



Regulatory Department

VIA UPS

end 8/8/12

July 13, 2012

RE: Chesapeake Operating, Inc.
PLU Pierce Canyon 21 24 30 USA 1H
Sec. 21, T-24-S R-30-E (SHL)
130' FSL & 2132' FEL
Eddy Co., NM
API # 30-015-39768

Dears Sirs/Madams:

Chesapeake Operating, Inc. request that the electric logs, completion report, and final directional surveys be held confidential for the maximum period of time in accordance with NMOCD's Rule 19.15.7.16 (C).

Respectfully yours,

A handwritten signature in black ink, appearing to read "Bryan Arrant".

Bryan Arrant
Chesapeake Operating, Inc.
Regulatory Specialist II

Attachments:

- NMOCD's C-102 "As Drilled" Land Plat
- NMOCD's C-104 Request for Allowable & Authorization to Transport (RT)
- BLM's 3160-4 Completion Report (Submitted Copy)
- Administrative Order NSL-6460-A
- Final Directional Surveys
- OCD's Hydraulic Fracture Report
- Electric Logs

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUL 16 2012

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG ARTESIAN

Lease Serial No.
NNMLC068431

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6 If Indian, Allottee or Tribe Name	
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 _____		7. Unit or CA Agreement Name and No. NMNM710016X	
2. Name of Operator CHESAPEAKE AGENT FOR BOPCOE-Mail erin.carson@chk.com		8. Lease Name and Well No. PLU PIERCE CANYON 21 24 30 USA 1H	
3. Address PO BOX 18496 OKLAHOMA CITY, OK 73154-0496		3a. Phone No. (include area code) Ph: 405-935-2896	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NWNE 130FNL 1940FEL At top prod interval reported below NWNE 472FNL 2140FEL At total depth SWSE 100FSL 1980FEL		9. API Well No. 30-015-39768	
10. Field and Pool, or Exploratory WILDCAT, BONE SPRING		11. Sec., T., R., M., or Block and Survey or Area Sec 21 T24S R30E Mer NMP	
12. County or Parish EDDY		13. State NM	
14. Date Spudded 03/13/2012		15. Date T.D. Reached 03/29/2012	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 05/08/2012		17. Elevations (DF, KB, RT, GL)* 3353 GL	
18. Total Depth. MD TVD 12995 8058		19. Plug Back T.D. MD TVD	
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 type="checkbox"/> No <input checked="" 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
17 500	13.375 H-40	48.0	120	883		1200		22	
11.000	8 625 J-55	32.0	883	3775		1450		22	
7 875	5.500 L-80	20.0	3775	12995		2200		22	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) AVALON SHALE	8305	12959	8305 TO 12959			OPEN
B)						
C)						
D)						

26 Perforation Record

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

Depth Interval	Amount and Type of Material
8305 TO 12959	CLEAN FLUID- 58,575 BBLs, ACID- 20,000 GAL, PROPPANT- 2,481,752 LBS

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 #142848 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

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
				RUSTLER TOP OF SALT BASE OF SALT BELL CANYON CHERRY CANYON BRUSHY CANYON FIRST BONE SPRING CARBONATE	625 940 3623 3868 4784 6590 7668

32. Additional remarks (include plugging procedure):

BASS WILL FILE A SUBSEQUENT COMPLETION REPORT ONCE TESTING DATA IS AVAILABLE.

LOGS SENT VIA UPS OVERNIGHT

CHK PN 639974

33. Circle enclosed attachments

1. Electrical/Mechanical Logs (1 full set req'd)
5. Sundry Notice for plugging and cement verification

2. Geologic Report
6. Core Analysis

3. DST Report
7 Other.

4. Directional Survey

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 #142848 Verified by the BLM Well Information System.
For CHESAPEAKE AGENT FOR BOPCO, sent to the Carlsbad

Name (please print) ERIN CARSON

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 07/13/2012

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

HALLIBURTON

BOREHOLE VOLUME PLOT

COMPANY CHESAPEAKE OPERATING, INC. WELL PLU PIERCE CANYON 21-24-30 USA NO. 1H FIELD WILDCAT; BONE SPRING COUNTY EDDY STATE NEW MEXICO	COMPANY		CHESAPEAKE OPERATING, INC.				
	WELL		PLU PIERCE CANYON 21-24-30 USA NO. 1H				
	FIELD		WILDCAT; BONE SPRING				
	COUNTY		EDDY				
STATE		NEW MEXICO					
API No.		30-015-39768					
Location		130' FNL & 1940' FEL, NWNE					
		CONFIDENTIAL					
Other Services:		ACRT					
Sect.		21	Twp.	24S	Rge.	30E	
Permanent Datum		GL		Elev. 3353.0 ft		Elev : K.B.	3375.0 ft
Log measured from		KB		22.0 ft above perm. Datum		D.F.	3374.0 ft
Drilling measured from		KB				G.L.	3353.0 ft
Date		26-Mar-12					
Run No.		ONE					
Depth - Driller		8360.00 ft					
Depth - Logger		7842.0 ft					
Bottom - Logged Interval		7810.0 ft					
Top - Logged Interval		3768.0 ft					
Casing - Driller		8.625 in @ 3775.0 ft		@		@	
Casing - Logger		3768.0 ft					
Bit Size		7.875 in		@		@	
Type Fluid in Hole		FRESH WATER					
Density	Viscosity	8.8 ppg	28.00 s/qt				
PH	Fluid Loss	10.00 pH					
Source of Sample		MUD PIT					
Rm @ Meas. Temperature		0.300 ohmm @ 75.00 degF		@		@	
Rmf @ Meas. Temperature		0.23 ohmm @ 75.00 degF		@		@	
Rmc @ Meas. Temperature		0.313 ohmm @ 75.00 degF		@		@	
Source Rmf	Rmc	CHART	CHART				
Rm @ BHT		0.20 ohmm @ 115.0 degF		@		@	
Time Since Circulation		15.0 hr					
Time on Bottom		26-Mar-12 19:39					
Max. Rec. Temperature		115.0 degF @ 7842.0 ft		@		@	
Equipment	Location	10326831	HOBBS, NM				
Recorded By		REX COOK					
Witnessed By		CHRIS PERSELLIN					

HALLIBURTON**SPECTRAL DENSITY
DUAL SPACED NEUTRON
COMP. SPECTRAL GAMMA**COMPANY
CHESAPEAKE OPERATING, INC.
WELL
PLU PIERCE CANYON 21-24-30
USA NO. 1H
FIELD
WILDCAT; BONE SPRING
COUNTY
EDDY
STATE
NEW MEXICOCOMPANY **CHESAPEAKE OPERATING, INC.**WELL **PLU PIERCE CANYON 21-24-30 USA NO. 1H**FIELD **WILDCAT; BONE SPRING**COUNTY **EDDY** STATE **NEW MEXICO**

API No. 30-015-39768

Location 130' FNL & 1940' FEL, NW 1/4

Other Services:
ACRT**CONFIDENTIAL**

Sect. 21 Twp 24S Rge. 30E

Permanent Datum	GL	Elev. 3353.0 ft	Elev.: KB.	3375.0 ft
Log measured from	KB	22.0 ft above perm. Datum	D.F.	3374.0 ft
Drilling measured from	KB		G.L.	3353.0 ft
Date	26-Mar-12			
Run No.	ONE			
Depth - Driller	8360.00 ft			
Depth - Logger	7842.0 ft			
Bottom - Logged Interval	7810.0 ft			
Top - Logged Interval	190.0 ft			
Casing - Driller	8.625 in @ 3775.0 ft	@	@	
Casing - Logger	3768.0 ft			
Bit Size	7.875 in	@	@	
Type Fluid in Hole	FRESH WATER			
Density	Viscosity	8.8 ppg	28.00 s/cp	
PH	Fluid Loss	10.00 pH		
Source of Sample	MUD PIT			
Rm @ Meas. Temperature	0.300 ohmm @ 75.00 degF	@	@	
Rmf @ Meas. Temperature	0.23 ohmm @ 75.00 degF	@	@	
Rmc @ Meas. Temperature	0.313 ohmm @ 75.00 degF	@	@	
Source Rmf	Rmc	CHART	CHART	
Rm @ BHT	0.20 ohmm @ 115.0 degF	@	@	
Time Since Circulation	15.0 hr			
Time on Bottom	26-Mar-12 19.39			
Max. Rec. Temperature	115.0 degF @ 7842.0 ft	@	@	
Equipment	Location	10326831	HOBBS, NM	
Recorded By	REX COOK			
Witnessed By	CHRIS PERSELLIN			

HALLIBURTON

ARRAY COMPENSATED RESISTIVITY

COMPANY CHESAPEAKE OPERATING, INC. WELL PLU PIERCE CANYON 21-24-30 USA NO. 1H FIELD WILDCAT; BONE SPRING COUNTY EDDY STATE NEW MEXICO		COMPANY CHESAPEAKE OPERATING, INC.	
		WELL PLU PIERCE CANYON 21-24-30 USA NO. 1H	
		FIELD WILDCAT; BONE SPRING	
		COUNTY EDDY STATE NEW MEXICO	
		API No 30-015-39768 Location 130' FNL & 1940' FEL, NWNE <div style="text-align: center; font-weight: bold; font-size: 1.2em;">CONFIDENTIAL</div>	
		Other Services: CSNG/DSN/SDL	
		Sect 21 Twp. 24S Rge. 30E	
Permanent Datum		GL Elev 3353.0 ft	
Log measured from		KB 22.0 ft above perm. Datum	
Drilling measured from		KB	
Date		26-Mar-12	
Run No.		ONE	
Depth - Driller		8360.00 ft	
Depth - Logger		7842.0 ft	
Bottom - Logged Interval		7826.0 ft	
Top - Logged Interval		3768.0 ft	
Casing - Driller		8.625 in @ 3775.0 ft @	
Casing - Logger		3768.0 ft	
Bit Size		7.875 in @	
Type Fluid in Hole		FRESH WATER	
Density	Viscosity	8.8 ppg	28.00 s/qt
PH	Fluid Loss	10.00 pH	
Source of Sample		MUD PIT	
Rm @ Meas. Temperature		0.300 ohmm @ 75.00 degF @	
Rmf @ Meas. Temperature		0.23 ohmm @ 75.00 degF @	
Rmc @ Meas. Temperature		0.313 ohmm @ 75.00 degF @	
Source Rmf	Rmc	CHART	CHART
Rm @ BHT		0.20 ohmm @ 115.0 degF @	
Time Since Circulation		15.0 hr	
Time on Bottom		26-Mar-12 19:39	
Max. Rec. Temperature		115.0 degF @ 7842.0 ft @	
Equipment	Location	10326831	HOBBS, NM
Recorded By		REX COOK	
Witnessed By		CHRIS PERSELLIN	