

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAR 17 2009

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. NMNM118710	
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. HIGH LONESOME 23 FED COM 1H	
3. Address 550 W TEXAS, STE 1300 FASKEN TOWER II MIDLAND, TX 79701		9. API Well No. 30-015-35949-00-S1	
3a. Phone No. (include area code) Ph: 432-685-4340		10. Field and Pool, or Exploratory UNDESIGNATED 97197	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESE 900FSL 330FEL At top prod interval reported below Sec 23 T16S R29E Mer NMP At total depth SWSW 430FSL 330FWL		11. Sec., T., R., M., or Block and Survey or Area Sec 23 T16S R29E Mer NMP	
14. Date Spudded 12/11/2008		15. Date T.D. Reached 12/28/2008	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 02/18/2009		17. Elevations (DF, KB, RT, GL)* 3704 GL	
18. Total Depth MD TVD 11400		19. Plug Back T.D.: MD TVD 6800	
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	397		400		0	
12.250	9.625 K-55	40.0	0	2710		1000		0	
8.750	7.000 P-110	26.0	0	6690		700		0	
6.125	4.500 P-110	11.6	7309	11400					

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	6067							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) ABO						
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
TO 7668	bbbs 15% acid, frac w/ 4394 bbbs silverstim
TO 8198	bbbs 15% acid, frac w/ 3583 bbbs silverstim
TO 8514	bbbs 15% acid, frac w/ 3736 bbbs silverstim
TO 8916	bbbs 15% acid, frac w/ 2174 bbbs 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
02/18/2009			→						FLOW FROM WELL
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→					POW	MAR 15 2009

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
			→						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	CARLSBAD FIELD OFFICE
			→						

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

ELECTRONIC SUBMISSION #67811 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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MR2

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.)

OTHER

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	1100				
QUEEN	1870				
SAN ANDRES	2620				
GLORIETA	4050				
TUBB	5380				
ABO	6058				

32. Additional remarks (include plugging procedure):

1-19-09 Perfs @ 7668?, 8198?, 8514?, 8916?, 9317?, 9760?, 10,078?, 10,395?, & 10,892?
 2-11-09 Frac 9 stage upper Abo frac.
 1st stage acidize w/ 73 BBLS 15% acid. Frac w/ 3514 BBLS Silverstim.
 2nd stage acidize w/ 73 BBLS 15% acid. Frac w/ 4977 BBLS Silverstim.
 3rd stage acidize w/ 73 BBLS 15% acid. Frac w/ 4321 BBLS Silverstim.
 4th stage acidize w/ 73 BBLS 15% acid. Frac w/ 4511 BBLS Silverstim.
 5th stage acidize w/ 73 BBLS 15% acid. Frac w/ 2738 BBLS Silverstim.
 6th stage acidize w/ 73 BBLS 15% acid. Frac w/ 2174 BBLS Silverstim.

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 #67811 Verified by the BLM Well Information System.
 For COG OPERATING LLC, sent to the Carlsbad
 Committed to AFMSS for processing by KURT SIMMONS on 03/04/2009 (09KMS0955SE)

Name (please print) PHYLLIS A EDWARDS

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 03/04/2009

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 ****

Additional data for transaction #67811 that would not fit on the form

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

Depth Interval	Amount and Type of Material
TO 9317	bbbs 15% acid, frac w/ 2738 bbbs silverstim
TO 9760	bbbs 15% acid, frac w/ 4511 bbbs silverstim
TO 10078	bbbs 15% acid, frac w/ 4321 bbbs silverstim
TO 10395	bbbs 15% acid, frac w/ 4977 bbbs silverstim
TO 10892	bbbs 15% acid, frac w/ 3514 bbbs silverstim

32. Additional remarks, continued

7th stage acidize w/ 73 BBLS 15% acid. Frac w/ 3736 BBLS Silverstim.
8th stage acidize w/ 73 BBLS 15% acid. Frac w/ 3583 BBLS Silverstim.
9th stage acidize w/ 73 BBLS 15% acid. Frac w/ 4394 BBLS Silverstim.