

EC

OCD-ARTESIA

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No 1004-0137  
Expires July 31, 2010

## 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. NMNM01375	
b. Type of Completion <input type="checkbox"/> New Well <input checked="" 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. E-Mail: lgood@chkenergy.com		7. Unit or CA Agreement Name and No NMNM88499X	
3 Address PO BOX 18496 OKLAHOMA CITY, OK 73154-0496		8 Lease Name and Well No BENSON SHUGART 13	
3a Phone No (include area code) Ph. 405-767-4275		9 API Well No. 30-015-20542-00-S1	
4 Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface NWSW 2310FSL 330FWL  At top prod interval reported below NWSW 2310FSL 330FWL  At total depth NWSW 2310FSL 330FWL		10 Field and Pool, or Exploratory SHUGART	
14 Date Spudded 12/11/1971		15 Date T/D Reached 12/24/1971	
16 Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod 08/08/2007		17 Elevations (DF, KB, RT, GL)* 3446 GL	
18 Total Depth MD 3530 TVD 3530		19 Plug Back T/D MD 3495 TVD 3495	
20. Depth Bridge Plug Set MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each)	
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 analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)			

## 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
11.000	8.625	20.0	0	720		300		0	
7.875	5.500	15.5	0	3522		350			

## 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	3482							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A)SR-QUEEN-GRAYBURG	2216	3490	2216 TO 2225		18	OPEN
B)			3114 TO 3121		14	OPEN
C)			3297 TO 3303		7	OPEN
D)			3382 TO 3388		7	OPEN

## 27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
2216 TO 2225	ACID & SAND FRAC W/500 GAL 15% HCL, 4041 GAL LINEAR GEL, 7793 GAL DELTAFRAC 140 S-LINKED GEL
3114 TO 3121	ACID & SAND FRAC W/500 GAL 15% NEFE HCL, 5275 GAL LINEAR GEL, 6500 GAL DELTAFRAC 140 X-LINKED GEL
3297 TO 3388	ACID & SAND FRAC W/500 GAL 15% NEFE HCL, 2521 GAL LINEAR GEL, 12772 GAL DELTAFRAC (SEE REMARKS #53)

## 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
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

## 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 reverse side)

ELECTRONIC SUBMISSION #56362 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

DAVID R. GLASS

SEP 21 2007

ACCEPTED FOR RECORD

/S/ DAVID R. GLASS

**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 )  
UNKNOWN

**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
SR-QUEEN-GRAYBURG	2216	3490		RUSTLER ANHYDRITE	514
				TOP SALT	685
				BASE OF SALT	1618
				YATES	1840
				SEVEN RIVERS	2225
				BOWERS	2665
				QUEEN	2900
				PENROSE	3109
				GRAYBURG	3346
				LOCO	3455

32. Additional remarks (include plugging procedure)  
CONT'D FROM #44

3297 - 3388: 140 X-LINKED GEL W/40,000# 16/30 BROWN SAND, FLUSH W/931 GAL SLK WTR.

3114 - 3121: 20,000# 16/30 BROWN SAND, FLUSH W/809 GAL LINEAR GEL.

2216 - 2225: W/20,000# 16/30 BROWN SAND

**33 Circle enclosed attachments:**

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd )     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7. Other      |                       |

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

Electronic Submission #56362 Verified by the BLM Well Information System.

For CHESAPEAKE OPERATING, INC., sent to the Carlsbad

Committed to AFMSS for processing by KURT SIMMONS on 09/20/2007 (07KMS0990SE)

Name (please print) LINDA GOOD

Title FEDERAL REGULATORY ANALYST

Signature (Electronic Submission)

Date 09/18/2007

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.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***