

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD

MAY 25 2011

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: NETHA AARON

E-Mail: oaron@conchoresources.com

8. Lease Name and Well No.
JC FEDERAL 51

3. Address 550 WEST TEXAS AVENUE SUITE 100
MIDLAND, TX 79701-4287

3a. Phone No. (include area code)
Ph: 432-818-2319

9. API Well No.
30-025-39481-00-S1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

Sec 22 T17S R32E Mer NMP

At surface NESW 1375FSL 2023FWL 32.817151 N Lat, 103.756026 W Lon

At top prod interval reported below

Sec 22 T17S R32E Mer NMP

At total depth NESW 1710FSL 2270FWL

10. Field and Pool, or Exploratory
MALJAMAR Yeso, W

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
03/08/2011

15. Date T.D. Reached
03/24/2011

16. Date Completed
☐ D & A ☒ Ready to Prod.
04/19/2011

17. Elevations (DF, KB, RT, GL)*
4002 GL

18. Total Depth: MD 7130
TVD 7097

19. Plug Back T.D.: MD 7065
TVD 7032

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 H-40	48.0	0	844		650		0	
11.000	8.625 J-55	32.0	0	2113		600		0	
7.875	5.500 L-80	17.0	0	7120		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	6884							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	5514	5662	5514 TO 5662	1.000	22	OPEN, Paddock
B) BLINEBRY	6750	6950	6210 TO 6410	1.000	26	OPEN, Upper Blinebry
C)			6480 TO 6680	1.000	26	OPEN, Middle Blinebry
D)			6750 TO 6950	1.000	26	OPEN, Lower Blinebry

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

Depth Interval	Amount and Type of Material
5514 TO 5662	ACIDIZED W/1974 GALS 15% HCL
5514 TO 5662	FRAC W/102,558 GALS GEL, 115,094# 16/30 OTTAWA SAND, 13,224# 16/30 SIBERPROP
6210 TO 6410	ACIDIZE W/3500 GALS 15% HCL
6210 TO 6410	FRAC W/130,649 GALS GEL, 148,119# 16/30 OTTAWA SAND, 28,935# 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
04/20/2011	04/23/2011	24	→	126.0	166.0	222.0	39.0	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI	70	70.0	→	126	166	222		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.	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 #107504 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

K2

ACCEPTED FOR RECORD
MAY 15 2011
[Signature]

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	2144		DOLOMITE & SAND	YATES	2144
SAN ANDRES	3911		DOLOMITE & ANHYDRITE	SAN ANDRES	3911
GLORIETTA	5417		SAND & DOLOMITE	GLORIETTA	5417
YESO	5512		DOLOMITE & ANHYDRITE	YESO	5512
TUBB	6959			TUBB	6959

32. Additional remarks (include plugging procedure):

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

6480 - 6680 Acidized w/3500 gals 15% HCL.

6480 - 6680 Frac w/126,136 gals gel, 151,432# 16/30 Ottawa sand, 30,354# 16/30 SiberProp

6750 - 6950 Acidized w/3500 gals 15% HCL.

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 #107504 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Hobbs

Committed to AFMSS for processing by KURT SIMMONS on 05/12/2011 (11KMS0713SE)

Name (please print) NETHA AARON

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 05/03/2011

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.

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

Additional data for transaction #107504 that would not fit on the form

32. Additional remarks, continued

6750 - 6950 Frac w/123,640 gals gel, 147,302# 16/30 Ottawa sand,
29,117# 16/30 SiberProp

LOGS WILL BE MAILED