

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

JUN 6 2011

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.
Other _____

2. Name of Operator **CHESAPEAKE OPERATING INC** Contact: **LYNDEE SONGER**
E-Mail: **lyndee.songer@chk.com**

3. Address **OKLAHOMA CITY, OK 73154-0496** 3a. Phone No. (include area code)
Ph: **405-935-2411**

4. Location of Well (Report location clearly and in accordance with Federal requirements)
At surface **SESE 215FSL 400FEL**
At top prod interval reported below **SESE 215FSL 400FEL**
At total depth **NENE 380FNL 427FEL**

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**
BONE SPRING

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 **05/06/2011**
☐ D & A ☒ Ready to Prod **4-19-11**

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

18. Total Depth: **MD 13753** 19. Plug Back T.D. **MD 13656** 20. Depth Bridge Plug Set: **MD 8969**
TVD 9066 **TVD 8969** **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)						

26. Perforation Record

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

MAY 29 2011

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			CARLSBAD FIELD OFFICE FLOWS FROM WELL

Choke Size **SI** Tbg Press Flwg **108** Csg. Press **SI** 24 Hr Rate **→** Oil BBL **36** Gas MCF **292** Water BBL **883** Gas/Oil Ratio **POW** Well Status **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 **SI** Tbg Press Flwg **SI** Csg. Press **SI** 24 Hr Rate **→** Oil BBL **SI** Gas MCF **SI** Water BBL **SI** Gas/Oil Ratio **SI** Well Status **SI**

(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 **

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JUN 17 2011
NMOCD 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	1191
				BASE OF SALT	3762
				BELL CANYON	3836
				CHERRY CANYON	4584
				BRUSHY CANYON	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)



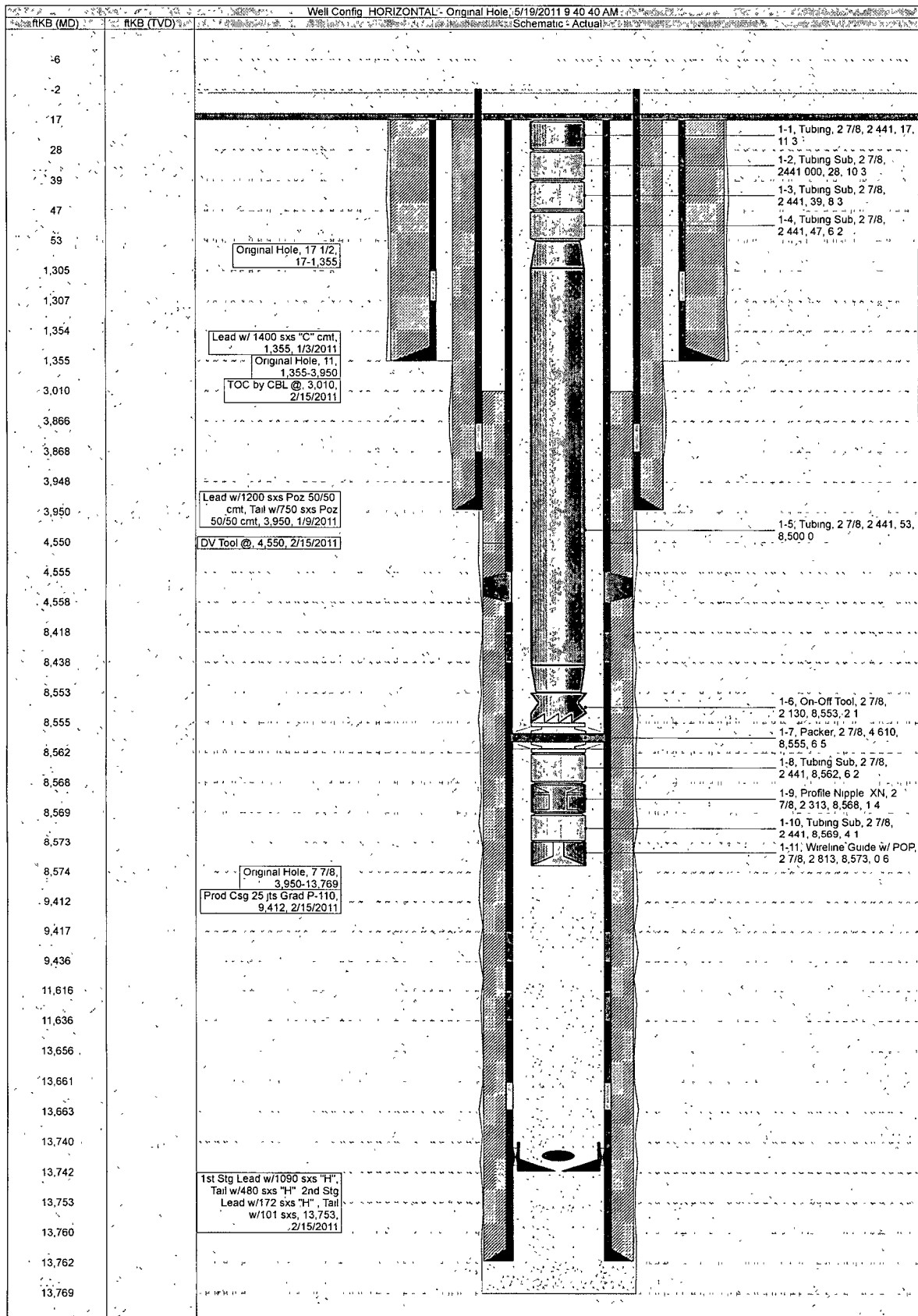
BLM PLU Schematic

PLU BIG SINKS 27 FEDERAL 1H

CONFIDENTIAL

Field:
County: EDDY
State: NEW MEXICO
Location: SEC 27-24S-30E, 100 FSL & 400 FEL
Elevation: GL 3,352.0 KB 3,369.0
KB Height: 17.0

Spud Date: 1/1/2011
Initial Compl. Date:
API #: 3001538319
CHK Property #: 632407
1st Prod Date: 5/6/2011
PBDT: Original Hole - 13769.0
TD: 13,769.0



BOPCO, L. P.
6 DESTA DRIVE, SUITE 3700 (79705)
P. O. BOX 2760
MIDLAND, TEXAS 79702

(432) 683-2277

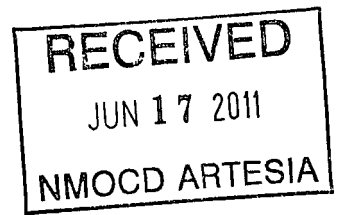
FAX (432) 687-0329

June 15, 2011

*Ready 04/19/2011
Conf. Ends 07/19/2011*

OCD
District 2
811 S. First St.
Artesia NM 88210

RE: BOPCO, L.P. (260737)
PLU Big Sinks 27 Federal Com #1H
Sec. 27, T-4-S, R30E
215 FSL 400 FEL
Eddy County, NM
API # 30-015-38319



Dear Sirs/Madams:

BOPCO, L.P. request that the electric logs and completion report submitted be held confidential for the maximum period of time in accordance with NMOCD's Rule 19.15.7.16 (C).

Respectfully yours,

Sandra J. Belt

Sandra J. Belt
BOPCO, L.P.
Senior Regulatory Clerk

Attachments:

- NMOCD's C-104 Request for Allowable & Authorization to Transport
- NMOCD's C-102 "Actual Bottom Hole Location" Plat
- BLM's Revised 3160-4 Completion Report (Electronic Submission #110589)
- BLM's 3160-4 Completion Report with attachments (filed by Chesapeake)
- Electric Logs