

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTRECEIVED
MAR 08 2010
NMOCD ARTESIAFORM 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			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			8. Lease Name and Well No. HOLDER CB FEDERAL 16		
3. Address 550 W TEXAS, STE 1300 FASKEN TOWER II MIDLAND, TX 79701			9. API Well No. 30-015-36671-00-S1		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NWSW 2310FSL 330FWL 32.84822 N Lat, 103.98455 W Lon At top prod interval reported below NWSW Lot L 2310FSL 330FWL 32.84803 N Lat, 103.98398 W Lon At total depth NWSW Lot L 2310FSL 330FWL 32.84803 N Lat, 103.98398 W Lon			10. Field and Pool, or Exploratory LOCO HILLS		
14. Date Spudded 12/05/2009			15. Date T.D. Reached 12/14/2009		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 01/12/2010			17. Elevations (DF, KB, RT, GL)* 3686 GL		
18. Total Depth: MD 6017 TVD 6017			19. Plug Back T.D.: MD 5971 TVD 5971		
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 H40	48.0	0	405		450		0	0
11.000	8.625 J55	24.0	0	1308		500		0	0
7.875	5.500 J55	17.0	0	6017		1000		0	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	5455							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO			4400 TO 4670	0.410	29	OPEN
B) PADDOCK	4400	4670	4850 TO 5050	0.410	26	OPEN
C) BLINEBRY	5480	5680	5170 TO 5370	0.410	26	OPEN
D)			5480 TO 5680	0.410	26	OPEN

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

Depth Interval	Amount and Type of Material
4400 TO 4670	ACIDIZE W/3,000 GALS 15% ACID.
4400 TO 4670	FRAC W/98,947 GALS GEL, 108,082# 16/30 BASF SAND, 18,682# 16/30 CRC.
4850 TO 5050	ACIDIZE W/3,500 GALS 15% ACID.
4850 TO 5050	FRAC W/113,602 GALS GEL, 148,580# 16/30 BASF SAND, 29,965# 16/30 CRC.

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
01/30/2010	01/30/2010	24	→	200.0	280.0	421.0	39.1		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	70.0	→	200	280	421	1400	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
01/30/2010	01/30/2010	24	→	200.0	280.0	421.0	39.1	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	70.0	→	200	280	421		POW	

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

ELECTRONIC SUBMISSION #81853 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

M

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 QUEEN SAN ANDRES GLORIETA YESO TUBB	1244 2135 2865 4274 4376 5817		DOLOMITE & SAND SAND DOLOMITE & ANHYDRITE SAND & DOLOMITE DOLOMITE & ANHYDRITE SAND		

32. Additional remarks (include plugging procedure):

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

5170-5370 ACIDIZE W/3,500 GALS 15% ACID.

5170-5370 FRAC W/114,044 GALS GEL, 144,958# 16/30 BASF SAND, 34,829# 16/30 CRC.

5480-5680 ACIDIZE W/3,500 GALS 15% ACID.

5480-5680 FRAC W/114,520 GALS GEL, 146,524# 16/30 BASF SAND, 27,566# 16/30 CRC.

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 #81853 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by CHERYLE RYAN on 02/25/2010 (10CMR0254SE)

Name(please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 02/24/2010

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 #81853 that would not fit on the form

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

Depth Interval	Amount and Type of Material
5170 TO 5370	ACIDIZE W/3500 GALS 15% ACID
5170 TO 5370	FRAC W/114044 GALS GEL, 144958# 16/30 BASF SAND, 34829# 16/30 CRC.
5480 TO 5680	ACIDIZE W/3500 GALS 15% ACID
5480 TO 5680	FRAC W/114520 GALS GEL, 146524# 16/30 BASF SAND, 27566# 16/30 CRC.