

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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 NMNM-64594
b Type of Completion: <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input checked="" type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> 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.
3. Address 550 W. Texas, Ste. 1300 Midland, Texas 79701		8. Lease Name and Well No. Dogwood Federal #1
3a. Phone No. (include area code) 432-685-4395		9. AFI Well No. 30-015-32927
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 2310' FNL & 1650' FWL APR 15 2008 OCD-ARTESIA At top prod. interval reported below At total depth		10. Field and Pool, or Exploratory Wildcat; Yeso
14. Date Spudded 10/27/2003		11. Sec., T., R., M., on Block and Survey or Area Sec. 25, T17S, R32E, Unit F
15. Date TD Reached 11/16/2003		12. County or Parish Eddy
16. Date Completed 02/20/2008 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod		13. State NM
17. Elevations (DF, RKB, RT, GL)* 3573' GR		

18. Total Depth MD- 7331' TVD	19. Plug Back T.D.: MD 6765' TVD	20. Depth Bridge Plug Set: MD 6800' TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL		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)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
12.250	8.625	32.0	0	410'		260			
7.875	5.500	17.0	0	7326		2225			

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	3756'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A) Yeso	3150	4500	3760'-3960'		96	Open
B)			4030'-4230'		72	Open
C)			4300'-4500'		72	Open
D)			6885'-6905'		20	Plugged

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

Depth Interval	Amount and Type of Material
3760'-3960'	Acidize w/3000 gal 15% HCL. Frac w/63,226 gal lightning 25; 78,918# 16/30 Ottawa sand; 28,682# 16/30 SiberPro
4030'-4230'	Acidize w/3000 gal 15% HCL. Frac w/66,259 gal lightning 25; 74,789# 16/30 Ottawa sand; 16,908# 16/30 SiberPro
4300'-4500'	Acidize w/3000 gal 15% HCL. Frac w/59,800 gal lightning 25; 78,015# 16/30 Ottawa 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	Production Method
02/21/2008	03/04/2008	24	→	83	98	512	41.2		Pumping
Choke Size	Tbg Press Flwg. SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	Producing Oil Well
			→	83	98	512	1.180		

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

APR 12 2008

J. Amos

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
Yeso	3150'			Seven Rivers Queen Grayburg San Andres Glorieta Tubb Abo Wolfcamp	454 977 1410 1761 3110 4624 5196 6274

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) Carol Ann Lance

Title Regulatory Analyst

Signature

Carol Ann Lance

Date

04/03/2008

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.