

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.  
NMNM85933

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
BILBREY 34 FED 19. API Well No.  
30-025-3112010. Field and Pool or Exploratory Area  
BILBREY

11. County or Parish, State

LEA COUNTY, NM COUNTY, NM

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
COG OPERATING, LLCContact: ABIGAIL ANDERSON  
E-Mail: abbym@bcmmandassociates.com3a. Address  
600 W. ILLINOIS AVE  
MIDLAND, TX 797013b. Phone No. (include area code)  
Ph: 432-580-7161

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 34 T21S R32E ODES 660FNL 1980FWL  
32.440689 N Lat, 103.664802 W Lon**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

## TYPE OF SUBMISSION

## TYPE OF ACTION

- ☒
- Notice of Intent
- 
- ☐
- Subsequent Report
- 
- ☐
- Final Abandonment Notice

- ☐
- Acidize
- ☐
- Deepen
- ☐
- Production (Start/Resume)
- ☐
- Water Shut-Off
- 
- ☐
- Alter Casing
- ☐
- Hydraulic Fracturing
- ☐
- Reclamation
- ☐
- Well Integrity
- 
- ☐
- Casing Repair
- ☐
- New Construction
- ☐
- Recomplete
- ☐
- Other
- 
- ☐
- Change Plans
- ☒
- Plug and Abandon
- ☐
- Temporarily Abandon
- 
- ☐
- Convert to Injection
- ☐
- Plug Back
- ☐
- Water Disposal

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompletable horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

1. MIRU. ND well head, NU BOP. POH w/ tbg.

2. Tag existing plug @ 14,570'.

2. Set 4 1/2" CIBP @ 14,120'. Circ hole w/ MLF. Pressure test csg. Spot 25 sx cmt @ 14,120-14,000'. *14187*3. Spot 20 sx cmt @ 11,735-11,635'. WOC & Tag. *11525 (T/Liner)*4. Spot 30 sx cmt @ 9050-8800'. *8575 (DVT) WOC Tag*5. Spot 25 sx cmt @ 5500-5400'. *5350 (Spacer)*6. Spot 25 sx cmt @ 4700-4600'. WOC & Tag. (9 5/8" Shoe) *4550. Add 4220 - 3590 WOC Tag (Salt)*7. Perf & Sqz 285 sx cmt @ 3445-4700'. WOC & Tag (R-111-P & DV Tool) *3580 SQZ cmt 950. WOC Tag*

8. Perf &amp; Sqz 25 sx cmt @ 815-715'. WOC &amp; Tag (13 3/8" Shoe)

9. Perf &amp; Sqz 25 sx cmt @ 60' to surface.

10. Cut off well head, verify cmt to surface, weld on Below Ground Dry Hole Marker.

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #466583 verified by the BLM Well Information System  
For COG OPERATING, LLC, sent to the Hobbs  
Committed to AFMSS for processing by DEBORAH MCKINNEY on 05/28/2019 ( )**

Name (Printed/Typed) ABIGAIL ANDERSON

Title AGENT

Signature (Electronic Submission)

Date 05/23/2019

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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.

(Instructions on page 2)

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*****FOR RECORD ONLY**

# COG Operating LLC

## COG OPERATING LLC

Lease & Well #  
30 025 31120

Bilbrey 34 Fed #1

SPUD - 1/16/91

Lea Co., NM  
Sec 34 T21S R32E 660 FNL & 1980 FWL

Elevation - 3681.7'

20' conductor @ 65'

Rustler 950  
T/salt 1060  
B/salt 4160  
Del 5222  
Cherry Cyn 5676

17 1/2" hole  
J-55 54.50#

13 3/8" 48# H-40 @ 765', 665 sx C, circ. Cmt. ✓

TOC @ 3,590'

Temp Survey.

12 1/4" hole

9 5/8" 36# 8rd N-80 STC @ 4,650' ✓

(Ran 73 jts 40# STC K-55 followed by 334 jts 40# STC L080)

1st stage cmt: 500 sx Howco lite w/add., 250 sx C, 2% cc, circ. cmt. ✓

2nd stage cmt: 1500 sx Howco lite w/ad., 100 sx C, 2% cc, circ. cmt. ✓

~~Could not open DV tool for second stage~~

~~Drilled out DV.~~

~~Squeezed w/100 sx H.neat, FP 4,000-psi.~~

BS 8718

Top of liner - 11,685'

Top of cmt - 11,435'

Cmt w/1650 sx 5/0/50/2 A poz W/additives TOC @ 3590' fs, CBL

7" 26# & 29# csg @ 12,009' 12,000 ✓

4-1/2", 15.10#, x 2-3/8" Otis BWB Perm. Pkr @ 14,170'

Morrow

14,287' - 14,352': 4 spf 226 holes, acidized 3000 gal 7-1/2 % HCL ✓

4-1/2" x 2-3/8" Otis BWB Pkr w/Blanking Plug @ 14,570'

14,659' - 14,765': 1 jsf, 27 holes 4/1/91 ✓

Acidized w/1500 gal 7 1/2% NEFE w/750 SCF/bbl N2, 54 ball sealers

Cmt w/550 sx CL H, TOC @ 11,435'.

4/1/2" 3/15# LT&C S-95 @ 14,985', top of liner @ 11,685'

3BS 11666

WC 11800

St. 13145

A4. 13272

MR 14122

PBTD- 14,785'

No  
Record  
Liner

This is a Lateral Seal Assent on 10 jts 4-1/2" 3/15# LT&C S-95 @ 14,985' to 14,785' (2 1/2 ft) connection to 14,785' (2 1/2 ft) and Stage 1 59" 2-3/8" X Over - 338 jts of 2-3/8" 2-3/8" P11 G Plug @ 14,570' Sub w/ 2 285' ID @ Connection string into Pkr w. 12 Pts Comp. SN # 11 156'

32.4406891

-103.6648026

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13 3/8" 48 # H-40 @ 765'. 665 sx C, circ. Cmt.

8. Perf & Sqz 25 sx cmt 815-715'. WOC & Tag (13 3/8" Shoe)

7. Perf & Sqz 285 sx cmt @ 3415-1700'. WOC & Tag. (R-111-P & DV Tool)

TOC @ 3,590'

6. Spot 25 sx cmt @ 4700-4500'. WOC & Tag. (9 5/8" Shoe)

9 5/8" 36# 8rd N-80 STC @ 4,650'. DV tool @ 2983'

(Ran 73 jts 40# STC K-55 followed by 334 jts 40# STC L080)

1st stage cmt: 500 sx Howco lite w/add. 250 sx C, 2% cc, circ. cmt.

2nd stage cmt: 1500 sx Howco lite w/ad. 100 sx C, 2% cc, circ. cmt.

5. Spot 25 sx cmt @ 5500-5400'.

4. Spot 30 sx cmt @ 9050-8800'.

DV tool @ 8996'

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Drilled out DV.

Squeezed w/100 sx H neat FP 4,000 psi.

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Top of liner - 11,685'

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4 1/2" 3/15# LT&C S-95 @ 14,985' top of liner @ 11,685'

Isolator Tool Assn. 14,785' - 14,790' 4 1/2" ID S-95 14,790' - 14,800' 4 1/2" ID S-95 14,800' - 14,810' 4 1/2" ID S-95 14,810' - 14,820' 4 1/2" ID S-95 14,820' - 14,830' 4 1/2" ID S-95 14,830' - 14,840' 4 1/2" ID S-95 14,840' - 14,850' 4 1/2" ID S-95 14,850' - 14,860' 4 1/2" ID S-95 14,860' - 14,870' 4 1/2" ID S-95 14,870' - 14,880' 4 1/2" ID S-95 14,880' - 14,890' 4 1/2" ID S-95 14,890' - 14,900' 4 1/2" ID S-95 14,900' - 14,910' 4 1/2" ID S-95 14,910' - 14,920' 4 1/2" ID S-95 14,920' - 14,930' 4 1/2" ID S-95 14,930' - 14,940' 4 1/2" ID S-95 14,940' - 14,950' 4 1/2" ID S-95 14,950' - 14,960' 4 1/2" ID S-95 14,960' - 14,970' 4 1/2" ID S-95 14,970' - 14,980' 4 1/2" ID S-95 14,980' - 14,990' 4 1/2" ID S-95 14,990' - 15,000' 4 1/2" ID S-95

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5/23/2019

Bilbrey 34 Fed \_1 - Wellbore diagram

SHodges

**BUREAU OF LAND MANAGEMENT**  
**Carlsbad Field Office**  
**620 East Greene Street**  
**Carlsbad, New Mexico 88220**  
**575-234-5972**

**Permanent Abandonment of Federal Wells**  
**Conditions of Approval (LPC Habitat)**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

**If you are unable to plug the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.**

**The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.**

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. Below Ground Level Cap (Lesser Prairie-Chicken Habitat): All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). **The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10<sup>th</sup> day, the BLM is to be contacted with justification to receive an extension for completing the cut off.** Upon the plugging and subsequent abandonment of wells that are located in lesser prairie-chicken habitat, the casings shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be covered with a metal plate at least ¼ inch thick and welded in place. A weep hole shall be left in the plate and/or casing.

NMOCD also requires the operator to notify NMOCD when this type of dry hole marker is used. This can be done on the subsequent report of abandonment which is submitted to the BLM after the well is plugged. State that a below ground cap was installed as required in the COA's from the BLM.

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.

**Timing Limitation Stipulation/ Condition of Approval for Lesser Prairie-Chicken:**

From March 1<sup>st</sup> through June 15<sup>th</sup> annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted