

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

1a Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		5 Lease Serial No NMNM0397623	
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.	
3 Address 550 W TEXAS, STE 1300 FASKEN TOWER II MIDLAND, TX 79701		8 Lease Name and Well No FOLK FEDERAL 9	
4 Location of Well (Report location clearly and in accordance with Federal requirements) At surface Sec 17 T17S R29E Mer NMP NWNW 630FNL 330FWL		9 API Well No. 30-015-36169-00-S1	
At top prod interval reported below Sec 17 T17S R29E Mer NMP		10 Field and Pool, or Exploratory EMPIRE <i>GL-Vero East</i>	
At total depth NWNW 330FNL 330FWL		11 Sec, T., R., M., or Block and Survey or Area Sec 17 T17S R29E Mer NMP	
14 Date Spudded 10/01/2009		12 County or Parish EDDY	
15 Date T.D. Reached 10/07/2009		13 State NM	
16 Date Completed ☐ D & A ☒ Ready to Prod. 10/27/2009		17 Elevations (DF, KB, RT, GL)* 3644 GL	
18 Total Depth MD 5408 TVD 5397		19 Plug Back T.D. MD 5334 TVD 5334	
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 Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13 375 H-40	48.0	0	300		400		0	
17.500	13.375	48.0	0	313		400		0	0
11.000	8.625	24.0	0	842		400		0	0
12.250	8.625 J-55	24.0	0	850		400		0	
7.875	5.500	17.0	0	5394		900		0	0
7.875	5.500 J-55	15.5	0	5500		900		650	

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	4916							

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO			3959 TO 4141	0.410	29	OPEN
B) PADDOCK	3959	4141	4420 TO 4620	0.410	26	OPEN
C) BLINEBRY	4420	5160	4690 TO 4890	0.410	26	OPEN
D)			4960 TO 5160	0.410	27	OPEN

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

Depth Interval	Amount and Type of Material
3959 TO 4141	ACIDIZE W/4,158 GALS 10% ACID.
3959 TO 4141	FRAC W/106,247 GALS GEL, 105,998# 16/30 OTTAWA SAND, 17,211# 16/30 SIBERPROP SAND
4420 TO 4620	ACIDIZE W/3,500 GALS ACID.
4420 TO 4620	FRAC W/124,793 GALS GEL, 147,651# 16/30 OTTAWA SAND, 31,915# 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	Production Method
11/05/2009	11/06/2009	24	→	28.0	18.0	940.0	39.0		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		→	28	18	940		POW	

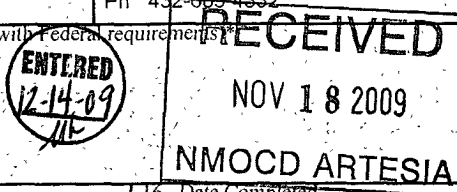
28a Production - Interval B

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 #77207 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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



ACCEPTED FOR RECORD

NOV 17 2009
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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 PADDOCK TUBB	837 1676 2406 3832 3891 5271		DOLOMITE & SAND SAND DOLOMITE & ANHYDRITE SAND & DOLOMITE DOLOMITE & ANHYDRITE SAND		

32 Additional remarks (include plugging procedure):

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

4690-4890 Acidize w/3,500 acid.

4690-4890 Frac w/125,515 gals gel, 147,065# 16/30 OTTAWA SAND, 32,699# 16/30 SIBERPROP SAND.

4960-5160 Acidize w/3,500 acid.

4960-5160 Frac w/124,770 gals gel, 149,043# 16/30 OTTAWA SAND, 30,784# 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 #77207 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 11/12/2009 (10KMS0238SE)

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 11/11/2009

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 ****