

OCD COPY



AMENDED TO SHOW PADDOCK PERFS

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Month - Year  
MAR 27 2007  
OCD - ARTESIA, NM

FORM APPROVED  
OMB NO. 1004-0137  
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. <b>LC-054988B</b>	
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resrv.		6. If Indian, Allottee or Tribe Name	
Other		7. Unit or CA Agreement Name and No.	
2. Name of Operator <b>COG Operating LLC</b>		8. Lease Name and Well No. <b>Jenkins B Federal #18</b>	
3. Address <b>550 W. Texas, Suite 1300, Midland, TX 79701</b>		9. AFI Well No. <b>30-015-34474</b>	
3a. Phone No. (include area code) <b>432-685-4340</b>		10. Field and Pool, or Exploratory <b>Loco Hills; Paddock 96718</b>	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface <b>330' FNL &amp; 430' FWL, Unit D</b> At top prod. interval reported below At total depth		11. Sec., T., R., M., on Block and Survey or Area <b>Sec 20, T17S, R30E</b>	
14. Date Spudded <b>02/06/2006</b>		12. County or Parish <b>Eddy</b>	
15. Date T.D. Reached <b>02/20/2006</b>		13. State <b>NM</b>	
16. Date Completed <b>03/17/2006</b> <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* <b>3641' GL</b>	
18. Total Depth: MD <b>6,401'</b> TVD		19. Plug Back T.D.: MD <b>6389'</b> TVD	
20. Depth Bridge Plug Set: MD <b>None</b> TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>On file</b>	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)			

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Casing Cementer 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 perms 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	→	66	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)

## 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				
Blinbry	4867				
Drinkard	5758				

## 32. Additional remarks (include plugging procedure):

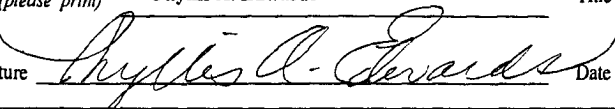
## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Month - Year  
MAR 27 2007  
OCD - ARTESIA, NM

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

OCD COPY

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

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

2. Name of Operator  
COG Operating LLC

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

330' FNL & 430' FWL  
Unit D, Section 20, T17S, R30E

5. Lease Serial No.

LC-054988B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

JENKINS B FEDERAL #18

9. API Well No.

30-015-34474

10. Field and Pool, or Exploratory Area

LOCO HILLS; PADDOCK (96718)

11. County or Parish, State

EDDY, NM

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Corrected
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Completion to show
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	Paddock Perfs

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

3-11-06 Perf Drinkard from 5984.5' - 6181.5'. 68 holes.

3-13-06 Acidized Drinkard w/ 2500 gals 15% NeFe.

3-14-06 Frac w/ 8032# LiteProp, 432,176 gals 30# gel, 91,140# 16/30 sand, 54,520 gals 40# gel.

3-15-06 Perf Blinbry from 5082.5' - 5412.5'. 60 holes. Acidized Blinbry w/ 2500 gals 15% NeFe.

3-16-06 Frac w/ 8000# LiteProp, 41,487 gals 30# gel, 90,000# 16/30 sand, 53,718 gals 40# gel.

3-17-06 RIH w/ 198 jts 2-7/8" J-55 tbg, SN @ 6203'. RIH w/ 2-1/2" x 2" x 24' pump.

6-04-06 Perf Paddock w/ 1 SPF at 4260.5' - 4629.5'. 75 holes.

6-05-06 Acidize w/ 4000 gals acid.

6-06-06 Pump hot acid job: 32,000 gals heated 20% HCL & 54,000 gals 40# heated gel.

6-07-06 RIH w/198 jts. 2 7/8" tbg, SN @ 6203'. RIH w/ new 2-1/2 x 2 x 24' pump. Turn to production.

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Phyllis Edwards

Title Regulatory Analyst

Signature

Date

03/26/2007

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

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.

(Instructions on page 2)