

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs
HOBBS OCD

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		5. Lease Serial No. NMLC061842
2. Name of Operator COG OPERATING LLC		6. If Indian, Allottee or Tribe Name
Contact: KELLY J HOLLY E-Mail: kholly@concho.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 600 W ILLINOIS AVE MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-685-4384	8. Well Name and No. FLAT HEAD FEDERAL COM 8H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 14 T17S R32E NENE 1170FNL 330FEL		9. API Well No. 30-025-42375
		10. Field and Pool, or Exploratory MALJAMAR; YESO WEST
		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 to change the production casing design and cement program.

PLEASE SEE ATTACHMENT FOR DETAILS

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

Well already drilled w/out this approval.

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #289670 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Hobbs Committed to AFMSS for processing by LINDA JIMENEZ on 04/13/2015 ()	
Name (Printed/Typed) KELLY J HOLLY	Title PERMITTING TECH
Signature (Electronic Submission)	Date 01/28/2015
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By	Title
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.	

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

JUN 29 2015

PM

Flat Head Federal Com #8H – (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>
0-5454'	5 ½"	17#	L80	1.33	2.41	4.24
5454'-11869'	5 ½"	17#	L80	1.33	2.20	3.87

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>
0-5454'	7"	29#	L80	1.33	2.75	2.75
5454'-11869'	5 ½"	17#	L80	1.26	2.25	6.57

New production cement:

Single stage :

<u>Interval</u>	<u>Hole size</u>	<u>Csg. Size</u>	<u>Sacks</u>	<u>yield</u>	<u>wt.</u>	<u>wtr. Requirements</u>	<u>excess</u>	<u>500 psi</u> <u>time</u>
0-5454'	8 ¾"	7"	500	2.01 cf/sk	12.5 ppg	11.4 gps	20%	30 hr
5454'- 6272'	8 ¾"	5 1/2"	300	1.37 cf/sk	14.0 ppg	6.5 gps	108%	12 hr
6272'-11869'	7 7/8"	5 ½"	1200	1.37 cf/sk	14.0 ppg	6.5 gps	24%	12 hr

Multi-stage: DV Tool @ 4175'

<u>Interval</u>	<u>Hole size</u>	<u>Csg. Size</u>	<u>Sacks</u>	<u>yield</u>	<u>wt.</u>	<u>wtr. Requirements</u>	<u>excess</u>	<u>500 psi</u> <u>time</u>
0-3760'	8 ¾"	7"	325	2.01 cf/sk.	12.5 ppg	11.4 gps	12%	30 Hr
3760'-4175'	8 ¾"	7"	150	1.02 cf/sk	16.8 ppg	4.8 gps	145%	6 Hr
4175'-5454'	8 ¾"	7"	175	2.01 cf/sk	12.5 ppg	11.4 gps	83%	30 Hr
5454'-6272'	8 ¾"	5 ½"	300	1.37 cf/sk	14.0 ppg	6.5 gps	100%	12 Hr
6272'-11869'	7 7/8"	5 ½"	1200	1.37 cf/sk.	14.0 ppg	6.5 gps	70%	12 Hr