

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
DEC 21 2009  
OCD Hobbs

FORM APPROVED  
OMB NO. 1004-0135  
Expires. July 31, 2010

EC

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter abandoned well. Use form 3160-3 (APD) for such proposals.*

5	Lease Serial No. NMNM51843 ✓
6	If Indian, Allottee or Tribe Name
7	If Unit or CA/Agreement, Name and/or No NMNM109669 ✓
8	Well Name and No. CHOCOLATE FOAM WING 2 ✓
9	API Well No. 30-025-39567 ✓
10	Field and Pool, or Exploratory MORTON Miss ✓
11	County or Parish, and State LEA COUNTY, NM ✓

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator / CHESAPEAKE OPERATING, INC. Contact: LINDA GOOD E-Mail. linda.good@chk.com	
3a. Address P.O. BOX 18496 OKLAHOMA CITY, OK 73154-0496	3b. Phone No (include area code) Ph: 405-935-4275 Fx: 405-849-4275
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 34 T14S R35E SENW 1830FNL 1980FWL ✓	

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original PD
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

PLEASE FIND THE INFORMATION REQUESTED BY ROGER HALL W/CARLSBAD BLM.

We will now be setting our 13 3/8" surface casing at a depth of 2025'. Our cement volumes are as follows:

Lead: 1210 sx 35/65 Poz:C 2.03 yeild (0-1750?) 100% Excess  
Tail: 285 sx Class C 1.35 yeild (1750-2025) 100% Excess

Casing String Minimum Safety Factors  
Burst Collapse Tension  
13 3/8" 48# H-40 ST&C 1.66 1.48 1.74  
9 5/8" 40# J-55 LT&C 1.56 1.51 2.03

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #78609 verified by the BLM Well Information System For CHESAPEAKE OPERATING, INC., sent to the Hobbs</b>	
Name (Printed/Typed) LINDA GOOD	Title SR. REG. COMPLIANCE SPECIALIST
Signature (Electronic Submission)	Date 12/09/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By _____	PETROLEUM ENGINEER (CHK PN 617914) Title	APPROVED DEC - 9 2009	DEC 21 2009 Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office KJ	Signature Roger D. Hall
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 any document or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.			

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

**Additional data for EC transaction #78609 that would not fit on the form**

**32. Additional remarks, continued**

5 1/2" 20# P-110 LT&C 1.26 1.3 1.58

Design Factors Design Basis

Surface

Burst 1.1 Internal load: Casing pressure Test to 1000 psi with  
8.7 ppg drilling fluid inside casing

External Load: 8.33 ppg Cement Mix Water

Collapse 1 Internal Load: 50% Evacuation

External Load: 8.7 ppg drilling fluid

Tension 1.6 100k overpull

Intermediate

Burst 1.1 Internal Load: Pressure Test to 1500 psi,

Displacement to Gas

External Load: 8.33 ppg Cement Mix Water

Collapse 1 Internal Load: 67% Evacuation

External Load: 10.2 ppg drilling fluid

Tension 1.6 100k overpull

Production

Burst 1.1 Internal Load: 10k psi injection w/8.6 ppg fluid

External Load: 9.8 ppg drilling fluid to 4100', 8.33

ppg Cement Mix Water to 13850'

Collapse 1 Internal Load: 100% Evacuation

External Load: 9.8 ppg drilling fluid to 4100', 12.4

ppg lead cement to 8200', 13.0 ppg tail cement to 13850'

Tension 1.3 10k psi injection w/8.6 ppg fluid

REVISED PROPOSED WELL SCHEMATIC ATTACHED.

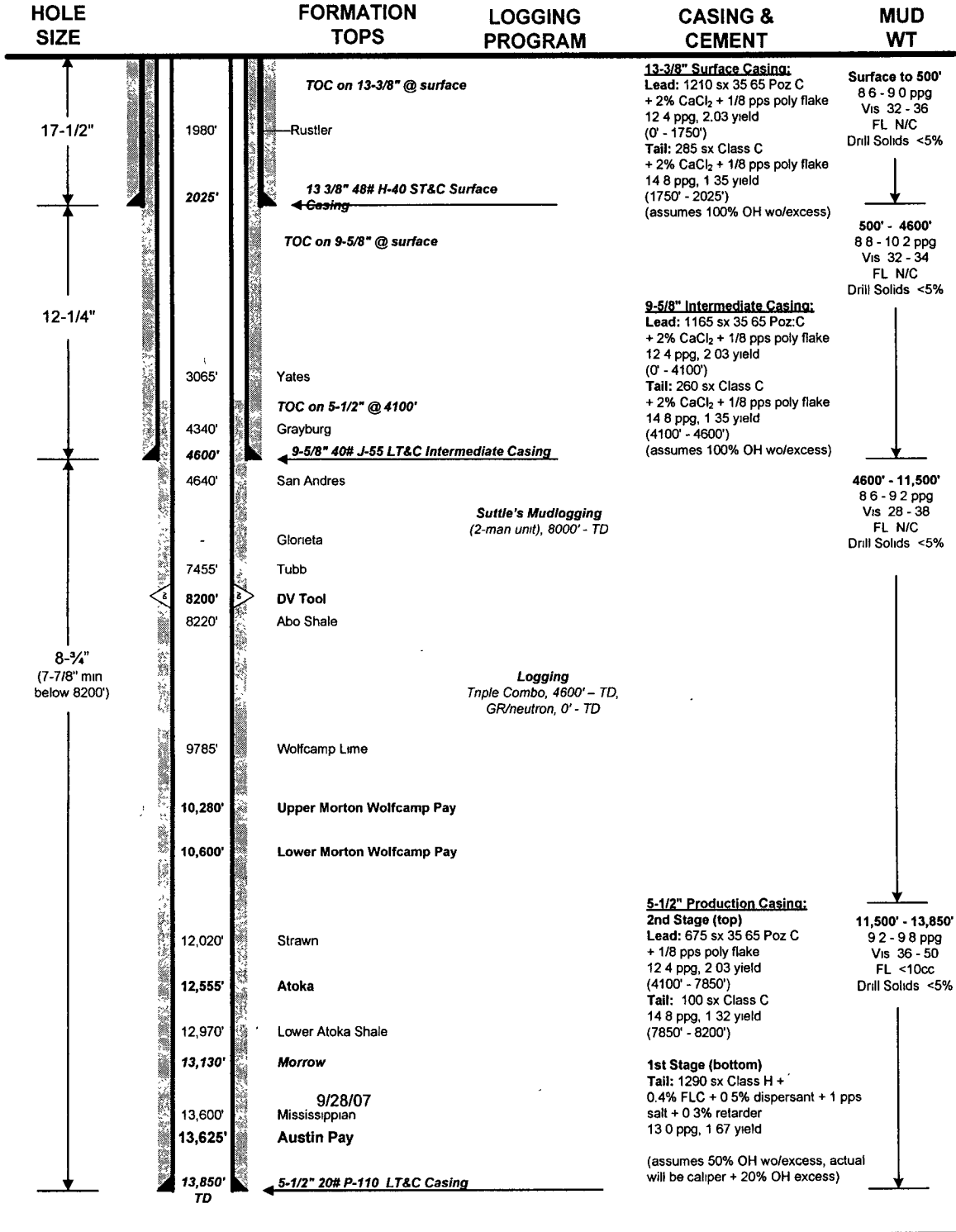
(CHK PN 617914)

# CHESAPEAKE OPERATING, INC

## Proposed Well Schematic (Drilling)



**WELL :** Chocolate Foam Wing #2  
**SHL :** Section 34-14S-35E (1830' FNL & 1980' FWL)  
**TARGET :** 330' Radius of SHL  
**COUNTY :** Lea **STATE :** New Mexico  
**FIELD :** Morton (Mississippian)  
**ELEVATION :** GL - 4003' (John West survey, 9/18/07) KB - 4026' (based on est. 23' RKB)



**PREPARED BY:** R. L. Patterson  
**REVISED BY:** C. Gray

**DATE:** 10/11/07  
**DATE:** 12/4/09