement plug from 4233 ft – 4084 ft calc TOC, no tag.

6/30/21 – Spotted a 25 sx Class C cement plug from 3313 ft – 3164 ft calc TOC, no tag. Perforated at 2497 ft. Pressure tested, good. David Mervine BLM-Carlsbad approved combing plugs. Spotted a 65 sx Class C cement plug from 2746 ft – 2358 ft calc TOC. Tagged TOC 2352 ft.

7/1/21 – Spotted a 25 sx Class C cement plug from 1110 ft – 961 ft calc TOC, no tag. Perforated at 400 ft. Pressure tested, good. Spotted a 90 sx Class C cement plug from 450 ft and circulated up to surface. Cut off wellhead.

Installed dry hole marker as per BLM. Cover cellar and cut off anchors. **WELL IS PLUGGED AND ABANDONED.**

### Plug 6

**A**

## Plug 5

**B**

## Plug 4

### Plug 3

## Plug 2

## Plug 1

DV Tool @ 7016'

Perf B

Perf A

**C**

PBTD:	8,822	MD
TD:	8,890	MD

Sec-TWN-RNG:	Sec. 6-22S-24E
FOOTAGES:	1367' FSL & 177' FEL

API:	30-015-30207
GL:	4342
KB:	

### CASING DETAIL

[illegible]

## FORMATION TOPS

		<b>Formation</b>	<b>Top</b>			<b>Formation</b>	<b>Top</b>	
		San Andres	1055					
		Glorieta	2674					
		Bone Springs	3248					
		Wolfcamp	7318					
		Canyon	7990					

### Perforation Detail

	Formation	Top	Bottom						
A		8,350	8,403						
B		8,047	8,319						

### ADDITIONAL DETAIL

DV Tool @ 7016'								
-----------------	--	--	--	--	--	--	--	--

## Plugs

[illegible]

**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 37945

**CONDITIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 37945
	Action Type: [C-103] Sub. Plugging (C-103P)

**CONDITIONS**

Created By	Condition	Condition Date
gcordero	None	7/27/2021