

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No
NMLC029020M

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr		7. Unit or CA Agreement Name and No.	
2. Name of Operator COG OPERATING LLC		8. Lease Name and Well No. CARMEN 3 FEDERAL COM 1H	
3. Address 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79701		9. API Well No. 30-015-39286-00-S1	
4. Location of Well (Report location clearly and in accordance with Federal requirements) At surface Lot E 2310FNL 330FWL At top prod interval reported below Lot E 2310FNL 330FWL At total depth Lot H 2260FNL 340FEL		10. Field and Pool, or Exploratory <i>Caro Hills</i> MAB-030-GLORIETA YESO	
14. Date Spudded 02/13/2012		15. Date T.D. Reached 03/02/2012	
16. Date Completed 04/05/2012		17. Elevations (DF, KB, RT, GL)* 3718 GL	
18. Total Depth MD 9130 TVD 4720		19. Plug Back T.D.: MD 8950 TVD 4540	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CN	
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 H-40	48.0	0	335		1900		0	
12.500	9.625 J-55	36.0	0	1351		1150		0	
8.750	7.000 L-80	26.0	0	4275		1600		0	
7.875	5.500 L-80	17.0	0	9125		1450		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	4191							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) YESO	4730	8900	4700 TO 5300	0.430	42	OPEN
B)			5500 TO 6500	0.430	60	OPEN
C)			6700 TO 7700	0.430	60	OPEN
D)			7900 TO 8900	0.430	60	OPEN

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

Depth Interval	Amount and Type of Material
4700 TO 5300	ACIDIZED W/ 2,000 GALS 15% ACID FRAC W/17,743 TREATED WTR, 20,670 GALS WTRFRAC, 244,428 GALS GEL,
4700 TO 5300	6,182# 100 MESH SAND, 371,968# 20/40 OTTAWA SAND, 105,713# CRC FLUSH W/173 BBLs LINEAR GEL.
5500 TO 5900	ACIDIZE W/ 1,000 GALS 15% ACID FRAC W/10,234 TREATED WTR, 11,946 GALS WTRFRAC, 173,269 GALS GEL,
5500 TO 5900	4,425# 100 MESH SAND, 225,035# 20/40 OTTAWA SAND, 46,821# 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
04/30/2012	05/17/2011	24	→	127.0	79.0	362.0	36.8	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	→	127	79	362	622	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 #141052 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

File amended w/formation tops

RECEIVED

JUN 26 2012

NMOC-ARTESIA

RECLAMATION
DUE 10-5-12

ACCEPTED FOR RECORD

JUN 23 2012

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Additional data for transaction #141052 that would not fit on the form

32. Additional remarks, continued

sand, 43,961# CRC

7300 - 7700 Acidized w/ 1,000 gals 15% acid. Frac w/12,015 gals treated wtr,
7300 - 7700 12,658 gals wtrfrac, 171,159 gals gel, 4014# 100 mesh, 254,683# 20/40 Ottawa
sand, 43,812# CRC

7900 - 8300 Acidized w/1,000 gals 15% acid. Frac w/14,139 gals treated wtr,
7900 - 8300 13,663 gals wtrfrac, 167,581 gals gel, 4679# 100 mesh, 238,829# 20/40 Ottawa
sand, 42,560# CRC Flush w/247bbls linear gel

8500 - 8900 Acidized w/1,000 gals 15% acid. Frac w/11,030 gals wtr frac,
8500 - 8900 172,479 gals gel, 4114# 100 mesh, 270,381# 20/40 Ottawa sand, 45,271# CRC

51. We did not run logs on the lateral section
Logs in the vertical section will be mailed

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
SALADO TANSILL RUSTLER QUEEN TUBB SAN ANDRES GLORIETA YESO			SALT SANDSTONE & DOLOMITE ANHYDRITE DOLOMITE & SANDSTONE DOLOMITE & SANDSTONE DOLOMITE & LIMESTONE SANDSTONE SANDSTONE & DOLOMITE	GLORIETA QUEEN RUSTLER SAN ANDRES TANSILL TOP SALT TUBB YESO	

32 Additional remarks (include plugging procedure):
44. Continued...

6100 - 6500 Acidized w/ 1,000 gals 15% acid. Frac w/17,273 gals treated wtr,
6100 - 6500 21,667 gals wtrfrac, 175,803 gals gel, 4021# 100 mesh sand, 268,799# 20/40
Ottawa sand, 43,006# CRC

6700 - 7100 Acidized w/ 1,000 gals 15% acid. Frac w/11,361 gals treated wtr,
6700 - 7100 16,808 gals wtrfrac, 166,190 gals gel, 3687# 100 mesh, 252,744# 20/40 Ottawa

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 #141052 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by BEVERLY WEATHERFORD on 06/21/2012 (12BMW0110SE)

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 06/19/2012

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 ****