

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

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: PHYLLIS A EDWARDS E-Mail: pedwards@conchoresources.com			8. Lease Name and Well No. HARVARD FED 12		
3. Address 550 W TEXAS, STE 1300 FASKEN TOWER II MIDLAND, TX 79701			9. API Well No. 30-015-35961-00-S1		
3a. Phone No. (include area code) Ph: 432-685-4340			10. Field and Pool, or Exploratory LOCO HILLS		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 11 T17S R30E Mer NMP At surface NENE 700FNL 700FEL At top prod interval reported below Sec 11 T17S R30E Mer NMP At total depth NENE 330FNL 330FEL			11. Sec., T., R., M., or Block and Survey or Area Sec 11 T17S R30E Mer NMP		
12. County or Parish EDDY			13. State NM		
14. Date Spudded 11/23/2008			15. Date T.D. Reached 12/02/2008		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 01/01/2009			17. Elevations (DF, KB, RT, GL)* 3745 GL		
18. Total Depth: MD 6086 TVD			19. Plug Back T.D.: MD 6040 TVD		
20. Depth Bridge Plug Set: MD TVD			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATEDNEWT CCL		
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	417		475		0	
11.000	8.625 J-55	32.0	0	1325		600		0	
7.875	5.500 J-55	17.0	0	6085	1244	1200		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	5569							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA YESO			5060 TO 5260	0.410	36	OPEN
B) YESO	5600	5800	5330 TO 5530	0.410	36	OPEN
C)			5600 TO 5800	0.410	48	OPEN
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
5060 TO 5260	ACIDIZE W/ 60 BBLs 15% ACID. FRAC W/ 3980 BBLs SILVERSTIM.
5330 TO 5530	ACIDIZE W/ 60 BBLs 15% ACID. FRAC W/ 3570 BBLs SILVERSTIM.
5600 TO 5800	ACIDIZE W/ 60 BBLs 15% ACID. FRAC W/ 1584 BBLs SILVERSTIM.

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
01/04/2009	01/14/2009	24	→	93.0	61.0	465.0	36.4		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			→	93	61	465	656	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
01/04/2009	01/14/2009	24	→	93.0	61.0	465.0	36.4	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			→	93	61	465	656	POW	

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

ELECTRONIC SUBMISSION #67404 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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 QUEEN SAN ANDRES GLORIETA YESO	1435 2345 3081 4558 4638		DOLOMITE AND SAND SAND DOLOMITE AND ANHYDRITE SAND AND DOLOMITE DOLOMITE AND ANHYDRITE		

32. Additional remarks (include plugging procedure):

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 #67404 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 02/19/2009 (09KMS0871SE)

Name (please print) PHYLLIS A EDWARDSTitle REGULATORY ANALYSTSignature (Electronic Submission)Date 02/19/2009

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 ****

Revisions to Operator-Submitted EC Data for Well Completion #67404

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMLC029338B	NMLC029338B
Agreement:		
Operator:	COG OPERATING LLC 550 WEST TEXAS AVENUE SUITE 1300 MIDLAND, TX 79701 Ph: 432-685-4340	COG OPERATING LLC 550 W TEXAS, STE 1300 FASKEN TOWER II MIDLAND, TX 79701 Ph: 432.685.4340
Admin Contact:	PHYLLIS A EDWARDS REGULATORY ANALYST E-Mail: pedwards@conchoresources.com Ph: 432-685-4340 Fx: 432-685-4399	PHYLLIS A EDWARDS REGULATORY ANALYST E-Mail: pedwards@conchoresources.com Ph: 432-685-4340
Tech Contact:	PHYLLIS A EDWARDS REGULATORY ANALYST E-Mail: pedwards@conchoresources.com Ph: 432-685-4340 Fx: 432-685-4399	PHYLLIS A EDWARDS REGULATORY ANALYST E-Mail: pedwards@conchoresources.com Ph: 432-685-4340
Well Name: Number:	HARVARD FEDERAL 12	HARVARD FED 12
Location: State: County: S/T/R: Surf Loc:	NM EDDY Sec 11 T17S R30E Mer 700FNL 700FEL	NM EDDY Sec 11 T17S R30E Mer NMP NENE 700FNL 700FEL
Field/Pool:	LOCO HILLS; GLORIETA-YESO	LOCO HILLS
Logs Run:	COMPENSATED NEWTRON / CCL	COMPENSATEDNEWT CCL
Producing Intervals - Formations:	YESO YESO YESO	GLORIETA YESO YESO
Porous Zones:	YATES QUEEN SAN ANDRES GLORIETA YESO	YATES QUEEN SAN ANDRES GLORIETA YESO
Markers:		