

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

Well Name: BRANNIGAN ANF

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Lease Number: NMNM81218

Unit or CA Name:

Unit or CA Number:

US Well Number: 300153020700X1

Well Status: Abandoned

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 Signature: TINA HUERTA

Signed on: JUL 14, 2021 09:16 AM

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: JAMES A AMOS

BLM POC Title: Acting Assistant Field Manager

BLM POC Phone: 5752345927

BLM POC Email Address: jamos@blm.gov

Disposition: Accepted

Disposition Date: 07/19/2021

Signature: 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.

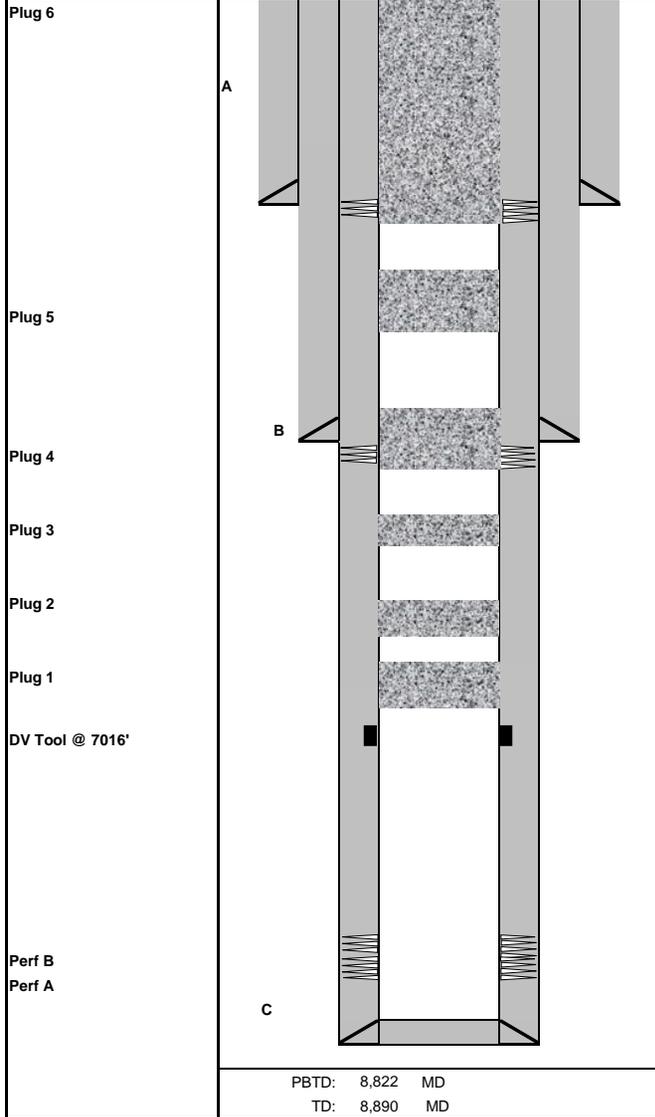
6/30/21 – Spotted a 25 sx Class C cement plug from 3313 ft – 3164 ft calc TOC, no tag. Perforated at 2497 ft. Pressure tested, good. David Mervine BLM-Carlsbad approved combing plugs. Spotted a 65 sx Class C cement plug from 2746 ft – 2358 ft calc TOC. Tagged TOC 2352 ft.

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.**

Brannigan ANF Federal 5

Sec-TWN-RNG: Sec. 6-22S-24E API: 30-015-30207
 FOOTAGES: 1367' FSL & 177' FEL GL: 4342
 KB:



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

CASING DETAIL									
#	HOLE SIZE	SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	17 1/2	13 3/8	48		0	350	850	Circ	
B	12 1/4	9 5/8	36		0	2,547	1450	Circ	
C	8 3/4	7	26 7 23		0	8,890	1100	Circ	

FORMATION TOPS									
	Formation	Top			Formation	Top			
	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									
#	SX	Class	Top	Bottom	Tag	DESCRIPTION			
1	25	C	5413	5608	Y				
2	25	C	4084	4233	N				
3	25	C	3164	3313	N				
4	65	C	2352	2746	Y				
5	25	C	961	1110	N				
6	90	C	0	450	N				

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