

AMENDED TO SHOW PADDOCK PERFS

OCD-ARTESA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007Month-Year
MAR 29 2007
OCD - ARTESA, NM

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other

b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.,
Other _____

2. Name of Operator **COG Operating LLC**

3. Address **550 W. Texas, Suite 1300, Midland, TX 79701**

3a. Phone No. (include area code)
432-685-4340

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface **330' FNL & 430' FWL, Unit D**
At top prod. interval reported below
At total depth

5. Lease Serial No. **LC-054988B**

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
Jenkins B Federal #18

9. AFI Well No.
30-015-34474

10. Field and Pool, or Exploratory
Loco Hills; Paddock 96718

11. Sec., T., R., M., on Block and Survey or Area **Sec 20, T17S, R30E**

12. County or Parish **Eddy** 13. State **NM**

14. Date Spudded **02/06/2006** 15. Date T.D. Reached **02/20/2006** 16. Date Completed **03/17/2006**
☐ D & A ☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
3641' GL

18. Total Depth: MD **6,401'** TVD
19. Plug Back T.D.: MD **6389'** TVD
20. Depth Bridge Plug Set: MD **None** TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
On file

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2	13-3/8	48		425		449 sx		Surface	
12-1/4	8-5/8	24		1047		525 sx		Surface	
7-7/8	5-1/2	17		6389		1505 sx		Surface	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8	6203	None						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Paddock			4260.5' - 4629.5'	1 SPF	75	Open
B) Blinberry			5082.5' - 5412.5'	2 SPF	60	Open
C) Drinkard			5984.5' - 6181.5'	2 SPF	68	Open
D)						

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

Depth Interval	Amount and Type of Material
4260.5' - 4629.5'	Acidize w/ 4000 gals acid. Hot acid job: 32,000 gals heated 20% HCL & 54,000 gals 40# heated gel.
5082.5' - 5412.5'	Acidize w/ 2500 gals acid.
	Frac perfs w/ 8000# LiteProp, 41,487 gals 30# gel, 90,000# 16/30 sand, 53,718 gals 40# gel.
5984.5' - 6181.5'	Acidize w/2500 gals acid. Frac w/ 8032# LiteProp, 43,176 gals 30# gel, 91,140# 16/30 sand & 54,520# 40# gel.

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
03/20/2006	03/20/2006	24	→	91	118	275	39.8		Pumping
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					Producing	

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 page 2)

ACCEPTED FOR RECORD

MAR 28 2007

WESLEY W. INGRAM
PETROLEUM ENGINEER

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	1100				
7 RVS	1394				
Queen	2016				
Grayburg	2400				
San Andres	2738				
Glorieta	4183				
Paddock	4251				
Blinberry	4867				
Drinkard	5758				

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

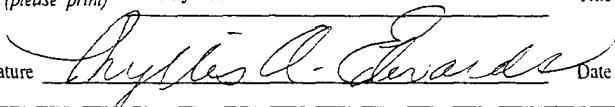
- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Phyllis A. Edwards

Title Regulatory Analyst

Signature



Date

03/26/2007

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.