

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

AUG 27 2008  
OCD-ARTESIA

FORM 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 LLC** Contact: **KANICIA CARRILLO**  
E-Mail: **kcarrillo@conchoresources.com**

8. Lease Name and Well No.  
**POLARIS B FEDERAL 19**

3 Address **550 W TEXAS, STE 1300 FASKEN TOWER II MIDLAND, TX 79701** 3a Phone No. (include area code)  
Ph: **432-685-4332**

9. API Well No  
**30-015-35966-00-S1**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 Sec 17 T17S R30E Mer NMP  
 At surface **SENW 1800FNL 2310FWL**  
 At top prod interval reported below  
 At total depth

10 Field and Pool, or Exploratory  
**LOCO HILLS**

11. Sec, T., R., M., or Block and Survey  
or Area **Sec 17 T17S R30E Mer NMP**

12. County or Parish **EDDY** 13. State **NM**

14 Date Spudded **06/12/2008** 15. Date T D. Reached **06/22/2008** 16. Date Completed  
 D & A  Ready to Prod.  
**07/11/2008**

17. Elevations (DF, KB, RT, GL)\*  
**3666 GL**

18. Total Depth **MD 5851 TVD** 19 Plug Back T D.: **MD 5798 TVD** 20. Depth Bridge Plug Set: **MD TVD**

21 Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**COMPENSATEDNEUT** 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		432		450		0	250
11.000	8.625 J55	32.0		1311		600		0	197
7.875	5.500 J55	17.0		5850		1100		0	150
17.500	13.375 H-40	48.0	0	432		450		0	
11.000	8.625 J-55	32.0	0	1311		600		0	
7.875	5.500 J-55	17.0	0	5850		1100		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	4722							

25. Producing Intervals			26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) GLORIETA YESO			4860 TO 5060	0.410	36	OPEN
B) YESO	5480	5680	5160 TO 5360	0.410	36	OPEN
C)			5480 TO 5680	0.410	48	OPEN
D)						

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

Depth Interval	Amount and Type of Material
4860 TO 5060	ACIDIZE W/2,500 GALS ACID FRAC W/118,548 GALS GEL, 148,480# 16/30 SAND 32,200# CRC SAND
5160 TO 5360	ACIDIZE W/3,500 GALS ACID FRAC W/121,881 GALS GEL, 148,440# 16/30 SAND, 39,570# CRC SAND
5480 TO 5680	ACIDIZE W/3,500 GALS ACID FRAC W/128,016 GALS GEL, 148,440# 16/30 SAND, 31,770# CRC 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
07/14/2008	07/21/2008	24	→	183.0	328.0	396.0	38.7		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	
			→	183	328	396		PDW	

**ACCEPTED FOR RECORD**  
 AUG 24 2008  
 BUREAU OF LAND MANAGEMENT  
 CARLSBAD FIELD OFFICE

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	
			→						

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	1170				
QUEEN	2050				
YESO	4280				
TUBB	5750				

32. Additional remarks (include plugging procedure).  
Logs will be mailed.

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 #62406 Verified by the BLM Well Information System.**  
For COG OPERATING LLC, sent to the Carlsbad  
Committed to AFMSS for processing by KURT SIMMONS on 08/21/2008 (08KMS2494SE)

Name (please print) KANICIA CARRILLO Title PREPARER

Signature (Electronic Submission) Date 08/19/2008

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