

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED  
OMB No. 1004-0137  
Expires July 31, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5 Lease Serial No  
NMNM94595

1a Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6 If Indian, Allottee or Tribe Name	
b Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff Resvr. Other _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator COG OPERATING LLC		8. Lease Name and Well No. REDBUD FEDERAL 2	
Contact NETHA AARON E-Mail: oaron@conchoresources.com		9. API Well No. 30-015-39489-00-S1	
3. Address 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79701		3a. Phone No. (include area code) Ph: 432-818-2319	
4. Location of Well (Report location clearly and in accordance with Federal requirements) At surface Sec 25 T17S R27E Mer NMP NENW Lot C 330FNL 2340FWL At top prod interval reported below At total depth		10. Field and Pool, or Exploratory RED LAKE	
14. Date Spudded 12/04/2011		15. Date T.D. Reached 12/10/2011	
16. Date Completed 01/10/2012		17. Elevations (DF, KB, RT, GL)* 3536 GL	
18. Total Depth: MD 4744 TVD 4744		19. Plug Back T.D.: MD 4681 TVD 4681	
20. Depth Bridge Plug Set. MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) THREEDTLITHO-D HNGS;HI-RESLATA	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)			

23 Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	0	392		450		0	
11.000	8.625 J-55	24.0	0	1036		500		0	
7.875	5.500 J-55	17.0	0	4734		900		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	4410							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) YESO	3250	4440	3250 TO 3530	0.340	26	OPEN, Paddock
B)			3700 TO 3900	0.340	26	OPEN, Upper Blinbery
C)			3970 TO 4170	0.340	26	OPEN, Middle Blinbery
D)			4240 TO 4440	0.340	26	OPEN, Lower Blinbery

27 Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
3250 TO 3530	ACIDIZED W/1500 GALS 15% HCL
3250 TO 3530	FRAC W/96,000 GALS GEL, 106,807# 16/30 WHITE SAND, 17,440# 16/30 CRC
3700 TO 3900	ACIDIZE W/1500 GALS 15% HCL
3700 TO 3900	FRAC W/114,000 GALS GEL, 136,382# 16/30 WHITE SAND, 32,124# 16/30 CRC

**RECLAMATION  
DUE 7-10-12**

**Accepted for record  
NMOCD**

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
01/11/2012	02/08/2012	24	→	58.0	67.0	609.0	31.3	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
SI	70	70.0	→	58	67	609	1155	POW	

**ACCEPTED FOR RECORD**

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
SI			→						

FEB 25 2012

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #131202 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)  
SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
YATES	182		SANDSTONE	YATES	182
QUEEN	958		SANDSTONE & DOLOMITE	QUEEN	958
GRAYBURG	1389		SANDSTONE & DOLOMITE	GRAYBURG	1389
SAN ANDRES	1732		DOLOMITE & LIMESTONE	SAN ANDRES	1732
GLORIETA	3097		SANDSTONE	GLORIETA	3097
YESO	3145		DOLOMITE & ANHYDRITE	YESO	3145
TUBB	4589		SANDSTONE & DOLOMITE	TUBB	4589

## 32. Additional remarks (include plugging procedure):

## 44. Acid, Fracture, Treatment, Cement Squeeze, etc.

3970 - 4170 Acidized w/1500 gals 15% HCL.  
3970 - 4170 Frac w/114,000 gals gel, 145,233# 16/30 White sand,  
28,693# 16/30 CRC

4240 - 4440 Acidized w/2500 gals 15% HCL.  
4240 - 4440 Frac w/117,000 gals gel, 145,654# 16/30 White sand,

## 33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7 Other       |                       |

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #131202 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by KURT SIMMONS on 02/21/2012 (12KMS1041SE)

Name (please print) NETHA AARON

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 02/17/2012

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.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***

**Additional data for transaction #131202 that would not fit on the form**

**32. Additional remarks, continued**

31,803# 16/30 CRC

LOGS WILL BE MAILED