


 UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

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 OCD Artesia

MAR 02 2010

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG
 NMOCD ARTESIA**

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		5. Lease Serial No NMLC056551A	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ 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: KANICIA CARRILLO E-Mail: kcarrillo@conchoresources.com		8. Lease Name and Well No. HOLDER CB FEDERAL 18	
3. Address 550 W TEXAS, STE 1300 FASKEN TOWER II MIDLAND, TX 79701		9. API Well No. 30-015-36669-00-S1	
3a. Phone No (include area code) Ph: 432-685-4332		10. Field and Pool, or Exploratory LOCO HILLS	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 9 T17S R30E Mer NMP At surface SWSW 990FSL 330FWL 32.84459 N Lat, 103.98455 W Lon At top prod interval reported below At total depth		11. Sec, T, R, M, or Block and Survey or Area Sec 9 T17S R30E Mer NMP	
14. Date Spudded 11/10/2009		15. Date T.D. Reached 11/19/2009	
16. Date Completed ☐ D & A ☒ Ready to Prod. 12/09/2009		17. Elevations (DF, KB, RT, GL)* 3675 GL	
18. Total Depth: MD 6049 TVD 6049		19. Plug Back T.D.: MD 6004 TVD 6004	
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 Sks & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H40	48.0	0	449		450		0	0
11.000	8.625 J55	24.0	0	1222		500		0	0
7.875	5.500 J55	17.0	0	6049		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	5451							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) YESO			4370 TO 4658	0.410	29	OPEN
B) PADDOCK	4370	4658	4940 TO 5140	0.410	26	OPEN
C) BLINEBRY	5480	5680	5210 TO 5410	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
4370 TO 4658	ACIDIZE W/3,000 GALS 15% ACID
4370 TO 4658	FRAC W/99,672 GALS GEL, 98,675# 16/30 OTTAWA SAND, 8,683# 16/30 SIBERPROP SAND
4940 TO 5140	ACIDIZE W/2,500 GALS 15% ACID
4940 TO 5140	FRAC W/ 124,193 GALS GEL, 142,917# 16/30 OTTAWA SAND, 31,700# 16/30 SIBERPROP 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	Product on Method
12/11/2009	12/11/2009	24	→	195.0	310.0	640.0	39.2	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	70.0	→	195	310	640	1590	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	Product on Method
12/11/2009	12/11/2009	24	→	195.0	310.0	640.0	39.2	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	70.0	→	195	310	640		POW	

ACCEPTED FOR RECORD

Production Method

ELECTRIC PUMPING UNIT

FEB 13 2010

 WESLEY W. INGRAM
 PETROLEUM ENGINEER

ELECTRIC PUMPING UNIT

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

ELECTRONIC SUBMISSION #80271 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 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	1226		DOLOMITE & SAND	YATES	1226
QUEEN	2116		SAND	QUEEN	2116
SAN ANDRES	2848		DOLOMITE & ANHYDRITE	SAN ANDRES	2848
GLORIETA	4254		SAND & DOLOMITE	GLORIETA	4254
YESO	4330		DOLOMITE & ANHYDRITE	YESO	4330
TUBB	5790		SAND	TUBB	5790

32. Additional remarks (include plugging procedure):

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

5210 - 5410 ACIDIZE W/2,500 GALS 15% ACID.

5210 - 5410 Frac w/ 125,973 gals gel, 139,308# 16/30 OTTAWA SAND, 31,306# 16/30 SIBERPROP SAND

5480 - 5680 ACIDIZE W/2,500 GALS 15% ACID.

5480 - 5680 FRAC W/124,089 gals gel, 145,489# 16/30 OTTAWA SAND, 31,102# 16/30 SIBERPROP

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 #80271 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by KURT SIMMONS on 01/20/2010 (10KMS0508SE)

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 01/19/2010

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 ** REVISED ****

Additional data for transaction #80271 that would not fit on the form

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

Depth Interval	Amount and Type of Material
5210 TO 5410	ACIDIZE W/2,500 GALS 15% ACID
5210 TO 5410	FRAC W/ 125,973 GALS GEL, 139,308# 16/30 OTTAWA SAND, 31,306# 16/30 SIBERPROP SAND.
5480 TO 5680	ACIDIZE W/2,500 GALS 15% ACID.
5480 TO 5680	FRAC W/ 124,089 GALS GEL, 145,489# 16/30 OTTAWA SAND, 31,102# 16/30 SIBERPROP SAND.

32. Additional remarks, continued

SAND.