



OCD-ARTESIA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT~~CONFIDENTIAL~~FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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. NMNM 108964			
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. Resvr., Other _____						6. If Indian, Allottee or Tribe Name			
2. Name of Operator CHESAPEAKE OPERATING, INC.						7. Unit or CA Agreement Name and No.			
3. Address P.O. BOX 18496, OKLAHOMA CITY, OK 73154-0496				3a. Phone No. (include area code) 405-767-4275		8. Lease Name and Well No. Limestone Draw Federal 1			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 650 FNL 448 FEL NENE At top prod. interval reported below 710 FNL 710 FEL NENE At total depth 710 FNL 710 FEL NENE				9. AFI Well No. 30-015-33211 SI		10. Field and Pool, or Exploratory Limestone Draw; Morrow			
14. Date Spudded 01/03/2006				15. Date T.D. Reached 02/04/2006		11. Sec., T., R., M., on Block and Survey or Area 35-20S-25E			
16. Date Completed 02/28/2006 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.				17. Elevations (DF, RKB, RT, GL)* 3596 KB / 3595 DF / 3578 GL		12. County or Parish Eddy County 13. State NM			
18. Total Depth: MD 10,202 TVD 10,196				19. Plug Back T.D.: MD 10087 TVD		20. Depth Bridge Plug Set: MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CSNG/DSN/SDL/DLLT/MGRD				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 type="checkbox"/> No <input checked="" 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2	13 3/8	48#		395		810 Class C		Surface	
11	8 5/8	32#		2510		820 Class C		Circ to Surf	
7 7/8	5 1/2	17#		10,202		1250 Poz H/C		900	
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 3/8	9808	9812							
25. Producing Intervals					26. Perforation Record				
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status	
A) Morrow		9860	9930	9860 - 9930			55	OPEN	
B)									
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc									
Depth Interval		Amount and Type of Material							
9860 - 9930		acid w/1200 gal 7 1/2% HCL NeFe + 85 BS							
9860 - 9930		frac w/16,758 gal 40# linear gel binary fluid, 37,758# 18/40 Versaprop							
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
02/22/2006	03/06/2006	24	→	0	517	10			FLOWING
Choke Size	Tbg Press. Flwg SI	Csg Press. 400#	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
OPEN	SI 240#	400#	→	0	517	10		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	
	SI		→						

*(See instructions and spaces for additional data on page 2)

ACCEPTED FOR RECORD

MAR 13 2006

ALEXIS C. SWOBODA
PETROLEUM ENGINEER

HOBBS OCD

MAR 19 2008

RECEIVED

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.)

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
	0	2790	Limestone & Dolomite and Shale	Glorietta	2790
	2790	3460	Limestone & Dolomite and Shale	Bonesprings Lime	3460
	3460	4578	Limestone and Shale	Second Bone Springs	4578
	4578	6867	Limestone, Shale, Dolomite and minor Sand	Third Bone Springs	6867
	6867	7221	Limestone, Shale and fine Sand	Wolfcamp	7221
	7221	7560	Shale, Limestone and minor sand	Cisco	7560
	7560	7950	Limestone and Shale	Canyon	7950
	7950	8668	Limestone and Shale	Strawn	8668
	8668	9310	Limestone with minor shale	Atoka	9310
	9310	9469	Black Shale and minor limestone	Atoka Lime	9469
	9469	9805	Limestone and minor shale	Morrow Clastic	9805
	9805	9842	Shale	Morrow B	9842
	9842	9891	Limestone, sand and shale	Morrow C	9891
	9891	9921	Sand and Shale	Morrow D	9921
	9921	9988	Sand and Shale	Lower Morrow	9988
	9988	10044	Sand and Shale	Barnett	10044
	10044	10200	Shale	TD	10200

32. Additional remarks (include plugging procedure):

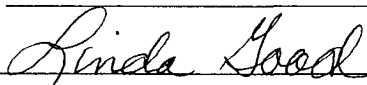
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ 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) LINDA GOODTitle PERMITTING AGENT

Signature

Date 03/08/2006

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.