

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FFR 18 2009

FORM APPROVED  
OMB No 1004-0137  
Expires July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5 Lease Serial No.  
NMLC028480A

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 type="checkbox"/> New Well <input type="checkbox"/> Work Over <input checked="" 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		8. Lease Name and Well No WESTERN FEDERAL 5	
Contact: ROBYN ODOM E-Mail: rodom@conchoresources.com			
3. Address 550 W TEXAS, STE 1300 FASKEN TOWER II MIDLAND, TX 79701		9. API Well No. 30-015-31777-00-S1	
3a. Phone No (include area code) Ph: 432-685-4385			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 30 T17S R29E Mer NMP At surface SWNE 2160FNL 2310FEL At top prod interval reported below At total depth		10. Field and Pool, or Exploratory E EMPIRE	
		11. Sec., T., R., M., or Block and Survey or Area Sec 30 T17S R29E Mer NMP	
		12. County or Parish EDDY	
		13. State NM	
14. Date Spudded 05/23/2001		15. Date T.D. Reached 01/09/2009	
		16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 01/28/2009	
17. Elevations (DF, KB, RT, GL)* 3638 GL			
18. Total Depth: MD 5669 TVD		19. Plug Back T.D.: MD 5549 TVD	
20. Depth Bridge Plug Set. MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL/FDC DLL COMPENSATED NEUT		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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.370 K-55	48.0	0	384		400		0	
12.250	8.625 J-55	24.0	0	928		475		0	
4.750	4.000 L80	11.6	0	4234		140		0	0
7.875	5.500 J-55	17.0	0	4360		740		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	4072		2.875	4242				

## 25. Producing Intervals

## 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	5100	5300	4500 TO 4700		32	OPEN
B)			4800 TO 5000		32	OPEN
C)			5100 TO 5300		48	OPEN
D)						

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

Depth Interval	Amount and Type of Material
3929 TO 4222	2500 GAL 15% + 32000 GAL 20% + 5000 15% HCL
3929 TO 4222	54000 GAL 40# GEL
4500 TO 4700	ACIDIZE W/59 5 BBLS ACID.
4500 TO 4700	FRAC W/3266 BBLS GEL, 209,662# 16/30 SAND.

## 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
01/28/2009	07/09/2001	24	→	125.0	130.0	433.0			
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→	125	130	433	1040	POW	

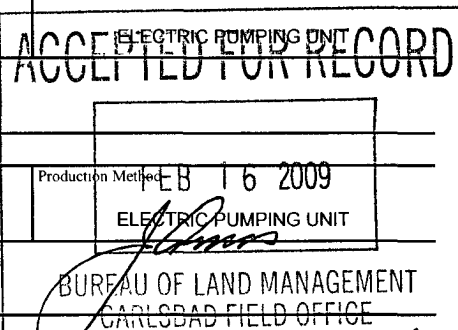
## 28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
01/28/2009	12/08/2008	24	→	5.0	42.0	1.0	38.8	0.60	
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
		70.0	→	5	42	1		POW	

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

ELECTRONIC SUBMISSION #66934 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* 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 Con 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 Con 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	775		DOLOMITE & SAND	QUEEN	1653
QUEEN	1655		SAND	SAN ANDRES	2368
SAN ANDRES	2370		DOLOMITE & ANHYDRITE	GLORIETA	3805
GLORIETA	3805		SAND & DOLOMITE	YESO	3877
PADDOCK	3920		DOLOMITE & ANHYDRITE		

32 Additional remarks (include plugging procedure).  
 Logs will be mailed.

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

5100 - 5300 Acidize w/60 bbls acid.  
 5100 - 5300 Frac w/3145 bbls gel, 186,400# 16/30 sand.

**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 #66934 Verified by the BLM Well Information System.  
 For COG OPERATING LLC, sent to the Carlsbad  
 Committed to AFMSS for processing by KURT SIMMONS on 02/04/2009 (09KMS0822SE)**

Name (please print) ROBYN ODOM

Title PERSON RESPONSIBLE

Signature (Electronic Submission)

Date 02/03/2009

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 #66934 that would not fit on the form**

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

<b>Depth Interval</b>	<b>Amount and Type of Material</b>
4800 TO 5000	ACIDIZE W/60 BBLS ACID.
4800 TO 5000	FRAC W/3165 BBLS GEL, 185,464# 16/30 SAND.