

ENTERED
2-10-10
26

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
NMOCD ARTESIA
JAN 21 2010

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC029338B

1a. Type of Well Oil Well Gas Well Dry Other
 b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
 Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator **COG OPERATING LLC** Contact: **KANICIA CARRILLO**
E-Mail: **kcarrillo@conchoresources.com**

8. Lease Name and Well No.
HARVARD FEDERAL 19

3. Address **550 W TEXAS, STE 1300 FASKEN TOWER II MIDLAND, TX 79701** 3a. Phone No. (include area code)
Ph: **432-685-4332**

9. API Well No.
30-015-37187-00-X1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **SWNW 1650FNL 330FWL**
 At top prod interval reported below **SWNW Lot E 1675FNL 330FWL 32.85156 N Lat, 103.93240 W Lon**
 At total depth **SWNW Lot E 1675FNL 330FWL 32.85156 N Lat, 103.93240 W Lon**

10. Field and Pool, or Exploratory
LOCO HILLS GLORIETA-YESO

11. Sec., T., R., M., or Block and Survey
or Area **Sec 12 T17S R30E Mer NMP**

12. County or Parish
EDDY 13. State
NM

14. Date Spudded **10/17/2009** 15. Date T.D. Reached **10/26/2009** 16. Date Completed
 D & A Ready to Prod
11/19/2009

17. Elevations (DF, KB, RT, GL)*
3748 GL

18. Total Depth: **MD 6088 TVD 6088** 19. Plug Back T.D.: **MD 6037 TVD 6037** 20. Depth Bridge Plug Set: **MD TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
COMPENSATED NEUT 22. Was well cored? No Yes (Submit analysis)
Was DST run? No Yes (Submit analysis)
Directional Survey? No 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	425		475		0	
17.500	13.375 H40	48.0	0	435		855		0	0
11.000	8.625 J55	24.0	0	1300		600		0	0
11.000	8.625 J55	24.0	0	1336		600		0	0
7.875	5.500 J55	17.0	0	6077		1200		0	0
7.875	5.500 J55	15.5	0	6100		1000		1100	

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	5651							

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO			5120 TO 5320	0.410	26	OPEN
B) BLINEBRY	5680	5880	5410 TO 5610	0.410	26	OPEN
C)			5680 TO 5880	0.410	26	OPEN
D)						

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

Depth Interval	Amount and Type of Material
5120 TO 5320	ACIDIZE W/3,500 GALS 15% ACID.
5120 TO 5320	FRAC W/121,262 GALS GEL, 145,980# 16/30 BASF SAND, 35,323# 16/30 SUPER LC
5410 TO 5610	ACIDIZE W/3,500 GALS 15% ACID.
5410 TO 5610	FRAC W/ 119,796 GALS GEL, 150,729# 16/30 BASF SAND, 28,709# 16/30 SUPER LC

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
11/25/2009	11/25/2009	24	→	123.0	128.0	343.0	36.7	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	→	123	128	343		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 #79646 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
 ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

ACCEPTED FOR RECORD
 /s/ Myles Kristof
 JAN 15 2010
 BUREAU OF LAND MANAGEMENT
 CARLSBAD FIELD OFFICE

PM

Mr

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	1439		DOLOMITE & SAND		
QUEEN	2337		SAND		
SAN ANDRES	3065		DOLOMITE & ANHYDRITE		
GLORIETA	4528		SAND & DOLOMITE		
YESO	4584		DOLOMITE & ANHYDRITE		
TUBB	5985		SAND		

32. Additional remarks (include plugging procedure):

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

5680-5880 ACIDIZE W/3,500 GALS 15% ACID.
5680-5880 Frac w/ 117,541 gals gel, 143,538# 16/30 BASF SAND, 34,165# 16/30 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 #79646 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by CHERYLE RYAN on 01/06/2010 (10CMR0189SE)**

Name (please print) KANICIA CARRILLO Title PREPARER

Signature _____ (Electronic Submission) Date 01/06/2010

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.

Additional data for transaction #79646 that would not fit on the form

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

Depth Interval	Amount and Type of Material
5680 TO 5880	ACIDIZE W/3,500 GALS 15% ACID.
5680 TO 5880	FRAC W/ 117,541 GALS GEL, 143,538# 16/30 BASF SAND, 34,165# 16/30 SUPER LC.