OCD Hobbs

Form 3160 -3 (March 2012)		[OMB No.	APPROVED . 1004-0137 tober 31, 2014
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL OR REENTER			5. Lease Serial No. NMNM119277 6. If Indian, Allotee or Tribe Name	
la. Type of work: 🔽 DRILL 🗌 REENTER			7 If Unit or CA Agreement, Name and No.	
lb. Type of Well: 🔽 Oil Well 🔲 Gas Well 🛄 Other	Single Zone Multipl	le Zone	8. Lease Name and W COLUMBUS FEDER	
2. Name of Operator COG OPERATING LLC 22913	7)		9. API Well No. 30-025-	-43623
	Phone No. (include area code) 32)683-7443		10. Field and Pool, or Ea WILDCAT / WOLFC	xploratory (95994)
4. Location of Well (Report location clearly and in accordance with any Sta	te requirements.*)		11. Sec., T. R. M. or Blk	k. and Survey or Area
At surface NENE / 210 FNL / 1300 FEL / LAT 32.093687 / L At proposed prod. zone SESE / 200 FSL / 990 FEL / LAT 32.06	A DESCRIPTION OF THE OWNER OF THE		SEC 34 / T25S / R3	3E / NMP
 Distance in miles and direction from nearest town or post office* 20 miles 			12. County or Parish LEA	13. State NM
15. Distance from proposed* 16 location to nearest 210 feet property or lease line, ft. 48 (Also to nearest drig. unit line, if any) 48	6. No, of acres in lease 30	17. Spacing 320	g Unit dedicated to this we	
to nearest well, drilling, completed, 1010 feet	2411 feet / 22455 feet		IA Bond No. on file	MAR 1 5 2017
	Approximate date work will star 2/02/2016	ť*	23. Estimated duration 37 days RECEIVED	
	4. Attachments		2	
The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form: 1. Well plat certified by a registered surveyor. 2. A Drilling Plan. 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 5. Operator certification 6. Such other site specific information and/or plans as may be required by the BLM.				
25. Signature	Name (Printed/Typed) Mayte Reyes / Ph: (575)	748 6045	I	Date 11/03/2016
(Electronic Submission) Title Regulatory Analyst	Mayle Reyes / Fil. (575).	740-0945		11/03/2016
Approved by (Signature) (Electronic Submission)	Name (Printed/Typed) Cody Layton / Ph: (575)234-5959			Date 03/09/2017
Title Supervisor Multiple Resources	Office HOBBS			
Application approval does not warrant or certify that the applicant holds leg conduct operations thereon. Conditions of approval, if any, are attached.	zal or equitable title to those right	ts in the subj	ect lease which would en	title the applicant to
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime States any false, fictitious or fraudulent statements or representations as to an	for any person knowingly and w y matter within its jurisdiction.	villfully to m	ake to any department or	agency of the United
(Continued on page 2)			*(Instr	uctions on page 2)

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Operator Name: COG OPERATING LI	_C	
Well Name: COLUMBUS FEDERAL C	OM	Well Number: 22H
String Type: SURFACE	Other String Type	:
Hole Size: 13.5		
Top setting depth MD: 0		Top setting depth TVD: 0
Top setting depth MSL: -9086		
Bottom setting depth MD: 1025		Bottom setting depth TVD: 1025 1095
Bottom setting depth MSL: -10111		¢
Calculated casing length MD: 1025		
Casing Size: 10.75	Other Size	
Grade: 180 11 - 80	Other Grade:	
Weight: 45.5		
Joint Type: STC	Other Joint Type:	
Condition: NEW		
Inspection Document:		
Standard: API		
Spec Document:		
Tapered String?: N		
Tapered String Spec:		
Safety Factors		

Collapse Design Safety Factor: 5.14 Joint Tensile Design Safety Factor type: DRY Body Tensile Design Safety Factor type: DRY Casing Design Assumptions and Worksheet(s): Burst Design Safety Factor: 0.86 Joint Tensile Design Safety Factor: 14.7 Body Tensile Design Safety Factor: 14.7

COG Columbus 22H_Casing Prog_02-14-2017.pdf