Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
MAY 27 2010
HOBBSOCD

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMLC029509B

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.: JC FEDERAL 19

3. Address: 550 W TEXAS AVE SUITE 1300, MIDLAND, TX 79701
3a. Phone No. (include area code): Ph: 432-685-4332

9. API Well No.: 30-025-38995-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface: Sec 22 T17S R32E Mer NMP SWNE 2160FNL 2310FEL 32.82129 N Lat, 103.75269 W Lon
At top prod interval reported below: Sec 22 T17S R32E Mer NMP
At total depth: SWNE 2160FNL 2310FEL 32.82129 N Lat, 103.75269 W Lon

10. Field and Pool, or Exploratory: MALJAMAR

11. Sec., T., R., M., or Block and Survey or Area: Sec 22 T17S R32E Mer NMP

12. County or Parish: LEA
13. State: NM

14. Date Spudded: 03/03/2010
15. Date T.D. Reached: 03/12/2010
16. Date Completed: ☐ D & A ☒ Ready to Prod 04/12/2010
17. Elevations (DF, KB, RT, GL)*: 4002 GL

18. Total Depth: MD 7042 TVD 7042
19. Plug Back T.D.: MD 6962 TVD 6962
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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	0	837		650		0	
11.000	8.625 J-55	32.0	0	2104		600		0	
7.875	5.500 L-80	17.0	0	7018		1150		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	6511							

25. Producing Intervals / 26 Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A)	YESO			5480 TO 5600	0.000	21	OPEN
B)	PADDOCK	5480	5600	6020 TO 6220	0.000	26	OPEN
C)	BLINEBRY	6560	6760	6290 TO 6490	0.000	26	OPEN
D)				6560 TO 6760	0.000	26	OPEN

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

Depth Interval	Amount and Type of Material
5480 TO 5600	ACIDIZE W/3,000 GALS 15% ACID
6020 TO 6220	FRAC W/103,214 GALS GEL, 109,246# 16/30 OTTAWA SAND, 5,645# 16/30 SIBERPROP SAND
6290 TO 6490	ACIDIZE W/3,500 GALS 15% ACID.
6290 TO 6490	gal gel, 146173# 16/30 Ottawa Sand, 32213# 16/30 Siberprop sand

ACCEPTED FOR RECORD
MAY 22 2010
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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
04/24/2010	04/28/2010	24	→	161 0	252 0	755 0	38.0		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	70 0	→	161	252	755	1565	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
04/24/2010	04/28/2010	24	→	161 0	252 0	755 0	38.0	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	→	161	252	755		POW

AUG 04 2010
PETROLEUM ENGINEER

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #86027 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

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	2152		DOLOMITE & SAND		
QUEEN	3106		SAND		
SAN ANDRES	3895		DOLOMITE & ANHYDRITE		
GLORIETTA	5382		SAND & DOLOMITE		
YESO	5466		DOLOMITE & ANHYDRITE		
TUBB	6892				

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

6290 - 6490 ACIDIZE W/3,500 GALS 15% ACID.
6290 - 6490 Frac w/ 124,882 gals gel, 146,173# 16/30 Ottawa sand, 32,213# 16/30 Siberprop sand.

6560 - 6760 ACIDIZE W/3,500 GALS 15% ACID.
6560 - 6760 FRAC W/124,467 gals gel, 143,754# 16/30 Ottawa sand, 31,579# 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 #86027 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by KURT SIMMONS on 05/07/2010 (10KMS0472SE)

Name *(please print)* KANICIA CARRILLO Title PREPARER

Signature (Electronic Submission) Date 05/05/2010

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 #86027 that would not fit on the form

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

Depth Interval	Amount and Type of Material
6290 TO 6490	gal 15% acid
6560 TO 6760	FRAC W/ 124,445 GALS GEL, 145,529# 16/30 OTTAWA SAND, 31,286# 16/30 SIBERPROP SAND.
6560 TO 6760	gal 15% acid
6560 TO 6760	gal gel, 143754# 16/30 Ottawa Sand, 31579# 16/30 Siberprop sand

32. Additional remarks, continued

sand.