

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		6. If Indian, Allottee or Tribe Name	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other		7. Unit or CA Agreement Name and No.	
2. Name of Operator COG OPERATING LLC		8. Lease Name and Well No. POLARIS B FEDERAL 29	
3. Address 550 WEST TEXAS SUITE 100 MIDLAND, TX 79701		9. API Well No. 30-015-36665	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 500FSL 2310FEL 32.84304 N Lat, 103.97537 W Lon At top prod interval reported below 500FSL 2310FEL 32.84304 N Lat, 103.97537 W Lon At total depth 973FSL 2263FEL		10. Field and Pool, or Exploratory LOCO HILLS; GLORIETA YESO	
14. Date Spudded 01/01/2011		15. Date T.D. Reached 01/12/2011	
16. Date Completed ☐ D & A ☒ Ready to Prod. 01/28/2011		17. Elevations (DF, KB, RT, GL)* 3682 GL	
18. Total Depth: MD 6030 TVD 5999		19. Plug Back T.D.: MD 5983 TVD 5952	
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	459		450		0	
11.000	8.625 J55	24.0	0	1194		500		0	
7.875	5.500 J55	17.0	0	6030		1050		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	5621							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	4425	4700	4425 TO 4700	1.000	26	OPEN, PADDOCK
B) BLINEBRY	4990	5190	4990 TO 5190	1.000	26	OPEN, UPPER BLINEBRY
C) BLINEBRY	5260	5460	5260 TO 5460	1.000	26	OPEN, MIDDLE BLINEBRY
D) BLINEBRY	5530	5730	5530 TO 5730	1.000	26	OPEN, LOWER BLINEBRY

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

Depth Interval	Amount and Type of Material
4425 TO 4700	ACIDIZED W/4355 GALS 15% HCL
4425 TO 4700	FRAC W/118,964 GALS GEL, 125,101# 16/30 OTTAWA SAND, 24,392# 16/30 SIBERPROP
4990 TO 5190	ACIDIZED W/3621 GALS 15% HCL
4990 TO 5190	FRAC W/124,645 GALS GEL, 145,900# 16/30 OTTAWA SAND, 32,067# 16/30 SIBERPROP

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
02/13/2011	02/22/2011	24	→	146.0	174.0	445.0	39.2	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	
	SI	70.0	→					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	
	SI		→						

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

ELECTRONIC SUBMISSION #103400 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

RECEIVED

MAR 15 2011

NMOCD ARTESIA

ACCEPTED FOR RECORD

MAR 12 2011

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	1210		DOLOMITE & SAND	YATES	1210
QUEEN	2112		SAND	QUEEN	2112
SAN ANDRES	2850		SOLOMITE & ANHYDRITE	SAN ANDRES	2850
GLORIETTA	4285		SAND & DOLOMITE	GLORIETTA	4285
YESO	4388		DOLOMITE & ANHYDRITE	YESO	4388
TUBB	5845			TUBB	5845

32. Additional remarks (include plugging procedure):

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

5260 - 5460 Acidized w/3751 gals 15% HCL
 5260 - 5460 Frac w/116,295 gals gel, 146,333# 16/30 Ottawa sand, 14,018# 16/30 Siberprop
 5530 - 5730 Acidized w/3500 gals 15% HCL
 5530 - 5730 Frac w/122,965 gals gel, 145,120# 16/30 Ottawa sand, 31,262# 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 #103400 Verified by the BLM Well Information System.
 For COG OPERATING LLC, sent to the Carlsbad

Name (please print) NETHA AARON

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 02/28/2011

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.

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