

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

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.
NMLC028784B

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.
NMNM88525X

8. Well Name and No.
BURCH KEELY UNIT 935H

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
COG OPERATING LLC
Contact: KELLY J HOLLY
E-Mail: kholly@concho.com

9. API Well No.
30-015-42748-00-X1

3a. Address
ONE CONCHO CENTER 600 W ILLINOIS AVENUE
MIDLAND, TX 79701

3b. Phone No. (include area code)
Ph: 432.685.4384

10. Field and Pool, or Exploratory
BURCH KEELY-GLORIETA-UPPER YE

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 13 T17S R29E NWSW 1650FSL 200FWL
32.831708 N Lat, 104.036927 W Lon

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 Change to Original A PD
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recomplete 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 recompletion 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 Operating LLC respectfully requests approval to change the production casing design and cement program.

PLEASE SEE ATTACHMENT FOR DETAILS

These changes are necessary in order to install larger pumping equipment and because of the improved corrosion resistance of the L80 grade over P110.

NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 18 2014

Original COAs still stand. Production string is now 7" x 5-1/2" 2

APD Accepted for record 12/8/14

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

Electronic Submission #284931 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by JENNIFER MASON on 12/15/2014 (15JAM0124SE)

Name (Printed/Typed) KELLY J HOLLY

Title PERMITTING TECH

Signature (Electronic Submission)

Date 12/11/2014

APPROVED

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

DEC 15 2014

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

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD 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.

Burch Keely Unit #935H (3160-5 Attachment)

Original production casing proposal:

<u>Interval</u>	<u>size</u>	<u>wt</u>	<u>grade</u>	<u>Safety Factors</u>		
				<u>Burst</u>	<u>Collapse</u>	<u>Tension</u>
0-5256'	5½"	17#	P110	1.24	2.94	7.00
5256'-10137'	5½"	17#	P110	1.33	2.97	5.79

New production casing proposal:

<u>Interval</u>	<u>size</u>	<u>wt</u>	<u>grade</u>	<u>Safety Factors</u>		
				<u>Burst</u>	<u>Collapse</u>	<u>Tension</u>
0-4429'	7"	29#	L80	1.33	3.31	2.60
4429'-10137'	5 ½"	17#	L80	1.26	2.66	4.07

New production cement :

Single Stage:

<u>Interval</u>	<u>Hole size</u>	<u>sacks</u>	<u>yield</u>	<u>wt.</u>	500 psi		<u>Time</u>
					<u>Wtr. Requirements</u>	<u>Excess</u>	
0-4429'	8 ¾"	500	2.01 cf/sk.	12.5 ppg	11.4 gal/sk.	49%	30 hr.
4429'-5256'	8 ¾"	200	1.37 cf/sk.	14.0 ppg	6.5 gal/sk.	25%	12 hr.
5256'-10137'	7 7/8"	800	1.37 cf/sk.	14.0 ppg	6.5 gal/sk.	30%	12 hr.

Multi-stage:

<u>Interval</u>	<u>Hole size</u>	<u>sacks</u>	<u>yield</u>	<u>wt.</u>	500 psi		<u>Time</u>
					<u>Wtr. Requirements</u>	<u>Excess</u>	
0-2300'	8 ¾"	225	2.01 cf/sk.	12.5 ppg	11.4 gal/sk.	28%	30 hr.
2300'-2750'	8 ¾"	150	1.02 cf/sk.	16.8 ppg	4.0 gal/sk.	126%	6 hr.
2750'-4429'	8 ¾"	175	2.01 cf/sk.	12.5 ppg	11.4 gal/sk.	39%	30 hr.
4429'-5256'	8 ¾"	200	1.37 cf/sk.	14.0 ppg	6.5 gal/sk.	25%	12 hr.
5256'-10137'	7 7/8"	800	1.37 cf/sk.	14.0 ppg	6.5 gal/sk.	30%	12 hr.