

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

JUL 16 2012

NMOCD ARTESIA

FORM APPROVED  
OMB NO. 1004-0135  
Expires January 31, 2004

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

COG OPERATING, LLC

3a. Address

550 W. TEXAS, SUITE 100, MIDLAND, TEXAS 79701

3b. Phone No. (include area code)

432.818.2281

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

UNIT LETTER H  
1980 ENL & 660 FEL  
SEC. 19, T-17S, R-30E

5. Lease Serial No

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

BURCH KELLY UNIT #57

9. API Well No.

30-015-04198

10. Field and Pool, or Exploratory Area  
GRAYBURG JACKSON; 7-R-QN.-  
GREG.-S.A.

11. County or Parish, State

EDDY COUNTY NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☒ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

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 recompleat 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

PROPOSED PROCEDURE FOR PLUG AND ABANDONMENT:

1) SET 6-5/8" CTR @ 2,450'; MIX X PUMP A 25 SX. CMT. PLUG @ 2,450'-2,330' CIRC. WELL W/ EXA MUD.

2) PERF. X ATTEMPT TO SQZ. A 125 SX. CMT. PLUG @ 1,150'-900' (T/YATES X B/SALT); WOC X TAG CMT. PLUG.

3) PERF. X ATTEMPT TO SQZ. A 55 SX. CMT. PLUG @ 510'-410' (T/SALT X 10-3/4"CSG.SHOE); WOC X TAG CMT. PLUG. 518

4) PERF. X CIRC. TO SURF., FILLING ALL ANNULI, A 45 SX. CMT. PLUG @ 63'-3'.

5) DIG OUT X CUT OFF WELLHEAD 3' B.G.L.; WELD ON STEEL PLATE TO CASINGS X INSTALL DRY HOLE MARKER.

\* Add play 130' from 2965' - 2835'. WOC Tag  
Add play 130' from 2785' - 2655'. WOC Tag (Can Combine)

RECLAMATION PROCEDURE  
ATTACHED

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

Ground Level Dry Hole Marker Required

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

Name (Printed/Typed)

DAVID A. EYLER

Title

AGENT

Date

07/03/12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

SEPS

Date

7-12-12

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

CFO

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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, or to any matter within its jurisdiction.

7/17/2012

Accepted for record  
NMOCD

# COG Operating, LLC

## Lease & Well #

3001504198

Spud date 5-27-72

Completion date 6-6-72

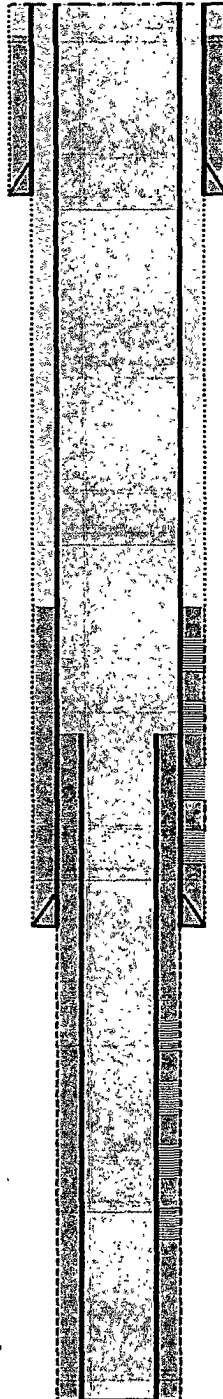
Elevation - 3633

## Burch Keely Unit 57

OLK H

Sec 19 A T 17S R 30E, 1980 FNL & 660 FEL  
EDDY CO., NM

Calculated TOC @ 92'



Calculated TOC @ 2672'

Top of 4 1/2" liner @ 2693'

PBTD - 3696'  
TD @ 3702

12 1/4" hole

10 3/4" 40# @ 460, Cmt w/70 sx.

### Casing cementing calculations

10 3/4" 40# casing 12 1/4" Surface hole

Cement volume. = 70 X 1.32 CF/SK = 92.4 cu. Ft. slurry

92.4 - 25% slurry loss for shoe joint & hole loss = 69.3 CF

69.3 CF X ann. Vol. of 5.3144 FT/CF = 368'

460 - 368 = 92' estimated (calculated) top of cement.

6 5/8" 20# casing 8 1/4" hole

Cement volume = 40 X 1.32 CF/SK = 52.8 cu.ft. slurry.

52.8 - 20% slurry loss for shoe joint & hole loss = 42.24 CF

42.24 CF X ann. Vol. of 10.1157 FT/CF = 428'

2900 - 428 = 2472' estimated (calculated) top of cement.

4 1/2" 9.5# liner 6 1/4" hole Circulated 60 sx off top of liner.

### GB/SA

2498 - 2506 frac w/30,000 gal GW & 30,000# sd

2628 - 2648 frac w/30,000 GW & 30,000 # sd

2782 - 2803 Acidized w/2,000 gal

2872 - 2880 Frac w/20,000 gal GW & 20,000# sd

6 5/8" 20 # csg @ 2900'.

Cmt w/70 sx

3054 33129 Acidized w/3,000 gal

3221 - 3227 Acidized w/3,000 gal

3461 - 3478 frac w/30,000 gal GW & 30,000 # sd

3616 - 3622 frac w/30,000 gal GW & 3,000 # sd  
IP 30 BOD, 0 MCFGD, 55 BLW 8/1/1972

cmt w/160 sx CI H , circ. 60 sx

4 1/2" 9.5# liner @ 3702', top @ 2693'

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## Lease & Well #

3001504198

Spud date 5-27-72

Completion date 6-6-72

Elevation - 3633

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TAG

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@ 1,150'-900' - TAG

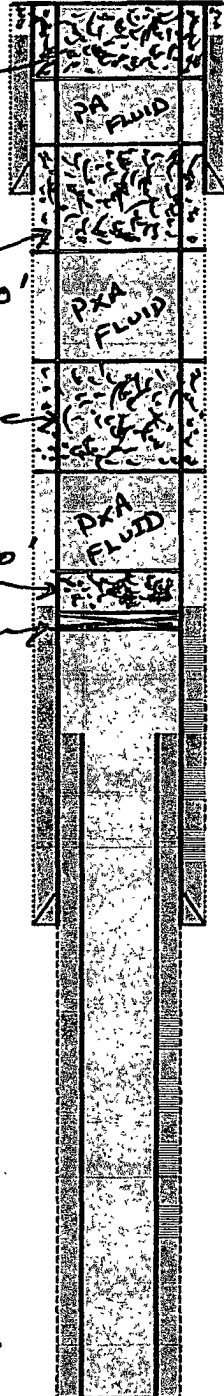
dump 25 SXS. CMT. @ 2,450'-2,350'

Calculated TOC @ 2672'

6-5/8" CIBP @ 2,450'

Top of 4 1/2" liner @ 2693'

PBTD - 3696'  
TD @ 3702



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