

HOBBS OCD

**SEP 06 2016
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

**Carlsbad Field Office
OCD Hobbs**

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	2. Name of Operator COG OPERATING LLC	Contact: MAYTE X REYES E-Mail: mreyes1@concho.com	File No. Serial No. NMNM132948
3a. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287	3b. Phone No. (include area code) Ph: 575-748-6945	6. If Indian, Allottee or Tribe Name	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 32 T24S R35E NWSE 2590FSL 1980FEL	8. Well Name and No. SKULL CAP FEDERAL COM 22H	9. API Well No. 30-025-43299-00-X1	10. Field and Pool, or Exploratory WC025G09S243532M-BONE SPRING
11. County or Parish, and State LEA 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 APD
	<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 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 Operating LLC, respectfully requests approval for the following changes to the original approved APD.

Operator requests a change to our production casing weight.

Operator will upgrade from 20 ppf 5.5? P110 BTC to 23 ppf 5.5? HCP110 BTC and move the crossover to 5? up to 11482?.

This increases our 23 ppf coupling OD to 6.05?, which violates the 0.422? clearance inside the 7 5/8? intermediate casing (0.4125?).

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

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

**Electronic Submission #349675 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by MUSTAFA HAQUE on 08/31/2016 (16MH0021SE)**

Name (Printed/Typed) MAYTE X REYES	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 08/31/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By (BLM Approver Not Specified) <u>Mustafa Haque</u>	Title PETROLEUM ENGINEER	Date 09/01/2016
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 Hobbs

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.

[Handwritten Signature]

Additional data for EC transaction #349675 that would not fit on the form

32. Additional remarks, continued

On a different well (Copperhead 31 Federal Com #3H), we secured approval from the BLM to move the 5.5" x 5" crossover to 500' above the 7 5/8" shoe.

This would equal 500' of tie-back at a thickness of 0.656" per side. This would provide us with sufficient cement bond thickness between our production string and 7 6/8" intermediate casing.

See attached.

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Tension
	From	To							
20.0"	0	900	16.0"	75	J55	BTC	2.395	1.315	7.03
13.5"	0	5360	10.75"	45.5	HCN80	BTC	1.234	1.165	3.024
9.875"	0	11982	7 5/8"	29.7	HCP110	BTC	1.261	1.967	2.062
6.75"	0	11482	5.5"	20 23	P110 HCP110	BTC	1.139	1.271	2.196
6.75"	11482	20215	5.0"	18	P110	BTC	1.438	1.400	4.973
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet

**PECOS DISTRICT
CONDITIONS OF APPROVAL**

OPERATOR'S NAME:	COG Operating, LLC
LEASE NO.:	NMNM-132948
WELL NAME & NO.:	Skull Cap Fed Com 22H
SURFACE HOLE FOOTAGE:	2590' FSL & 1980' FEL
BOTTOM HOLE FOOTAGE	0050' FSL & 1980' FEL
LOCATION:	Section 32, T. 24 S., R 35 E., NMPM
COUNTY:	Lea County, New Mexico

All previous COAs still apply.

MHH 09012016