

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

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NMLC029338B	
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		6. If Indian, Allottee or Tribe Name	
2. Name of Operator COG OPERATING LLC		7. Unit or CA Agreement Name and No.	
Contact: NETHA AARON E-Mail: oaaron@conchoresources.com		8. Lease Name and Well No. HARVARD FEDERAL 16	
3. Address 550 WEST TEXAS SUITE 100 MIDLAND, TX 79701		9. API Well No. 30-015-37828	
3a. Phone No. (include area code) Ph: 432-818-2319		10. Field and Pool, or Exploratory LOCO HILLS; GLORIETA YESO	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Lot H 2110FNL 275FEL 32.85037 N Lat, 103.93437 W Lon At top prod interval reported below Lot H 2110FNL 275FEL 32.85037 N Lat, 103.93437 W Lon At total depth Lot H 2304FNL 343FEL		11. Sec., T., R., M., or Block and Survey or Area Sec 11 T17S R30E Mer	
14. Date Spudded 12/26/2010		12. County or Parish EDDY COUNTY	
15. Date T.D. Reached 01/04/2011		13. State NM	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 01/26/2011		17. Elevations (DF, KB, RT, GL)* 3741 GL	
18. Total Depth: MD 6158 TVD 6158		19. Plug Back T.D.: MD 6090 TVD 6090	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATEDNEUT	
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 type="checkbox"/> No <input checked="" 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 H40	48.0	0	442		450		0	
11.000	8.625 J55	24.0	0	1297		500		0	
7.875	5.500 J55	17.0	0	6144		1050		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	5746							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	4620	4900	4620 TO 4900	0.410	26	OPEN
B) BLINEBRY	5100	5300	5100 TO 5300	0.410	26	OPEN
C) BLINEBRY	5370	5570	5370 TO 5570	0.410	26	OPEN
D) BLINEBRY	5648	5848	5648 TO 5848	0.410	26	OPEN

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

Depth Interval	Amount and Type of Material
4620 TO 4900	ACIDIZE W/2500 GALS 15% HCL
4620 TO 4900	FRAC W/116,962 GAL GEL, 119,198#16/30 OTTAWA SAND, 28,239# 16/30 SIBERPROP
5100 TO 5300	ACIDIZE W/3500 GALS 15% HCL
5100 TO 5300	FRAC W/124,230 GAL GEL, 142,540#16/30 OTTAWA SAND, 28,239# 16/30 SIBERPROP

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
02/14/2011	02/16/2011	24	→	60.0	278.0	259.0	39.1	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
		70.0	→					POW	

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. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

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

ELECTRONIC SUBMISSION #103543 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICERECEIVED
MAR 15 2011
NMOCD ARTESIA

ACCEPTED FOR RECORD

MAR 12 2011

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	1431		DOLOMITE & SAND	YATES	1431
QUEEN	2331		SAND	QUEEN	2331
SAN ANDRES	3049		DOLOMITE & ANHYDRITE	SAN ANDRES	3049
GLORIETA	4532		SAND & DOLOMITE	GLORIETA	4532
YESO	4592		DOLOMITE & ANHYDRITE	YESO	4592
TUBB	6014			TUBB	6014

32. Additional remarks (include plugging procedure):

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

5370 - 5570 ACIDIZE W/3500 GALS 15% HCL,
5370 - 5570 FRAC W/124,335 GAL GEL, 144,690#16/30 OTTAWA SAND, 32,163#
16/30 SIBERPROP

5648 - 5848 ACIDIZE W/3500 GALS 15% HCL,

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 #103543 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad

Name (please print) NETHA AARON

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 03/02/2011

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.

** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL **

Additional data for transaction #103543 that would not fit on the form

32. Additional remarks, continued

5648 - 5848 FRAC W/123,927 GAL GEL, 144,320#16/30 OTTAWA SAND, 29,388#
16/30 SIBERPROP

LOGS WILL BE MAILED.