

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: KANICIA CARRILLO E-Mail: kcarrillo@conchoresources.com		8. Lease Name and Well No. HARVARD FEDERAL 18	
3. Address 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79701-4287		9. API Well No. 30-015-37829-00-S1	
3a. Phone No. (include area code) Ph: 432-685-4332		10. Field and Pool, or Exploratory LOCO HILLS	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 12 T17S R30E Mer NMP At surface NWNW Lot D 405FNL 1101FEL At top prod interval reported below Sec 12 T17S R30E Mer NMP At total depth NWNW Lot D 977FNL 937FWL		11. Sec., T., R., M., or Block and Survey or Area Sec 12 T17S R30E Mer NMP	
14. Date Spudded 10/31/2010		15. Date T.D. Reached 11/10/2010	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 12/06/2010		17. Elevations (DF, KB, RT, GL)* 3765 GL	
18. Total Depth: MD 6318 TVD 62734		19. Plug Back T.D.: MD 6256 TVD 6211	
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 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	0	450		450		0	
11.000	8.625 J-55	24.0	0	1330		500		0	
7.875	5.500 J-55	17.0	0	6307		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	5839							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	4700	4970	4700 TO 4970	0.410	26	OPEN, PADDOCK
B) BLINEBRY	5690	5890	5150 TO 5350	0.410	26	OPEN, UPPER BLINEBRY
C)			5420 TO 5620	0.410	26	OPEN, MIDDLE BLINEBRY
D)			5690 TO 5890	0.410	26	OPEN, LOWER BLINEBRY

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

Depth Interval	Amount and Type of Material
4700 TO 4970	GALS GEL, 116946# 16/30 OTTAWA SAND, 19652# SUPER LC.
4700 TO 4970	GAL 15% ACID
5150 TO 5350	GALS GEL, 145980# 16/30 OTTAWA SAND, 31551# SUPER LC.
5150 TO 5350	GALS 15% ACID

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
12/18/2010	12/20/2010	24	→	114.0	657.0	394.0	36.7	0.60	BUREAU OF LAND MANAGEMENT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→	114	657	394		POW	

28a. Production - Interval B

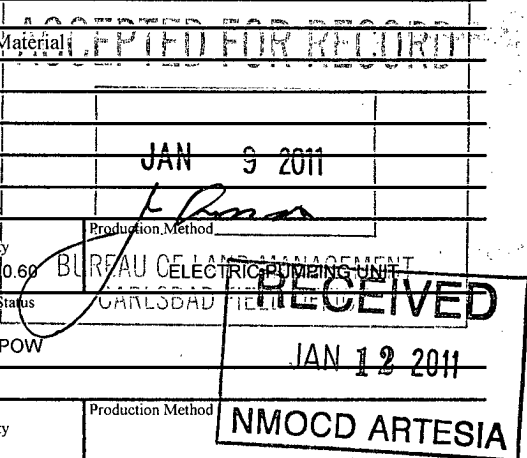
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

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

ELECTRONIC SUBMISSION #100050 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

MD



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.)
CAPTURED

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	1468		DOLOMITE & SAND	YATES	1468
QUEEN	2380		SAND	QUEEN	2380
SAN ANDRES	3123		DOLOMITE & ANHYDRITE	SAN ANDRES	3123
GLORIETA	4587		SAND & DOLOMITE	GLORIETA	4587
YESO	4649		DOLOMITE & ANHYDRITE		
TUBB	6060				

32. Additional remarks (include plugging procedure):

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

5420 - 5620 Acidize w/ 2,500 gals 15% acid.

5420 - 5620 Frac w/ 116,376 gals gel, 145,307# 16/30 ottawa sand, 30,019# Super LC.

5690 - 5890 Acidize w/ 2,500 gals 15% acid.

5690 - 5890 Frac w/ 116,586 gals gel, 147,256# 16/30 Ottawa sand, 30,483# Super LC.

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 #100050 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 01/05/2011 (11KMS0521SE)

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 01/05/2011

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 #100050 that would not fit on the form

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

Depth Interval	Amount and Type of Material
5420 TO 5620	GALS GEL, 145,307# 16/30 OTTAWA SAND, 30019# SUPER LC.
5420 TO 5620	GALS 15% ACID.
5690 TO 5890	GALS 15% ACID
5690 TO 5890	GALS GEL, 147256# 16/30 OTTAWA SAND, 30483# SUPER LC.