

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC029338B

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			Contact: NETHA AARON E-Mail: oaaron@conchoresources.com		
3. Address 550 WEST TEXAS AVENUE SUITE 1300 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 SWNW Lot E 2035FNL 1035FWL At top prod interval reported below Sec 12 T17S R30E Mer NMP At total depth SWNW Lot E 2263FNL 934FWL			8. Lease Name and Well No. HARVARD FEDERAL 20		
14. Date Spudded 02/01/2011			15. Date T.D. Reached 02/15/2011		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 03/09/2011			9. API Well No. 30-015-37830-00-S1		
18. Total Depth: MD 6165 TVD 6156			19. Plug Back T.D.: MD 6114 TVD 6105		
20. Depth Bridge Plug Set: MD TVD			10. Field and Pool, or Exploratory LOCO HILLS		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUT			11. Sec., T., R., M., or Block and Survey or Area Sec 12 T17S R30E Mer NMP		
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)			12. County or Parish EDDY		
			13. State NM		
			17. Elevations (DF, KB, RT, GL)* 3755 GL		

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	0	464		1000		0	
11.000	8.625 J-55	24.0	0	1310		500		0	
7.875	5.500 J-55	17.0	0	6161		1150		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	5845							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	4660	4910	4660 TO 4910	1.000	26	OPEN, Paddock
B) BLINEBRY	5750	5950	5210 TO 5410	1.000	26	OPEN, Upper Blinebry
C)			5480 TO 5680	1.000	26	OPEN, Middle Blinebry
D)			5750 TO 5950	1.000	26	OPEN, Lower Blinebry

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

Depth Interval	Amount and Type of Material
4660 TO 4910	ACIDIZED W/3528 GALS 15% HCL
4660 TO 4910	FRAC W/107,890 GALS GEL, 107,671# 16/30 WHITE SAND, 8,325# 16/30 SIBER PROP
5210 TO 5410	ACIDIZED W/3500 GALS 15% HCL
5210 TO 5410	FRAC W/123,638 GALS GEL, 147,830# 16/30 WHITE SAND, 27,194# 16/30 SIBER PROP

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
03/16/2011	03/21/2011	24	→	31.0	112.0	723.0	38.6	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
		70.0	→	31	112	723		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.	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 #105560 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

OCD- Artesia

RECEIVED
APR 13 2011
NMOCD ARTESIA

ACCEPTED FOR RECORD

APR 3 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	1472		DOLOMITE & SAND	YATES	1472
QUEEN	2350		SAND	QUEEN	2350
SAN ANDRES	3071		DOLOMITE & ANHYDRITE	SAN ANDRES	3071
GLORIETA	4553		SAND & DOLOMITE	GLORIETA	4553
YESO	4608		DOLOMITE & ANHYDRITE	YESO	4608
TUBB	6022			TUBB	6022

32. Additional remarks (include plugging procedure):

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

5480 - 5680 Acidized w/3500 gals 15% HCL.

5480 - 5680 Frac w/124,550 gals gel, 145,429# 16/30 White sand, 29,764# 16/30 Siber Prop

5750 - 5950 Acidized w/3571 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 #105560 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 (11KMS1269SE)

Name (please print) NETHA AARON

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 03/30/2011

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.

** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED **

Additional data for transaction #105560 that would not fit on the form

32. Additional remarks, continued

5750 - 5950 Frac w/124,935 gals gel, 146,612# 16/30 White sand, 32,393# 16/30
Siber Prop