

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		5. Lease Serial No. NMNM120895
2. Name of Operator COG PRODUCTION LLC		6. If Indian, Allottee or Tribe Name
3a. Address 2208 W MAIN STREET ARTESIA, NM 88210		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 575-748-6945		8. Well Name and No. PATRON 23 FEDERAL 2H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 23 T25S R29E NENW 322FNL 2085FWL 32.121752 N Lat, 103.956513 W Lon		9. API Well No. 30-015-42449-00-X1
		10. Field and Pool, or Exploratory CORRAL DRAW
		11. County or Parish, and State EDDY 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
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

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 Production LLC, respectfully requests approval for the following changes to the original approved APD.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

We have received approval for a revised intermediate casing cementing program for the Patron 23 Federal 2H for a 2 Stage Cementing job with an External Casing Packer (ECP).

In this request, we did not consider the contingency of cancelling the 2nd Stage of the cementing program in the event the 1st Stage was successful in getting cement circulated to surface.

The cementing program in the 1st Stage was sized at 500% excess of 12-1/4" bit size and therefore the possibility of getting cement to surface on the 1st Stage is reasonable.

**NM OIL CONSERVATION
ARTESIA DISTRICT**120
Accepted for record
12/15/14 NM-OCD
DEC 30 2014**RECEIVED***verbal given on 12/19/14*

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #286136 verified by the BLM Well Information System For COG PRODUCTION LLC, sent to the Carlsbad Committed to AFMSS for processing by JENNIFER MASON on 12/22/2014 (15JAM0137SE)	
Name (Printed/Typed) MAYTE X REYES	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 12/22/2014
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	
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.	

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #286136 that would not fit on the form

32. Additional remarks, continued

In the event we do get cement to surface on the 1st stage, we will have a cancellation plug/device that will shift the DV Tool and ECP Permanently closed.

Therefore we request permission to be able to cancel the 2nd Stage cement in the event we circulate cement to surface on the 1st Stage.

As previously approved, if we do not get cement circulated to surface with the 1st Stage, we will pump the 2nd Stage Cement job as approved.

**PECOS DISTRICT
CONDITIONS OF APPROVAL**

OPERATOR'S NAME:	COG Production LLC
LEASE NO.:	NMNM-120895
WELL NAME & NO.:	Patron 23 Federal 2H
SURFACE HOLE FOOTAGE:	0322' FNL & 2085' FWL
BOTTOM HOLE FOOTAGE	0330' FSL & 1980' FWL
LOCATION:	Section 23, T. 25 S., R 29 E., NMPM
COUNTY:	Eddy County, New Mexico
API:	30-015-42449

The original COAs still stand with the following drilling modifications:

Medium Cave/Karst

Possibility of water flows in the Canyon, Ellenburger, and Precambrian.

Possibility of lost circulation in the Ellenburger.

1. The minimum required fill of cement behind the 9-5/8 inch intermediate casing is:

Operator has proposed DV tool at depth of 904', but will adjust cement proportionately if moved. DV tool shall be set a minimum of 50' below previous shoe and a minimum of 200' above current shoe.

- a. First stage to DV tool:

- ☒ Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve circulation on the next stage.

If operator circulates cement on the first stage, operator is approved to run the DV tool cancellation plug and cancel the second stage of the proposed cement plan. If cement does not circulate, operator will proceed with the second stage.

- b. Second stage above DV tool:

- ☒ Cement to surface. If cement does not circulate see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst.**

JAM 121914