

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.***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		8. Well Name and No PUCKETT 13 FEDERAL 7H
2 Name of Operator COG OPERATING LLC		9. API Well No. 30-015-39178
3a Address 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79707		10. Field and Pool, or Exploratory FREN; GLORIETA-YESO
3b Phone No (include area code) Ph: 432-685-4384		11. County or Parish, and State EDDY COUNTY, NM
4 Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 13 T17S R31E Mer NMP NENE 83FNL 970FEL		

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

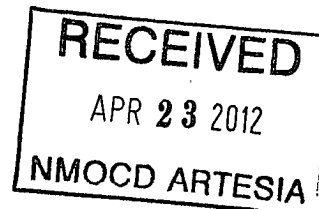
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> 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 recomple 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 recomple 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 proposes to downsize from 8 3/4" hole to 7 7/8" hole at 6873' MD and drill a 7 7/8" lateral to 11,262' MD. 5 1/2" 17# L-80 casing from surface to 11,262' MD with isolation packers in the lateral portion of the hole. A stage packer tool will be installed in the 5 1/2" string at kick off point at approximately 6123' MD. The packers will be set and the DV tool opened. The 5 1/2" pipe will be cemented from 6123' MD to surface with: LEAD SLURRY: 400 sx35:65:6:C:Poz:Gel w/5% salt, 5 pps LCM, .2% SMS, 3% FL-52A, .125 pps CF, 2.01 yd. TAIL SLURRY: 400 sx50:50:2:C Poz:Gel w/5% salt, 3pps LCM, .6% SMS, 1% FL-25, 1% BA-58, .125 pps CF, .3% FL-52A; 1.37 yield. 64% excess in open hole, calculated to surface.

\*\*This is a minimum volume and will be adjusted up after caliper is run.

All other components of the cement program will remain the same

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

14 I hereby certify that the foregoing is true and correct.		Accepted for record NMOCD 105 4/24/2012	
Electronic Submission #135139 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 04/12/2012 ()			
Name (Printed/Typed) KELLY J HOLLY	Title PERMITTING TECH		
Signature (Electronic Submission)	Date 04/11/2012		
THIS SPACE FOR FEDERAL OR STATE OFFICE USE			
Approved By _____		PETROLEUM ENGINEER	
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.		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 \*\***

**Puckett 13 Federal Com 7H**  
**COG Operating LLC**  
**30-015-39178**  
**April 17, 2012**  
**Conditions of Approval**

**Summary of Current Status:**

- Changed well name. Original APD was for Puckett Federal 13 #4.
- APD and Sundry Approved with Drainhole TD (DHTD) at 11262' MD (6600' TVD).
- 13-3/8" x 9-5/8" x 5-1/2" casing program with 17-1/2" x 12-1/4" x 8-3/4" hole sizes.

**ORIGINAL PLAN**

8-3/4" hole size. 7" x 5-1/2" csg.

Cement prod csg from TD to Surface.

**REVISED PLAN Sundry dated 4/4/2012:**

8-3/4" hole to 6773': 7-7/8" lateral hole to TD.

Run 5-1/2" 17# L-80 casing to TD. Cement from 6123' to Surface.

Utilize 5-1/2" x 7-7/8" isolation packers on the 5-1/2" casing in the uncemented drainhole.

Top Glorieta is predicted at 5250'.

**Conditions of Approval:**

The original engineering COA shall remain applicable, with the following inclusions.

1. Setting depth for the 5-1/2" packer tool at 6123' MD is approved.
2. TOC for 5-1/2" casing above the DV tool will be to surface. Operator is responsible to confirm TOC. If cement does not circulate to surface, the Operator is to call the BLM. Operator is responsible to have a remedial cementing plan if one is needed. **NOTE: Additional cement will be required as excess calculates -15%.**
3. Changes to the approved casing program need prior approval if the items substituted are of lesser grade or different casing size. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#).
4. Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.).

TMM 04/17/2012