

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

b Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff Resvr
Other

2 Name of Operator **COG OPERATING LLC** Contact **KANICIA CARRILLO**
E-Mail **kcarrillo@conchoresources.com**

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

4 Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 22 T17S R32E Mer NMP
At surface **NESW 1450FSL 1650FWL 32 84490 N Lat, 103.97108 W Lon**
At top prod interval reported below
At total depth

5 Lease Serial No **NMLC029509B**

6 If Indian, Allottee or Tribe Name

7 Unit or CA Agreement Name and No

8 Lease Name and Well No **JC FEDERAL 23**

9 API Well No **30-025-39164-00-S1**

10 Field and Pool, or Exploratory **MALJAMAR - Yeso West**

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 **07/23/2009** 15 Date T.D. Reached **08/04/2009** 16 Date Completed ☐ D & A ☒ Ready to Prod
08/28/2009

17 Elevations (DF, KB, RT, GL)* **4006 GL**

18. Total Depth MD **7119** TVD **7119** 19. Plug Back T.D MD **7045** TVD **7045** 20 Depth Bridge Plug Set MD **7045** 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 H-40	48.0	0	825		650		0	
11.000	8.625 J-55	32.0	0	2118		700		0	
7.875	5.500 L-80	17.0	0	7119		1300		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	6721							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) YESO			5482 TO 5546	0.000	18	OPEN
B) PADDOCK	5482	5546	5980 TO 6180	0.000	26	OPEN
C) BLINEBRY	5980	6720	6250 TO 6450	0.000	26	OPEN
D)			6520 TO 6720	0.000	29	OPEN

26. Perforation Record

27 Acid, Fracture, Treatment, Cement Squeeze, Etc

Depth Interval	Amount and Type of Material
5482 TO 5546	ACIDIZE W/2500 GALS 15% ACID
5482 TO 5546	FRAC W/105,477 GALS GEL, 114,500# 16/30 BASF SAND, 21,900# 16/30 SUPER LC
5980 TO 6180	ACIDIZE W/3500 GALS 15% ACID.
5980 TO 6180	FRAC W/ 117,283 GALS GEL, 146,900# 16/30 BASF SAND, 33,000# 16/30 SUPER LC

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
09/17/2009	09/17/2009	24	→	162.0	77.0	414.0	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	→	162	77	414		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 #75474 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

ACCEPTED FOR RECORD
/s/ Chris Walls
OCT 21 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 GLORIETTA YESO TUBB	2146 3108 3903 5374 5475 6888		DOLOMITE & SAND SAND DOLOMITE & ANHYDRITE SAND & DOLOMITE DOLOMITE & ANHYDRITE SAND		

32. Additional remarks (include plugging procedure):

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

5980-6180 ACIDIZE W/3,500 GALS 15% ACID.

5980-6180 FRAC W/ 116,838 GALS GEL, 147,800# 16/30 BASF Sand, 31,300# 16/30 SUPER LC.

6520-6720 Acidize w/3,500 gals acid

6520-6720 Frac w/116,767 gals gel, 152,000# 16/30 BASF sand, 27,300# 16/30 SUPER LC.

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 #75474 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by KURT SIMMONS on 10/13/2009 (10KMS0040SE)

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 10/12/2009

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 ** REVISED ****