Form 3160-4
(August 2007)

ENTERED 7-30-09

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: NMNM0467931

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.: ELECTRA FEDERAL 27

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.: 30-015-36741-00-S1

4 Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface Sec 10 T17S R30E Mer NMP NWNW 330FNL 990FWL

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 10 T17S R30E Mer NMP

12 County or Parish: EDDY
13. State: NM

14 Date Spudded: 05/02/2009
15. Date T D. Reached: 05/12/2009
16. Date Completed ☐ D & A ☒ Ready to Prod. 06/04/2009
17 Elevations (DF, KB, RT, GL)*: 3709 GL

18 Total Depth: MD 6008 TVD 6008
19. Plug Back T D : MD 5927 TVD 5927
20. Depth Bridge Plug Set: MD TVD

21 Type Electric & Other Mechanical Logs Run (Submit copy of each)
CNL

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 J-55	48.0	0	430		1280		0	
11.000	8 625 J-55	24.0	0	1347		500		0	
7.875	5 500 J-55	17 0	0	6008		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	5683							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A)	GLORIETA-YESO			4539 TO 4776	0 410	29	OPEN
B)	PADDOCK	4539	4776	5000 TO 5200	0.410	36	OPEN
C)	BLINEBRY	5540	5740	5270 TO 5470	0.410	36	OPEN
D)				5540 TO 5740	0.410	48	OPEN

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

Depth Interval	Amount and Type of Material
4539 TO 4776	ACIDIZE W/3000 GALS 15% ACID
4539 TO 4776	FRAC W/123825 GALS GEL, 140287# 16/30 SAND, 15283# SIBERPROP
5000 TO 5200	ACIDIZE W/3,500 GALS 15% ACID
5000 TO 5200	FRAC W/ 128201 GALS GEL, 146619# 16/30 SAND, 31061# 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
06/16/2009	06/17/2009	24	→	173 0	109 0	631 0	37 5	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	→	173	109	631	630	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
06/16/2009	06/17/2009	24	→	173 0	109 0	631 0	37.5	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	→	173	109	631		POW

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

ELECTRONIC SUBMISSION #71147 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

ACCEPTED FOR RECORD
JUL 22 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	1335		DOLOMITE & SAND	YATES	1335
QUEEN	2240		SAND	QUEEN	2240
SAN ANDRES	2965		DOLOMITE & ANHYDRITE	SAN ANDRES	2965
GLORIETA	4445		SAND & DOLOMITE	GLORIETA	4445
YESO	4510		DOLOMITE & ANHYDRITE	YESO	4510
TUBB	5910		SAND		

32 Additional remarks (include plugging procedure)
Acid, Fracture, Treatment, Cement Squeeze etc. continued .

5270-5470 ACIDIZE W/3500 GALS 15% ACID.
5270-5470 FRAC W/ 129498.GALS GEL, 143861# 16/30 SAND, 32014# SIBERPROP.

5540-5740 ACIDIZE W/3500 GALS 15% ACID.
5540-5740 FRAC W/129739 GALS GEL, 145625# 16/30 SAND, 32163# 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 #71147 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 06/19/2009 (09KMS1639SE)

Name *(please print)* KANICIA CARRILLO Title PREPARER

Signature (Electronic Submission) Date 06/18/2009

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 fradulent statements or representations as to any matter within its jurisdiction.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

Additional data for transaction #71147 that would not fit on the form

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

Depth Interval	Amount and Type of Material
5270 TO 5470	ACIDIZE W/3,500 GALS 15% ACID
5270 TO 5470	FRAC W/ 129489 GALS GEL, 143861# 16/30 SAND, 32014# SIBERPROP
5540 TO 5740	ACIDIZE W/3500 GALS 15% ACID
5540 TO 5740	FRAC W/ 129739 GALS GEL, 145625# 16/30 SAND, 32163# SIBERPROP

32. Additional remarks, continued