

Well Name: AZORES FEDERAL	Well Location: T24S / R32E / SEC 32 / NWNE /	County or Parish/State: LEA / NM
Well Number: 7H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM120908	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002543170	Well Status: Abandoned	Operator: COG PRODUCTION LLC

Subsequent Report

Sundry ID: 2644754

Type of Submission: Subsequent Report

Date Sundry Submitted: 11/17/2021

Date Operation Actually Began: 10/22/2021

Type of Action: Plug and Abandonment

Time Sundry Submitted: 01:28

**Actual Procedure:** 10/22/21 MIRU plugging equipment. Dug out cellar. Let well flow to pit. 10/25/21Pump'd 45 bbls Brine H2O to kill well. Removed well head tree, NU BOP. Worked on freeing tbg. POH w/ 191 jts of 2 7/8" tbg, POH w/ 18 jts of 2 3/8" tbg, & 8 gas lift mandrels. Top of tbg fish @ 6776 +/-'. 10/26/21Tagged top offish @ 6860'. POH. Casing patch @ 6383'. Began RIH w/ 5 1/2" packer. 10/27/21 Set packer @ 6041'. Established an injection rate of 3 bbls/min 0 PSI. Pump'd 100 bbls Brine H2O. Sqz'd 200 sx class C cmt w/ 2% CACL @ 6041' to 8064' +/-'. 10/28/21Well on vacuum. Sqz'd 100 sx class C cmt w/ 2% CACL & 2 bags L'CM & pushed cmt to 6325'. WOC. Well on vacuum. Pump'd 40 bbls Brine H2O, no pressure. Sqz'd 50 sx class C cmt w/ 2% CACL & 1bag LCM. Pressured up to 1500 PSI. Bled down pressure & released packer. Spotted cmt to 5541'. Pump'd 15 bbls Brine H2O & reverse circ'd out of hole. WOC. 10/29/21Tagged plug 4460'. Tag approved by Jim Amos w/ BLM. Pressure tested csg, held 500 PSI. Circ'd well w/ 105 bbls Brine H2O mixed w/ 27 sx MLF. Spotted 25 sx class C cmt @ 4460' & displaced to 4210' w/ 5 sx MLF. WOC. 11/01/21Tagged plug @ 4210'. Spotted 25 sx cmt @ 2795-2545' per Jim Amos' w/ BLM request. Perf'd @ 1143'. Established an injection rate & had circulation in 9 5/8". Sqz'd 70 sx class C cmt @ 1143-805'. WOC. 11/02/21 Pressured up to 500 PSI. Tagged plug @ 780'. Perf'd @ 200'. Established an injection rate & circ'd in 9 5/8. Pressured up on 13 3/8". ND BOP. Sqz'd 70 sx class C cmt w/ 2% CACL 200' & circ'd to surface in 5 1/2" & 9 5/8". Pump'd 10 sx down 13 3/8" to surface. Rigged down & moved off. 11/10/21Moved in backhoe and welder. Cut off well head & anchors. Steven Bailey w/ BLM verified cmt @ surface via picture text message. Welded on "Above Ground Dry Hole Marker". Backfilled cellar, cut off deadmen, cleaned location, and moved off

Accepted for Record Only

SUBJECT TO LIKE APPROVAL BY BLM

X 7

NMOCD 9/15/22

<b>Well Name:</b> AZORES FEDERAL	<b>Well Location:</b> T24S / R32E / SEC 32 / NWNE /	<b>County or Parish/State:</b> LEA / NM
<b>Well Number:</b> 7H	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM120908	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3002543170	<b>Well Status:</b> Abandoned	<b>Operator:</b> COG PRODUCTION LLC

SR Attachments

Actual Procedure

Azores\_Fed\_7H\_Plugging\_Record\_20211117132805.pdf

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:** RUTH SHOCKENCY  
**Signed on:** NOV 17, 2021 01:28 PM  
**Name:** COG PRODUCTION LLC  
**Title:** Regulatory Analyst  
**Street Address:** 600 W. ILLINOIS AVE.  
**City:** MIDLAND **State:** TX  
**Phone:** (575) 703-8321  
**Email address:** RUTH.SHOCKENCY@CONOCOPHILLIPS.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 Phone:** 5752345927  
**Disposition:** Accepted  
**Signature:** James A. Amos  
**BLM POC Title:** Acting Assistant Field Manager  
**BLM POC Email Address:** jamos@blm.gov  
**Disposition Date:** 01/03/2022

# Plug Abandonment Subsequent Report

<b>OPERATOR NAME:</b>	COG Operating, LLC	
<b>LEASE NO.:</b>	NMNM120908	
<b>WELL NAME &amp; NO.:</b>	Azores Federal #7H	
<b>US WELL NUMBER:</b>	30-025-43170	
<b>LOCATION:</b>	Sec 32-T24S-R34E	210' FNL & 2550' FEL
<b>COUNTY:</b>	Lea County, NM	

10/22/21 MIRU plugging equipment. Dug out cellar. Let well flow to pit. 10/25/21 Pump'd 45 bbls Brine H2O to kill well. Removed well head tree, NU BOP. Worked on freeing tbg. POH w/ 191 jts of 2 7/8" tbg, POH w/ 18 jts of 2 3/8" tbg, & 8 gas lift mandrels. Top of tbg fish @ 6776 +/-'. 10/26/21 Tagged top of fish @ 6860'. POH. Casing patch @ 6383'. Began RIH w/ 5 1/2" packer. 10/27/21 Set packer @ 6041'. Established an injection rate of 3 bbls/min @ 0 PSI. Pump'd 100 bbls Brine H2O. Sqz'd 200 sx class C cmt w/ 2% CACL @ 6041' to 8064' +/-'. 10/28/21 Well on vacuum. Sqz'd 100 sx class C cmt w/ 2% CACL & 2 bags LCM & pushed cmt to 6325'. WOC. Well on vacuum. Pump'd 40 bbls Brine H2O, no pressure. Sqz'd 50 sx class C cmt w/ 2% CACL & 1 bag LCM. Pressured up to 1500 PSI. Bled down pressure & released packer. Spotted cmt to 5541'. Pump'd 15 bbls Brine H2O & reverse circ'd out of hole. WOC. 10/29/21 Tagged plug @ 4460'. Tag approved by Jim Amos w/ BLM. Pressure tested csg, held 500 PSI. Circ'd well w/ 105 bbls Brine H2O mixed w/ 27 sx MLF. Spotted 25 sx class C cmt @ 4460' & displaced to 4210' w/ 5 sx MLF. WOC. 11/01/21 Tagged plug @ 4210'. Spotted 25 sx cmt @ 2795-2545' per Jim Amos' w/ BLM request. Perf'd @ 1143'. Established an injection rate & had circulation in 9 5/8". Sqz'd 70 sx class C cmt @ 1143-805'. WOC. 11/02/21 Pressured up to 500 PSI. Tagged plug @ 780'. Perf'd @ 200'. Established an injection rate & circ'd in 9 5/8. Pressured up on 13 3/8". ND BOP. Sqz'd 70 sx class C cmt w/ 2% CACL @ 200' & circ'd to surface in 5 1/2" & 9 5/8". Pump'd 10 sx down 13 3/8" to surface. Rigged down & moved off. 11/10/21 Moved in backhoe and welder. Cut off well head & anchors. Steven Bailey w/ BLM verified cmt @ surface via picture text message. Welded on "Above Ground Dry Hole Marker". Backfilled cellar, cut off deadmen, cleaned location, and moved off.

<b>COG Production LLC</b>	
Author:	Abby-BCM
Well Name	Azores Federal
Field/Zone	WC-025 G06
County	S253206M-Bone
State	Lea
Spud Date	New Mexico
	6/1/2016
	GL:
Well No.	#7H
API #:	30-025-43170
Location	Sec 32, T24S, R32E
	210 FSL & 2550 FEL
	3491

Description	O.D.	Grade	Weight	Depth	Hole	Cmt Sx	TOC
Surface Csg	13 3/8	J55	54.5#	855	17 1/2	700	0
Inter Csg	9 5/8	J55	40#	4,650	12 1/4	1,720	0
Prod Csg	5 1/2	P-110	17#	14,435	8 3/4	2,485	2,870

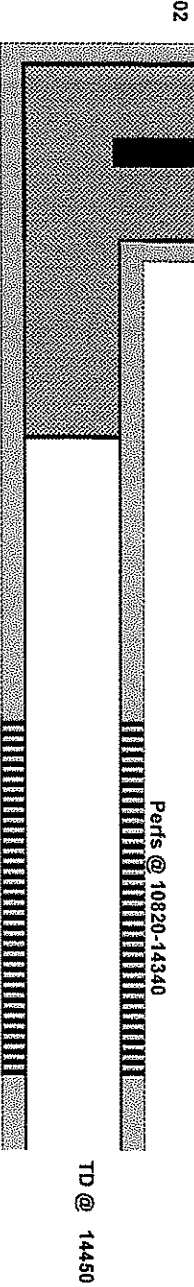
5. Perf'd @ 200'. Established an injection rate & circ'd in 9 5/8. Pressured up on 13 3/8". Sqz'd 70 sx class C cmt w/ 2% CACL @ 200' & circ'd to surface in 5 1/2" & 9 5/8". Pump'd 10 sx down 13 3/8" to surface.	Formation	Top
	Rustler	761
	T/Salt	1093
	B/Salt	4372
	Lamar	4560
	Bell	4625
	Cherry	5533
	Brushy	6946
	Bone Spring	8516

13 3/8 CSG @ 856  
Hole Size: 17 1/2  
4. Perf'd @ 1143'. Established an injection rate & had circulation in 9 5/8". Sqz'd 70 sx class C cmt @ 1143-805'. WOC. Tagged plug @ 780'.

3. Spotted 25 sx cmt @ 2795-2545' per Jim Amos' w/ BLM request.

2. Spotted 25 sx class C cmt @ 4460' & displaced to 4210' w/ 5 sx MLF. WOC & Tagged plug @ 4210'.  
9 5/8" CSG @ 4,650  
Hole Size: 12 1/4

1. Set packer @ 6041'. Established an injection rate of 3 bbls/min @ 0 PSI. Pump'd 100 bbls Brine H2O. Sqz'd 200 sx class C cmt w/ 2% CACL & 3 bags LCM @ 6041' to 9580' +/- . Pressured up on plug to 1500 PSI. Well on vacuum. Sqz'd 100 sx class C cmt w/ 2% CACL & 2 bags LCM & pushed cmt to 6325'. WOC. Well on vacuum. Pump'd 40 bbls Brine H2O, no pressure. Began to Sqz'd 50 sx class C cmt w/ 2% CACL & 1 bag LCM. Pressured up to 1500 PSI. Bled down pressure & released packer. Spotted remaining cmt to 5541'. WOC. Tagged plug @ 4460'. Circ'd well w/ 105 bbls Brine H2O mixed w/ 27 sx MLF.  
Top of tbg fish @ 6776'



DVT @ 6092  
KOP @ 8655  
EOC @ 9392  
EOL @ 14435  
TVD @ 9102



## CURRENT WELL SKETCH

API: 30-025-43170  
 SPUD: 6/1/2016  
 FRR: 6/16/2016  
 RIG: McVey #8

Azores Federal No. 7H  
 Paducah South  
 Lea County

Sec 32 T/B 245 R/Svy 32E  
 SHL: 210' FNL & 2,550' FEL  
 BHL: 72' FNL & 2,272' FWL (est.)  
 Sec 29 T/B 245 R/Svy 32E  
 GL: 3,491'  
 KB: 3,517'  
 ZERO: 26'

HOLE SIZE

MW (ppg)

BHST (F)

Evaluation

Surface Casing @ 855'

13,375' 54.5 ppg J-55 STC  
 Circulated 176 sx cement

Intermediate Casing @ 4,650'

9,625' 40 ppg J-55/L-80 BTC  
 Circulated 0 sx cement

Production Tubing

2,788' 180.6 5H EUE 8-d  
 Set @ 8,659'

KOP @ 8,665'  
 EOC @ 9,392'  
 EOL @ 14,435'

Average TVD in Lateral 9,102'

Production Casing @ 14,435'

5.5" 17 ppg P-110 BTC  
 FC (PETD) 14,390'

ML: 8,686'

DV Tool @ 6,092'

sig 1: 0 sx circulated  
 sig 2: 0 sx circulated

8.75

8.45

150 F (est.)

Mud Logs

12.25"

10.05

No Logs

17.5"

8.4

No Logs

Updated by  
 Date: 8/16/2021

**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**

COMMENTS  
  
Action 91217

COMMENTS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 91217
	Action Type: [C-103] Sub. Plugging (C-103P)

COMMENTS

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM	9/16/2022

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
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**Santa Fe, NM 87505**

CONDITIONS  
  
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Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 91217
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
kfortner	Like approval from BLM	9/15/2022