

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No 1004-0137  
Expires July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No  
NMNM02862

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No  
NMNM71016X

8. Lease Name and Well No  
PLU BIG SINKS 27 FEDERAL 1H

9. API Well No.  
30-015-38319-00-S1

10. Field and Pool, or Exploratory  
WILDCAT

11. Sec., T., R., M., or Block and Survey  
or Area Sec 27 T24S R30E Mer NMP

12. County or Parish  
EDDY

13. State  
NM

14. Date Spudded  
01/01/2011

15. Date T.D. Reached  
02/11/2011

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
05/06/2011

17. Elevations (DF, KB, RT, GL)\*  
3352 GL

18. Total Depth: MD 13753  
TVD 9066

19. Plug Back T.D.: MD 13656  
TVD 8969

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
CBL GAMMARAY

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit analysis)  
Directional Survey? ☐ No ☒ 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
17.500	13.375 H-40	48.0	0	1355		1400		0	
11.000	8.625 K-55	32.0	0	3945		1950		0	
7.875	5.500 L-80	20.0	0	13753	4550	1843		3010	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875		8585						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A) BONE SPRING	9200	13725	9200 TO 13725		480	open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9200 TO 13725	gal 15% HCL, 97500 bbls fluid, 4800000# 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
05/06/2011	04/19/2011	24	→	36.0	292.0	883.0			
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
	108		→	36	292	883		POW	

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 #108699 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

OCB Adessa

LPK  
L977987

Bone Spring

RECEIVED FOR RECORD

MAY 29 2011

BUREAU OF LAND MANAGEMENT

CARLSBAD FIELD OFFICE

FLOWS FROM WELL

RECEIVED  
JUN 07 2011  
INMOCD ARTESIA

## 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
				RUSTLER BASE OF SALT BELL CANYON CHERRY CANYON BRUSHY CANYON	1191 3762 3836 4584 5564

32 Additional remarks (include plugging procedure):  
CONFIDENTIAL

#52 CONT:  
AVALON SAND 7323  
AVALON SHALE 7412  
FIRST BONE SPRING CARBONATE 8166  
FIRST BONE SPRING SAND 8670

## 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 #108699 Verified by the BLM Well Information System.

For CHESAPEAKE OPERATING INC, sent to the Carlsbad

Committed to AFMSS for processing by DEBORAH MCKINNEY on 05/24/2011 (11DLM0781SE)

Name (please print) LYNDEE SONGER

Title REGULATORY COMPLIANCE ANALYST

Signature (Electronic Submission)

Date 05/20/2011

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 \*\***

**Additional data for transaction #108699 that would not fit on the form**

**32. Additional remarks, continued**

ADDITIONAL LEASE # NMNM30452

LOGS SENT VIA UPS OVERNIGHT

(CHK PN 634207)