

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**HOBBS OCD**

SEP 10 2016  
**RECEIVED**

**SUNDRY NOTICES AND REPORTS OF WELL**  
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

**Carlsbad Field Office**  
**OCD Hobbs**

5. Lease Serial No.  
NMM132948

6. If Indian, Cottee or Tribe Name

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

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
SKULL CAP FEDERAL COM 2H ✓

2. Name of Operator  
COG OPERATING LLC  
Contact: MAYTE X REYES  
E-Mail: mreyes1@concho.com

9. API Well No.  
30-025-43299

3a. Address  
2208 WEST MAIN STREET  
ARTESIA, NM 88210

3b. Phone No. (include area code)  
Ph: 575-748-6945

10. Field and Pool, or Exploratory  
WC-025 G-09 S253509D;BS

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 32 T24S R35E NWSE 2590FSL 1980FEL ✓

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 A PD
	<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 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?).

**DENIED**

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

Electronic Submission #349338 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 ()

Name (Printed/Typed) MAYTE X REYES Title REGULATORY ANALYST

Signature (Electronic Submission) Date 08/29/2016

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By Mustafa Haque Title **PETROLEUM ENGINEER** Date 08/31/2016

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.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

**Additional data for EC transaction #349338 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.

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	P110	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