

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOGS

RECEIVED
MAY 11 2009
HOBBS
SOCIETY

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

1a Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		5 Lease Serial No NMLC029509B	
b Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr Other		6 If Indian, Allottee or Tribe Name	
2 Name of Operator COG OPERATING LLC		7 Unit or CA Agreement Name and No.	
Contact: KANICIA CARRILLO E-Mail kcarrillo@conchoresources.com		8 Lease Name and Well No. JC FEDERAL 21	
3 Address 550 W TEXAS AVE SUITE 1300 MIDLAND, TX 79701		9 API Well No. 30-025-39088-00-S1	
3a Phone No (include area code) Ph 432-685-4332		10 Field and Pool, or Exploratory MALJAMAR, YESO, WEST	
4 Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 22 T17S R32E Mer NMP At surface NESW 2385FSL 2358FWL 32.81928 N Lat, 103 75466 W Lon		11 Sec., T., R., M., or Block and Survey or Area Sec 22 T17S R32E Mer NMP	
At top prod interval reported below Sec 22 T17S R32E Mer NMP		12 County or Parish LEA	
At total depth NESW 2385FSL 2358FWL 32 81928 N Lat, 103.75466 W Lon		13 State NM	
14 Date Spudded 03/16/2009	15 Date T.D Reached 03/27/2009	16 Date Completed ☐ D & A ☒ Ready to Prod 04/21/2009	
17 Elevations (DF, KB, RT, GL)* 4002 GL			
18 Total Depth MD 7015 TVD 7015	19 Plug Back T D MD 6895 TVD 6895	20. Depth Bridge Plug Set. MD TVD	
21 Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUT		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	813		700		0	
11 000	8 625 J-55	32.0	0	2113		900		0	
7 875	5.500 L-80	17.0	0	7008		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	6537							

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) YESO			5484 TO 5600	0.000	19	OPEN
B) PADDOCK	5484	5600	6060 TO 6260	0.000	29	OPEN
C) BLINEBRY	6600	6800	6330 TO 6530	0.000	29	OPEN
D)			6600 TO 6800	0.000	48	OPEN

27 Acid, Fracture, Treatment, Cement Squeeze, Etc

Depth Interval	Amount and Type of Material
5484 TO 5600	ACIDIZE W/3300 GALS 15% ACID
5484 TO 5600	FRAC W/96,295 GALS GEL, 94.853# 16/30 SAND
6060 TO 6260	ACIDIZE W/2500 GALS 15% ACID
6060 TO 6260	FRAC W/116,312 GALS GEL, 145,118# 16/30 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
04/21/2009	04/24/2009	24	→	186.0	148.0	946.0	39.8	
Choke Size	Thg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status
			→	186	148	946	796	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
04/21/2009	04/24/2009	24	→	186.0	148.0	946.0	39.8	0.60	ELECTRIC PUMPING UNIT
Choke Size	Thg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
	70	70.0	→	186	148	946		POW	

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

ELECTRONIC SUBMISSION #69446 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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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	1bg 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	1bg 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	2140		DOLOMITE & SAND		
QUEEN	3087		SAND		
SAN ANDRES	3862		DOLOMITE & ANHYDRITE		
YESO	5480		DOLOMITE & ANHYDRITE		

32 Additional remarks (include plugging procedure)

Logs will be mailed.

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

6330-6530 ACIDIZE W/2500 GALS 15% ACID.

6330-6530 FRAC W/114,618 GALS GEL, 140,670# 16/30 SAND

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 #69446 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Hobbs

Committed to AFMSS for processing by KURT SIMMONS on 04/27/2009 (09KMS0687SE)

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 04/27/2009

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 **

^ Additional data for transaction #69446 that would not fit on the form

32. Additional remarks, continued

6600-6800 ACIDIZE W/2500 GALS 15% ACID
6600-6800 FRAC W/ 117,227 GALS GEL, 143,811# 16/30 SAND.