

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**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.**

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

<b>SUBMIT IN TRIPLICATE - Other instructions on reverse side.</b>		5. Lease Serial No. NMLC029338B
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator COG OPERATING LLC		7. If Unit or CA/Agreement, Name and/or No.
Contact: NETHA AARON E-Mail: oaron@conchoresources.com		8. Well Name and No. HARVARD FEDERAL 20
3a. Address 550 WEST TEXAS AVENUE SUITE 1300 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-818-2319 Fx: 432-685-4396	9. API Well No. 30-015-37830-00-S1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 12 T17S R30E SWNW Lot E 2035FNL 1035FWL		10. Field and Pool, or Exploratory LOCO HILLS
		11. County or Parish, and State EDDY COUNTY, NM

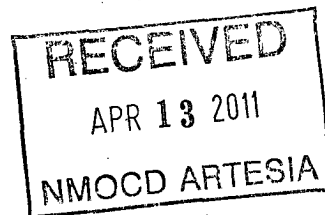
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 checked="" 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 Drilling Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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.)

2/23/11 MIRU. Tested BOP to 3500# for 30 min, Good.  
2/28/11 Perf Lower Blinbry @ 5750 - 5950 w/1 SPF, 26 holes.  
3/01/11 Acidized w/3571 gals 15% HCL. Frac w/124,935 gals gel, 146,612# 16/30  
White sand, 32,393# 16/30 Siber Prop. Set CBP @ 5705.  
Perf Middle Blinbry @ 5480 - 5680 w/1 SPF, 26 holes.  
Acidized w/3500 gals 15% HCL. Frac w/124,550 gals  
gel, 145,429# 16/30 White sand, 29,764# 16/30 Siber Prop.  
Set CBP @ 5440.  
Perf Upper Blinbry @ 5210 ? 5410 w/1 SPF, 26 holes. Acidized  
w/3500 gals 15% HCL. Frac w/123,638 gals gel, 147,830# 16/30 White  
sand, 27,194# 16/30 Siber Prop. Set CBP @ 4940.  
Perf Paddock @ 4660 - 4910 w/1 SPF, 26 holes. Acidized w/3528 gals 15%

Accepted for record - NMOCD  
4-19-11



14. Thereby certify that the foregoing is true and correct.	
Electronic Submission #105556 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 03/31/2011 (11KMS1262SE)	
Name (Printed/Typed) NETHA AARON	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 03/30/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <b>ACCEPTED</b>	JAMES A AMOS Title SUPERVISOR EPS	Date 04/03/2011
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 Carlsbad

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 #105556 that would not fit on the form**

**32. Additional remarks, continued**

HCL.

Frac w/107,890 gals gel, 107,671# 16/30 White sand, 8,325# 16/30 Siber

Prop.

3/04/11 Drilled out plugs. Clean out to PBTD 6114.

3/07/11 RIH w/179jts 2-7/8" J55 6.5# tbg, EOT @ 5845. RIH w/2-1/2" x 2" x 24"

RHBC pump.

3/09/11 Hang well on.