

RECEIVED

JUN 15 2010

NMOCD ARTESIA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC029342B

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 LLCContact: KANICIA CARRILLO
E-Mail: kcarrillo@conchoresources.com8. Lease Name and Well No.
POLARIS B FEDERAL 223. Address
550 W TEXAS, STE 1300 FASKEN TOWER II
MIDLAND, TX 797013a. Phone No. (include area code)
Ph: 432-685-43329. API Well No.
30-015-36708-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

Sec 9 T17S R30E Mer NMP

At surface NESE 1650FSL 330FEL 32.84637 N Lat, 103.96953 W Lon

At top prod interval reported below

At total depth

10. Field and Pool, or Exploratory
LOCO HILLS; Gloria-Yes ME11. Sec., T., R., M., or Block and Survey
or Area Sec 9 T17S R30E Mer NMP12. County or Parish
EDDY13. State
NM14. Date Spudded
03/04/201015. Date T.D. Reached
03/12/201016. Date Completed
☐ D & A ☒ Ready to Prod.
04/08/201017. Elevations (DF, KB, RT, GL)*
3684 GL18. Total Depth: MD
TVD 6014
601419. Plug Back T.D. MD
TVD 5960
596020. Depth Bridge Plug Set: MD
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
COMPENSATEDNEUT22. 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 H-40	48.0	0	435		1000		0	
11.000	8.625 J-55	24.0	0	1331		500		0	
7.875	5.500 J-55	17.0	0	6014		1000		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	5497							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA YESO			4460 TO 4740	0.410	29	OPEN
B) PADDOCK	4460	4740	5010 TO 5210	0.410	26	OPEN
C) BLINEBRY	5550	5750	5280 TO 5480	0.410	26	OPEN
D)			5550 TO 5750	0.410	26	OPEN

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

Depth Interval	Amount and Type of Material
4460 TO 4740	ACIDIZE W/2,500 GALS 15% ACID
4460 TO 4740	FRAC W/110,085 GALS GEL, 120,749# 16/30 WHITE SAND, 30,055# 16/30 CRC.
5010 TO 5210	ACIDIZE W/3,500 GALS 15% ACID
5010 TO 5210	FRAC W/ 116,452 GALS GEL, 148,239# 16/30 WHITE SAND, 31,342# 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
04/10/2010	04/14/2010	24	→	175 0	139 0	331 0	36.6		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	→	175	139	331	794	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
04/10/2010	04/14/2010	24	→	175 0	139 0	331 0	36.6	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	→	175	139	331		POW	

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

ELECTRONIC SUBMISSION #87516 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** 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	1273		DOLOMITE & SAND	YATES	1273
QUEEN	2148		SAND	QUEEN	2148
SAN ANDRES	2873		DOLOMITE & ANHYDRITE	SAN ANDRES	2873
GLORIETA	4315		SAND & DOLOMITE	GLORIETA	4315
YESO	4387		DOLOMITE & ANHYDRITE		
TUBB	5860		SAND		

32. Additional remarks (include plugging procedure):

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

5280 - 5480 ACIDIZE W/3,500 GALS 15% ACID.

5280 - 5480 FRAC W/ 113,653 GALS GEL, 146,457# 16/30 White SAND, 30,866# 16/30 CRC.

5550 - 5750 Acidize w/3,500 gals acid.

5550 - 5750 Frac w/ 113,092 gals gel, 146,273# 16/30 White SAND, 34,128# 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 #87516 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMS for processing by KURT SIMMONS on 06/09/2010 (10KMS1596SE)

Name (please print) KANICIA CARRILLOTitle PREPARER

Signature _____ (Electronic Submission)

Date 06/07/2010

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 #87516 that would not fit on the form

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

Depth Interval	Amount and Type of Material
5280 TO 5480	gal 15% acid
5280 TO 5480	gal gel, 146457# 16/30 White Sand, 30866# 16/30 CRC
5550 TO 5750	gal gel, 146273# 16/30 White Sand, 34128# 16/30 CRC
5550 TO 5750	gal acid

32. Additional remarks, continued