

Well Name: FEDERAL 9 COM	Well Location: T24S / R34E / SEC 9 / NWNE / 32.237531 / -103.472849	County or Parish/State: LEA / NM
Well Number: 1	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM0554252	Unit or CA Name: 1 FEDERAL 9 COM	Unit or CA Number: NMNM100727
US Well Number: 3002520817	Well Status: Abandoned	Operator: COG OPERATING LLC

Subsequent Report

Sundry ID: 2731074

Type of Submission: Subsequent Report

Date Sundry Submitted: 05/15/2023

Date Operation Actually Began: 03/17/2023

Type of Action: Plug and Abandonment

Time Sundry Submitted: 03:52

Actual Procedure: 03/17/23 MIRU plugging equipment. 03/20/23-03/23/23 RIH w/ workstring. Bled well to pit. Pumped brine H2O to kill well. 03/24/23 POH w/ workstring. 03/25/23 Continued POH w/ tbg. Pump'd 10 bbls Brine H2O down well. RIH w/workstring. 03/28/23 Bled off well. RIH w/ overshot & tbg. NU spool & stripper. RU power swiver. 03/29/23 Bled off well & broke circulation. Pumped 440 bbls brine H2O down csg. Pump'd 120 bbls kill mud down tbg. 03/30/23 Pumped 185 bbls brine H2O & 15 bbls kill mud to kill well. RIH w/ weight bars, tagged packer @ 11,999, Top of 5 1/2 liner @ 12,064', & solid @ 12,112'. ND BOP. 03/31/23 POH w/ tbg. 04/03/23-04/04/23 RU power swivel. milled on csg. 04/05/23 Break off mill. PU 9 5/8 packer. Stacked out in W/H. RIH w/ overshot & 374 jts. 04/06/23 Pump'd brine H2O to kill well & latched onto fish. 04/10/23 Circ'd hole w/ 440 bbls Brine H2O. Spotted 200 sx class H cmt @12,005-11,441'. WOC. 04/11/23 Tagged plug @ 11,508'. Bled well to pit. 04/12/23 NU spool & BOP. Set 9 5/8 packer @ 1000'. Pressure tested csg, charted 200 PSI low & 1400 PSI High. RIH w/ drill bit & scraper to 5192'. 04/12/23 Broke circulation & reversed out 105 bbls. RU Apollo Wireline, RIH w/ 9 5/8 CIBP to 11,484'. Could not set. POH. 04/14/23 POH w/ tbg. Hydro vac'd cellar, washed out reverse pit. 04/17/23 RU wireline, tagged CIBP @ 11,434'. 04/18/23 Tagged @ 11,448' Set 9 5/8 CIBP @ 11,446'. Set packer @ 4830'. Loaded csg w/ H2O, Established injection rate of 2 BPM @ 800 PSI. No communication to csg. 04/19/23 RU wireline. RIH w/ collar locator, junk basket, & grapple through top of fluid @ 425'. Worked down to 6000'. POH. Set packer @ 6050'. Loaded csg w/ 27 bbls H2O. Pressured up to 850 PSI. 04/20/23 Isolated csg leak @ 4715-5675'.RIH w/ tbg, tagged @ 11,458'. 04/21/23 Pumped 120 bbls MLF. Spotted 40 sx class H cmt @ 11,457- 11,345'. Pumped hole 190 bbls MLF. Spotted 80 sx class H cmt @ 9114- 8889'. Spotted 75 sx class H cmt @ 5868-5631'. WOC. 04/24/23 Tagged plug @ 5636'. Set pkr @ 4012'. Loaded csg w/ 12 bbls H2O, established an injection rate of 2 BPM @ 800 PSI. Sqz'd 600 sx class C cmt & displaced to 4500'. WOC. 04/25/23 Tagged plug @ 4440'. Pressure tested csg, held 500 PSI for 5 minutes.

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Well Number: 1	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM0554252	Unit or CA Name: 1 FEDERAL 9 COM	Unit or CA Number: NMNM100727
US Well Number: 3002520817	Well Status: Abandoned	Operator: COG OPERATING LLC

04/26/23 Perf'd @ 1675'. Pressured up to 1000 PSI. Installed spool. RU Wireline. RIH to 4400'. Loaded csg w/ 3 bbls H2O. Pressured up to 800 PSI. Ran CBL from 4400' to surface. 04/27/23 Spotted 80 sx class C cmt w/ 2% CACL @ 1725- 1473'. WOC. Tagged plug @ 1479'. Circ'd hole w/ MLF. 04/28/23 Spotted 60 sx class C cmt w/ 2% CACL @ 1115-926'. WOC. 05/01/23 Tagged plug @ 889'. Pressure tested csg, held 1000 PSI. ND Spool. NU BOP. Perf'd @ 200'. Pressured up on perfs. Spotted 85 sx class C cmt @ 250' to surface. Gravity Sqz'd into 13 3/8". 05/02/23 RU Jordan Wire rope. changed tbg line. Loaded BOP & Spool. Cleaned pit. Rigged down & moved off. 05/11/23 Moved in backhoe and welder. Cut off well head & anchors. Joe Balderas 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.

SR Attachments

Actual Procedure

- Federal_9_Com_1_Subsequent_Report_20230515155211.pdf
- Federal_9_DHM_Pics_20230515155136.pdf
- Federal_9_Com_1_Current_WBD_20230515155119.pdf
- Federal_9_Com_1_Plugged_WBD_20230515155101.pdf
- Federal_9_Emails_20230515155041.pdf

Operator

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

Operator Electronic Signature: RUTH SHOCKENCY

Signed on: MAY 15, 2023 03:52 PM

Name: COG OPERATING LLC

Title: Regulatory Analyst

Street Address: 600 W. ILLINOIS AVE.

City: MIDLANDState: TX

Phone: (575) 703-8321

Email address: RUTH.SHOCKENCY@CONOCOPHILLIPS.COM

Field

Representative Name:

Street Address:

City:State:Zip:

Phone:

Email address:

Well Name: FEDERAL 9 COM	Well Location: T24S / R34E / SEC 9 / NWNE / 32.237531 / -103.472849	County or Parish/State: LEA / NM
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US Well Number: 3002520817	Well Status: Abandoned	Operator: COG OPERATING LLC

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: 05/18/2023







From: [Immatty, Keith P](#)
Sent: Thursday, April 27, 2023 8:40 AM
To: [Gallegos, Leo S](#)
Cc: [Martin, Brian \(Bedrock Petroleum Consultants LLC\)](#)
Subject: RE: [EXTERNAL] Fed 9 Com 1, Lea Co, NM, (API=30-025-20817) RCBL

Reviewed and mostly OK.

Can we get that plug at 1725' all the way up to 1,505' to meet the top of salt plug requirement?

Everything else is OK as proposed.

Regards,

Keith Immatty

From: Gallegos, Leo S <Leo.S.Gallegos@conocophillips.com>
Sent: Thursday, April 27, 2023 6:42 AM
To: Immatty, Keith P <kimmatty@blm.gov>
Cc: Martin, Brian (Bedrock Petroleum Consultants LLC) <Brian.Martin@contractor.conocophillips.com>
Subject: [EXTERNAL] Fed 9 Com 1, Lea Co, NM, (API=30-025-20817) RCBL

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Keith: attached is a CBL that we ran on the subject well yesterday after we perf'ed at 1675' and could not pump into the perfs. We got up to 1000# and could not pump into them. The attached CBL shows really good cmt at that depth. It also shows good cmt up to +-650'.

We propose to spot a 100' cmt plug from 1725' up to 1625' to cover the perfs at 1675'. WOC and tag.

Based on how the CBL looks at 1100' (really good cmt w/ good bond) we proposed to change the perf and sqz to a 150' cmt plug from 1100' to 950 w/ a WOC and tag.

We will then perf at 200' and attempt to sqz cmt at that depth. If unable to pump at this depth we will spot cmt plug from 250' to surface.

Please advise if this plan is adequate.

Thanks,

Leo

OPERATOR'S NAME:	COG Operating LLC
LEASE NO.:	NMNM0554252
WELL NAME & NO.:	Federal 9 Com 1
US Well Number:	3002520817
LOCATION:	Section 9, T.24 S., R.34 E., NMPM
COUNTY:	Lea County, New Mexico
Sundry ID:	2671795
Karst:	<input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Critical
Potash:	<input type="checkbox"/> Secretary <input type="checkbox"/> R111P
Special Area:	<input type="checkbox"/> Prairie Chicken <input type="checkbox"/> Capitan Reef

1. Tag 5 1/2" C1BP @ 12,850 w/ 35' cmt on top.
2. Set 5 1/2" CIBP (S> 12,646'. Clrc hole w/ MLF. Pressure test csg. Spot ~~22565~~ sx cmt Class H @ 12,646-11696'12,062'. WOC & Tag (9 5/8" Shoe & Top of 51/2" Liner)
3. Spot ~~6655~~ sx cmt Class H @ 9100-~~88938950~~'. (Bone Spring)
4. Spot ~~39655~~ Sx cmt @ ~~5893'5550-46755400~~'. WOC & Tag (13 3/8" Shoe) (Base Salt, Delaware, DV tool)
5. ~~Spot 140 sx cmt @ 5130-4720'. WOC & Tag (8/Salt, No Back, 8e DV Tool)~~
6. Spot ~~3455~~ Sx cmt @ ~~1780-1630'1675'~~ to 1505'. WOC ~~8e~~ and Tag (T/Salt)
7. Spot ~~4855~~ sx cmt @ 1100-950'. WOC and 8e Tag (20" Shoe)
8. Spot ~~6470~~ sx cmt @ 200' to surface.
9. Cut off well head, verify cmt @ surface, weld on Dry Hole Marker

Approval Subject to General Requirements and Special Stipulations Attached

- No more than 3000 feet between cement plugs in cased hole.

Leo Gallegos

Principal Interventions Engineer
Permian BU
ConocoPhillips

Mobile: 432-238-1659
Office: 281-206-5075

From: Snyder Logs <snyderlogs@renegadewls.com>

Sent: Wednesday, April 26, 2023 10:00 PM

To: Gallegos, Leo S <Leo.S.Gallegos@conocophillips.com>; Gallegos, Leo S <Leo.S.Gallegos@conocophillips.com>

Cc: Adam Webster <awebster1@renegadewls.com>

Subject: [EXTERNAL]Fed 9 Com 1 RCBL

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Renegade Services
Snyder, TX
325-573-4441

From: [Vo, Long T](#)
Sent: Tuesday, February 21, 2023 10:50 AM
To: [Gallegos, Leo S](#)
Cc: [Balderaz, Joe J](#)
Subject: Re: [EXTERNAL] Federal 9 COM 1, Lea Co., NM, (API 30-025-20817) P&A guidance

Mr. Gallegos,

You are approved with the revised plan.

Long Vo

Get [Outlook for iOS](#)

From: Gallegos, Leo S <Leo.S.Gallegos@conocophillips.com>
Sent: Tuesday, February 21, 2023 11:43 AM
To: Vo, Long T <lvo@blm.gov>
Subject: [EXTERNAL] Federal 9 COM 1, Lea Co., NM, (API 30-025-20817) P&A guidance

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Long: attached is plugging procedure for the subject well. I have modified from what you approved to account for add'l cmt being needed due to 9-5/8" csg, and I have changed some cmt spots to cmt squeezes because we have data that shows top of cmt at 4800'. Please advise if these changes are good and we can proceed. Thanks

Leo

Leo Gallegos

Principal Interventions Engineer
Permian BU
ConocoPhillips

Mobile: 432-238-1659
Office: 281-206-5075

From: Gallegos, Leo S
Sent: Thursday, February 16, 2023 12:50 PM
To: Vo, Long T <lvo@blm.gov>
Subject: RE: [EXTERNAL] Federal 9 COM 1, Lea Co., NM, (API 30-025-20817) P&A guidance

Thanks. We'll just follow the procedure that you approved, with some add'l cmt volumes to account for 9-5/8" csg from 12,113' to surface.

Leo Gallegos

Principal Interventions Engineer
Permian BU
ConocoPhillips

Mobile: 432-238-1659
Office: 281-206-5075

From: Vo, Long T <lvo@blm.gov>
Sent: Thursday, February 16, 2023 8:11 AM
To: Gallegos, Leo S <Leo.S.Gallegos@conocophillips.com>
Subject: Re: [EXTERNAL] Federal 9 COM 1, Lea Co., NM, (API 30-025-20817) P&A guidance

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Mr. Gallegos,

You will still need to cover the Top of Liner at 12113' (221' in length, 12113' x .01 + 100) and a plug at the top of the Wolfcamp (11865', 218' in length). Both will be 50' below the and the rest on top. All balance plugs will be a minimum of 100' in length plug an additional 10 percent of slurry for each 1000 feet of depth or 25 sacks of cement, whichever is greater.

Regards,

Long Vo

Petroleum Engineer
Carlsbad Field Office
Land and Minerals
Bureau of Land Management
Department of Interior
575-988-5402 Cell

From: Gallegos, Leo S <Leo.S.Gallegos@conocophillips.com>
Sent: Wednesday, February 15, 2023 5:21 PM
To: Vo, Long T <lvo@blm.gov>
Subject: [EXTERNAL] Federal 9 COM 1, Lea Co., NM, (API 30-025-20817) P&A guidance

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Long: this email is to request a change to the attached approved NOI to P&A the subject well. Instead of spotting 225 sx of "H" cmt as specified in step 2 in the attached approved NOI (cut and paste of this step is below), we propose to spot 80 sx "H" cmt on the CIBP @ 12646'. This will get cmt up to 12,050', covering the 9-5/8" csg shoe and the 5-1/2" liner top. We will tag the TOC then we propose to set another CIBP in the 9-5/8" csg @ 12,040' (10' above the tag) and put 200' of "H" cmt (+80 sx) on top of that CIBP. I've attached a WBD showing my proposal.

This option will use less cement, while still covering the 9-5/8" csg shoe and 5-1/2" liner top. It will also introduce a mechanical barrier in the 9-5/8" csg

Please advise if this change is ok.

Thanks,

Leo
432-238-1659

OPERATOR'S NAME:	COG Operating LLC
LEASE NO.:	NMNM0554252
WELL NAME & NO.:	Federal 9 Com 1
US Well Number:	3002520817
LOCATION:	Section 9, T.24 S., R.34 E., NMPM
COUNTY:	Lea County, New Mexico
Sundry ID:	2671795
Karst:	<input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Critical
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Special Area:	<input type="checkbox"/> Prairie Chicken <input type="checkbox"/> Capitan Reef

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2. Set 5 1/2" CIBP (S> 12,646'. Clrc hole w/ MLF. Pressure test csg. Spot ~~22565~~ sx cmt Class H @ 12,646-
11696'12,063'. WOC & Tag (9 5/8" Shoe & Top of 51/2" Liner)
3. Spot ~~6655~~ sx cmt Class H @ 9100-~~88938950~~'. (Bone Spring)

Leo Gallegos

Principal Interventions Engineer
Permian BU
ConocoPhillips

Mobile: 432-238-1659
Office: 281-206-5075

From: [Immatty, Keith P](#)
Sent: Thursday, April 6, 2023 10:29 AM
To: [Gallegos, Leo S](#)
Cc: [Balderaz, Joe J](#)
Subject: RE: [EXTERNAL] Federal 9 Com 1 P&A Path Forward, Lea, Co, NM (API = 30-025-20817)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Leo,

Reviewed and the proposed plan is mostly OK. Couple of additions to integrate to the procedure:

1. Please WOC and Tag the 534' plug. If it is tagged low, please top off to the required depth.
2. Please leak test the CIBP to 500psi, for 30mins

Regards,

Keith Immatty

From: Gallegos, Leo S <Leo.S.Gallegos@conocophillips.com>
Sent: Thursday, April 6, 2023 10:21 AM
To: Immatty, Keith P <kimmatty@blm.gov>
Subject: [EXTERNAL] Federal 9 Com 1 P&A Path Forward, Lea, Co, NM (API = 30-025-20817)

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--

Keith: as per our earlier phone conversation, we have been fishing and or trying to re-connect to the packer in the subject well for +-2 wks with no success. We propose to spot a 534' cmt plug on top of the packer (11,495' to 12,029'), WOC and tag, then put a CIBP on top of that cmt plug at +-11,490'. The attached pdf w/ "proposed" in the name shows our plan.

Regarding isolation between the Morrow(top@ 12,380') and Wolcamp (top: 11,813'):

1. The open Morrow perms from 12,696' to 12,741' are depleted. When we rigged up on the well it was dead
2. As schematic shows, we have a cmt'ed 9-5/8" csg shoe at 12,530' and a cmt'ed 5-1/2" liner top @ 12,113' that will prevent communication from the Morrow to the Wolfcamp

Please advise if this plan is adequate.

Thanks,

Leo

Leo Gallegos

Principal Interventions Engineer
Permian BU
ConocoPhillips

Mobile: 432-238-1659

Office: 281-206-5075

From: [Vo, Long T](#)
Sent: Monday, March 13, 2023 11:09 AM
To: [Gallegos, Leo S](#)
Cc: [Balderaz, Joe J](#)
Subject: Re: [EXTERNAL] RE: Federal 9 COM 1, Lea Co., NM, (API 30-025-20817) P&A guidance

Mr. Gallegos,

You are approved to proceed with the revised plan.

Regards,

Long Vo

Petroleum Engineer
Carlsbad Field Office
Land and Minerals
Bureau of Land Management
Department of Interior
575-988-5402 Cell

From: Gallegos, Leo S <Leo.S.Gallegos@conocophillips.com>
Sent: Monday, March 13, 2023 11:31 AM
To: Vo, Long T <lvo@blm.gov>
Cc: Balderaz, Joe J <jbalderaz@blm.gov>
Subject: [EXTERNAL] RE: Federal 9 COM 1, Lea Co., NM, (API 30-025-20817) P&A guidance

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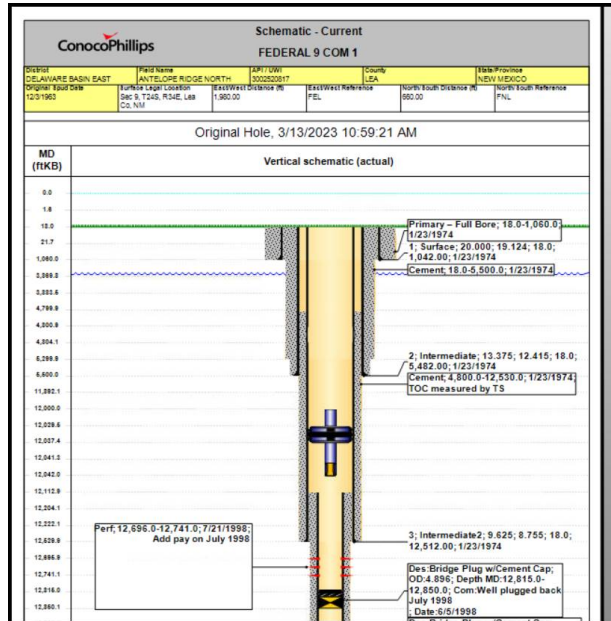
Long: We are currently rigged up on this well and are attempting to release the packer at 12029' but have been unsuccessful. Even if we were successful in releasing the packer, we have an obstruction up the hole in the 9-5/8" csg that we believe will prevent us from removing the packer from the well. With these challenges in mind, we propose to do the following numbered steps below. I've attached a current and proposed schematic for your reference. Please advise if we can go forward.

Thanks,

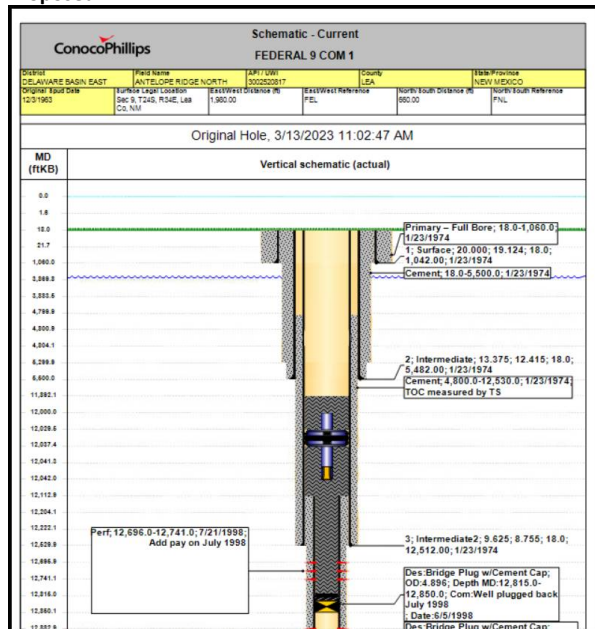
Leo

1. Latch on to tbg above pkr @ 12030' w/ sealed overshot
2. RU WL and TIH down tbg thru pkr and down to perfs @ 12,696'. Tag up on CIBP @ 12,815' if possible
3. POH w/ WL.
4. Pump down tbg to establish rate into perfs from 12696' to 12741'.
5. Mix and pump 100 sx "H" cmt @ 15.4 ppg and displace to 12,030'. WOC and tag to confirm TOC. If TOC not at 12,030 or higher, pump more cmt
6. Unlatch from tbg above pkr and spot 50 sx "H" cmt @ 15.4 ppg from 12030' to 11892'. WOC and tag. If TOC not at 11,892 or higher, pump more cmt
7. Pressure test 9-5/8" csg to 500#. Report fail to supt/engr/BLM. Locate leaks as needed
8. Resume w/ P&A as per approved procedure.

Current :



Proposed:



Leo Gallegos

Principal Interventions Engineer
Permian BU
ConocoPhillips

Mobile: 432-238-1659
Office: 281-206-5075

From: Vo, Long T <lvo@blm.gov>
Sent: Tuesday, February 21, 2023 11:50 AM
To: Gallegos, Leo S <Leo.S.Gallegos@conocophillips.com>
Cc: Balderaz, Joe J <jbalderaz@blm.gov>
Subject: Re: [EXTERNAL] Federal 9 COM 1, Lea Co., NM, (API 30-025-20817) P&A guidance

Mr. Gallegos,

You are approved with the revised plan.

Long Vo

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From: Gallegos, Leo S <Leo.S.Gallegos@conocophillips.com>
Sent: Tuesday, February 21, 2023 11:43 AM
To: Vo, Long T <lvo@blm.gov>
Subject: [EXTERNAL] Federal 9 COM 1, Lea Co., NM, (API 30-025-20817) P&A guidance

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Leo

Leo Gallegos

Principal Interventions Engineer
Permian BU
ConocoPhillips

Mobile: 432-238-1659
Office: 281-206-5075

From: Gallegos, Leo S
Sent: Thursday, February 16, 2023 12:50 PM
To: Vo, Long T <lvo@blm.gov>
Subject: RE: [EXTERNAL] Federal 9 COM 1, Lea Co., NM, (API 30-025-20817) P&A guidance

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This option will use less cement, while still covering the 9-5/8" csg shoe and 5-1/2" liner top. It will also introduce a mechanical barrier in the 9-5/8" csg

Please advise if this change is ok.

Thanks,

Leo
432-238-1659

OPERATOR'S NAME:	COG Operating LLC
LEASE NO.:	NMNM0554252
WELL NAME & NO.:	Federal 9 Com 1
US Well Number:	3002520817
LOCATION:	Section 9, T.24 S., R.34 E., NMPM
COUNTY:	Lea County, New Mexico
Sundry ID:	2671795
Karst:	<input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Critical
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Special Area:	<input type="checkbox"/> Prairie Chicken <input type="checkbox"/> Capitan Reef

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2. Set 5 1/2" CIBP (S> 12,646'. Clrc hole w/ MLF. Pressure test csg. Spot ~~22565~~ sx cmt Class H @ 12,646-
11696'12,063'. WOC & Tag (9 5/8" Shoe & Top of 5 1/2" Liner)
3. Spot ~~6655~~ sx cmt Class H @ 9100-~~88938950'~~. (Bone Spring)

Leo Gallegos

Principal Interventions Engineer
Permian BU
ConocoPhillips

Mobile: 432-238-1659
Office: 281-206-5075

**COG Operating LLC
PLUGGED**

Lease & Well #: **Federal 9 Com #1**API #: **30-025-20817**Spud Date: **11/27/1963**Re-Entered: **1/23/1974**County/State: **Lea County, NM**Surface Location: **B-09-24S-34E, 660 FNL 1980 FEL**Latitude/Longitude: **32.237545,-103.4728165**

NOTES: This well was re-entered in 1974. Original well was the "Hall Federal #1" P&A by Shell Oil Company on 3/21/1964

8. Perf'd @ 200'. Pressured up on perfs. Spotted 85 sx class C cmt @ 250' to surface. Gravity Sqz'd into 13 3/8".

1785 sx Cmt, circ 130 sx

20" 94# H-40 @ 1,050'

7. Spotted 60 sx class C cmt w/ 2% CACL @ 1115-926'. WOC & Tagged plug @ 889'. Pressure tested csg, held 1000 PSI.

6. Spotted 80 sx class C cmt w/ 2% CACL @ 1725-1473'. WOC. Tagged plug @ 1479'.

5. Set pkr @ 4012'. Loaded csg w/ 12 bbls H2O, established an injection rate of 2 BPM @ 800 PSI. Sqz'd 600 sx class C cmt & displaced to 4500'. WOC & Tagged plug @ 4440'.

3,293 sx Cmt, circ 179 sx

13-3/8" 61,68,72# J-55/N-80 @ 5,500'

4. Spotted 75 sx class H cmt @ 5868-5631'. WOC & Tagged plug @ 5636'.

3. Spotted 80 sx class H cmt @ 9114-8889'.

2. Pumped 120 bbls MLF. Spotted 40 sx class H cmt @ 11,457-11,345'.

1. Spotted 200 sx class H cmt @ 12,005-11,441'. WOC. Tagged plug @ 11,508'. Isolated csg leak @ 4715-5675'. RIH w/ tbg, tagged @ 11,458'.

CSG was tied back into in 1974 re-entry, ran 9-5/8" 43.5# N-80 from 4,775' back to surface
CSG was cut and recovered @ 4,775' in previous P&A in March 1964 (TOC was 4,800')

9-5/8" 43.5,47# N-80/P-110 @ 12,530'

Atoka Perfs

12,696' - 12,741'

Atoka Perfs

12,883' - 12,901'

Morrow Perfs (2 x 0.4" shots/ft)

13,586' - 14,010'

575 sx of Class H Cmt, circulated into 9-5/8" CSG

Top of liner @ 12,113'

5-1/2" 29# N-80 liner @ 14,132'

Formation Tops	
T/Salt	1724
B/Salt	5025
delaware	5295
Cherry Canyon	6356
Brushy Canyon	7651
Bone Spring	9037
Upper Avalon	9097
Bone Sp 1st	10045
Bone Sp 2nd	10617
Bone Sp 3rd	11636
Wolfcamp	11865

DV Tool @ 4,773' - 1025 sx Cmt, circ 80 sx. Tied back into CSG @ 4,775'

17-1/2" hole

12-1/4" hole

New PBTD @ 12,838'

Set CIBP @ 12,850' w/ 35' cmt on top
(6/5/1998)

Set CIBP @ 13,000' w/ 2 sx on top (2/15/1991)

32.237545
-103.4728165

Original PBTD @ 14,080'

7-7/8" hole

TD @ 14,134'

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 231012

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 231012
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
john.harrison	Accepted for record - NMOCD JRH 7/5/23. Well P&A'd 5/11/23	7/5/2023