

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMBNO 1004-0137
Expires: March 31, 2007

1a Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5 Lease Serial No NMLC-069033	
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. . 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, Suite 1300		8 Lease Name and Well No. Blue Thunder 5 Federal #3	
3a Phone No (include area code) 432-685-4332		9 AFI Well No 30-015-35544	
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 1800' FSL & 1980' FEL, Unit J At top prod interval reported below At total depth		10 Field and Pool, or Exploratory Lusk Morrow Gas West	
<div style="font-size: 24px; font-weight: bold;">SEP 24 2007</div> <div style="font-size: 24px; font-weight: bold;">OCD-ARTESIA</div>		11 Sec, T, R, M, on Block and Survey or Area Sec 5, T19S, R31E	
		12 County or Parish Eddy	13 State NM
14 Date Spudded 05/19/2007	15 Date T.D. Reached 07/08/2007	16 Date Completed 07/27/2007 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod	17 Elevations (DF, RKB, RT, GL)* 3577' GL
18. Total Depth. MD TVD 12,350	19 Plug Back T.D. MD TVD 12,254	20 Depth Bridge Plug Set: MD TVD None	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Micro CFL / HNGS & CN HNGS		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
17-1/2	13-3/8	48		638		775 C		Surface	Circ 132
12-1/4	8-5/8	32		4235		1500 C		Surface	Circ 157
7-7/8	5-1/2	17		12350		1530 C & H		Surface	Circ 130

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	12,065	12,035	5-1/2					

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) Morrow			12,107 - 12,118	4 SPF	45	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
NONE	NONE

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
07/27/2007	08/08/2007	24	→	27	3039	0			Flowing
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→				1125	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
ANHY SALT YATES 7 RIVERS GRAYBURG SAN ANDRES DELAWARE-SAND BONE SPRING 1ST BN SPG SD 3RD BN SPG SD WOLFCAMP PENN STRAWN ATOKA MORROW L. MORROW	652 2400 2585 3025 3747 3992 4800 6455 7830 9470 9920 10312 10890 11180 11418 12060				

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) Kanicia CarrilloTitle Regulatory Analyst

Signature



Date

09/20/2007

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.