

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS** *NMOC Artesia*
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.
NMLC028793A

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.7. If Unit or CA/Agreement, Name and/or No.
NMNM88525X1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
BURCH KEELY UNIT 18 FEDERAL 8H2. Name of Operator
COG OPERATING LLCContact: ROBYN ODOM
E-Mail: rododom@conchoresources.com9. API Well No.
30-015-39578-00-X13a. Address
550 WEST TEXAS AVENUE SUITE 100
MIDLAND, TX 797013b. Phone No (include area code)
Ph: 432-685-438510. Field and Pool, or Exploratory
GRAYBURG JACKSON

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

Sec 18 T17S R30E SWSW Lot 4 585FSL 465FWL

11. County or Parish, and State

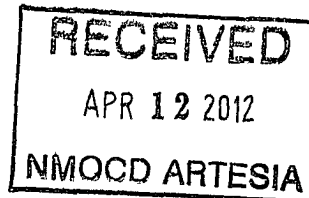
EDDY COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

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 site is ready for final inspection)

COG proposes to downsize from 8-3/4" hole to 7-7/8" hole at 5123'MD and drill a 7-7/8" lateral to 9055'MD Run 5-1/2" 17# L-80 casing from surface to 9055'MD with isolation packers in the lateral portion of the hole. A stage packer tool will be installed in the 5-1/2" string at kick off point at approx 4373'MD. The packers will be set and the DV tool opened. The 5-1/2" pipe will be cemented from 4373'MD to surface with: Lead 500sx 35:65:6:C:Poz:Gel w/5% salt, 5pps LCM, .2%SMS, .3%FL-52A, .125pps CF, 2.01yd. Tail 400sx 50:50:2:C:Poz:Gel w/5% salt, 3pps LCM, .6%SMS, 1%FL-25, 1% BA-58, .125pps CF, .3%FL-52A; 1.37yd. 56% excess in open hole, calculated to surface. This is a minimum volume and will be adjusted up after caliper is run.

Accepted for record
NMOC D *10/13/21* SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct	
Electronic Submission #134672 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 04/04/2012 (12KMS1504SE)	
Name (Printed/Typed) ROBYN ODOM	Title PERSON RESPONSIBLE
Signature (Electronic Submission)	Date 04/04/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>TED MORGAN</u> <i>Ted Morgan</i>	Title <u>PETROLEUM ENGINEER</u>	Date <u>04/10/2012</u>
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 <u>Carlsbad</u>

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

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

**Burch Keely Unit 18 Federal 8H
COG Operating LLC
30-015-39578
April 10, 2012
Conditions of Approval**

Summary of Current Status:

- APD Approved with Drainhole TD (DHTD) at 9055' MD.
- 13-3/8" x 9-5/8" x 5-1/2" casing program with 17-1/2" x 12-1/4" x 8-3/4" hole sizes

ORIGINAL PLAN

REVISED PLAN Sundry dated 4/4/2012:

5-1/2" casing in 8-3/4" hole	8-3/4" hole to 5123'. 7-7/8" lateral hole to TD.
Cement 5-1/2" casing from TD to Surface	Run 5-1/2" casing to TD. Cement from 4373' to Surface (top Glorieta at approximately 4300'). 5-1/2" 17# L-80 J-55 run to TD at 9055' MD
Cement 5-1/2" casing in the drainhole	Utilize 5-1/2" x 7-7/8" isolation packers on the 5-1/2" casing in uncemented drainhole

Conditions of Approval:

The previous engineering COA dated 10/24/2011 shall remain applicable, with the following inclusions.

1. Setting depth for the 5-1/2" x 8-3/4" packer tool shall be at or below the top of the Glorieta Formation, estimated at 4300' MD. (This packer tool setting depth is currently stated at 4373' MD, corresponding to the Kick off point for drilling the lateral. The packer tool setting depth must ensure good cement exists above the top of the Glorieta.)
2. TOC for 5-1/2" casing will be to surface as described in Original APD. Operator is responsible to confirm TOC. If cement does not circulate to surface, the Operator is to call the BLM. Operator is responsible to have a remedial cementing plan if one is needed.
3. The record of the drilling rate along with the GR/N well log run in the vertical portion of hole shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies.