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July 7, 2009

## APPLICATION

OF COUNSEL  
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LL.M. IN TAXATION  
†† REGISTERED PATENT ATTORNEY

\* ALSO ADMITTED IN TEXAS  
\*\* ALSO ADMITTED IN MISSISSIPPI

7097-69742

Honorable James H. Welsh  
Commissioner of Conservation  
Louisiana Office of Conservation  
P.O. Box 94275  
Baton Rouge, LA 70804-4275

Re: Substitute Unit Well  
Haynesville Zone, Reservoir A  
Red River-Bull Bayou Field  
DeSoto Parish, Louisiana

Dear Commissioner Welsh:

Application is hereby made on behalf of **CHESAPEAKE OPERATING, INC.** for the calling of a public hearing, after ten (10) days legal notice, to consider evidence relative to the issuance of Orders pertaining to the following matters related to the **Haynesville Zone, Reservoir A, in the Red River – Bull Bayou Field, DeSoto Parish, Louisiana**, for which rules and regulations were established and a pattern of drilling and production units was created by Office of Conservation Order No. 109-X-2, effective August 19, 2008, as amended and supplemented by certain Orders of the 109-X Series of Orders, including the unit designated HA RA SUG, created by Office of Conservation Order No. 109-X-3, effective August 19, 2008, to-wit:

1. To permit the applicant, Chesapeake Operating, Inc., to drill, designate and utilize the Chesapeake Operating, Inc. – Nabors 10H No. 2 Well as the substitute unit well for HA RA SUG, located as shown on the attached plat, which is in compliance with the spacing provisions of Office of Conservation Order No. 109-X-2, effective August 19, 2008;

2. To the extent not inconsistent herewith, to continue in full force and effect the unit designated HA RA SUG, created by Office of Conservation Order No. 109-X-3, effective August 19, 2008, and all pertinent provisions of Order No. 109-X-2, effective August 19, 2008, as amended and supplemented by certain Orders of the 109-X Series of Orders; and
3. To consider such other matters as may be pertinent to this application as shown by the evidence presented at the public hearing.

The Haynesville Zone, in the Red River – Bull Bayou Field, DeSoto Parish, Louisiana, was previously defined in Office of Conservation Order No. 109-X, effective June 25, 2008.

The proposed substitute unit well is necessary to drain a portion of the unit which cannot be drained by any existing well in the unit.

Pertinent data relating to the proposed application can be obtained, AT THE COST OF THE REQUESTING PARTY, by contacting David Comeaux, with Leon Comeaux & Associates, 305 La Rue France, Lafayette, LA 70508 (337) 233-9839.

There is attached hereto and made a part hereof a plat which outlines HA RA SUG, and reflects the locations of the proposed substitute unit well and the current unit well. There is also attached hereto a list of the names and addresses of the Interested Owners, Represented Parties, and Interested Parties to whom this proposal is being sent. Pursuant to the Revised Rules of Procedure, such a list of parties is being furnished ONLY to the Commissioner of Conservation and to the District Manager of the Shreveport District of the Office of Conservation. However, the list of parties will be provided to any party requesting a copy of it. A reasonable effort was made to ascertain the names and addresses of all Interested Owners, Represented Parties and Interested Parties.

Finally, there is enclosed our check in the sum of \$755.00 payable to the Office of Conservation, representing the required hearing application fee.

Yours very truly,

  
RANDALL C. SONGY  
JEREMY B. SHEALY

July 7, 2009  
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RCS/JBS/smp/bad  
Enclosures

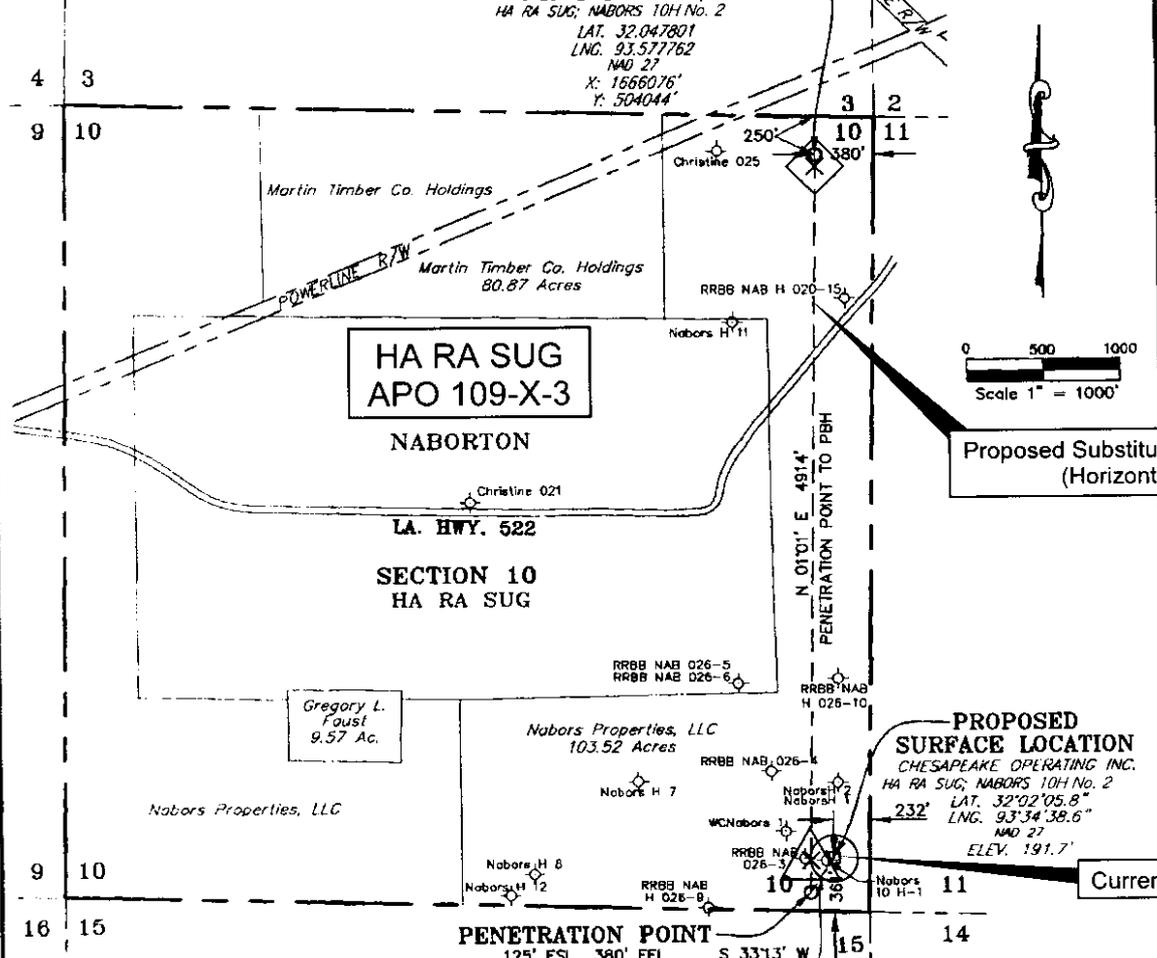
cc: Jim Broussard, District Manager  
Office of Conservation

All Interested Owners, Interested Parties and  
Represented Parties

T12N-R12W  
DeSOTO PARISH

PROPOSED BOTTOM HOLE

CHESAPEAKE OPERATING, INC.  
HA RA SUG; NABORS 10H No. 2  
LAT. 32.047801  
LNG. 93.577762  
NAD 27  
X: 1666076'  
Y: 504044'



Proposed Substitute Unit Well  
(Horizontal)

0 500 1000  
Scale 1" = 1000'

PROPOSED SURFACE LOCATION

CHESAPEAKE OPERATING, INC.  
HA RA SUG; NABORS 10H No. 2  
LAT. 32°02'05.8"  
LNG. 93°34'38.6"  
NAD 27  
ELEV. 191.7'

Current Unit Well

△ PROPOSED TOP OF PERFS.  
◇ PROPOSED BASE OF PERFS.  
NOTE: PROPOSED TOP AND  
BASE OF PERFS.  
NO CLOSER THAN  
330' TO UNIT LINE

SURFACE NOTE

NAD 27	NAD 83
LAT: 32.03494	LAT: 32.03510
LNG: 93.57704	LNG: 93.57758
X: 1666141'	X: 2946926'
Y: 499363'	Y: 560071'

- THIS SURVEY DOES NOT CONSTITUTE:
1. ENVIRONMENTAL SITE ASSESSMENT
  2. WETLANDS DETERMINATION
  3. SUB-SURFACE INVESTIGATION
  4. CERTIFICATION OF UN-ENCUMBERED OWNERSHIP
  5. A PROPERTY BOUNDARY SURVEY NOR DOES IT MEET MINIMUM STANDARDS FOR A PROPERTY BOUNDARY SURVEY.

CERTIFICATION:  
I HEREBY CERTIFY THAT THIS PLAT  
CORRECTLY REPRESENTS MY SURVEY.

*Benjamin K. Fontenot*  
BENJAMIN K. FONTENOT P.L.S. 4821  
(original when stamped red)



**N & A, INC.**  
NOWLIN & ASSOCIATES, INC.  
CONSULTING ENGINEERS - LAND SURVEYORS  
NATCHITOCHES, LA. - PINEVILLE, LA. - JENA, LA.  
PH. (318)352-3665 (318)443-6544 (318)892-5262

SURVEY PLAT SHOWING		<b>CHESAPEAKE OPERATING, INC.</b>		<ul style="list-style-type: none"> <li>◇ - D&amp;A</li> <li>● - OIL</li> <li>⊙ - P&amp;A</li> <li>☼ - GAS</li> <li>⊗ - SWD</li> <li>☼ - GAS P&amp;A</li> <li>( ) - MINERAL OWNERSHIP</li> <li>○ - STAKED NOT DRILLED</li> </ul>	
<b>HA RA SUG; NABORS 10H No. 2</b>		DESCRIPTION		FILE	
CHESAPEAKE OPERATING, INC. - HA RA SUG; NABORS 10H No. 2		SURFACE LOCATION BEING 361' FROM THE SOUTH LINE AND 232' FROM THE EAST LINE OF SECTION 10, LOCATED IN SECTION 10 T12N-R12W. PROPOSED BOTTOM HOLE LOCATION TO BE 250' FROM THE NORTH LINE AND 380' FROM THE EAST LINE OF SECTION 10, LOCATED IN SECTION 10, T12N-R12W, DeSOTO PARISH, NORTHWESTERN LAND DISTRICT OF LOUISIANA		T:ACAD,370;Sec. 10, 12N-12W,Perm,4821	
DATE	REVISED	PRE-CONST. ELEV.	FB/Pg	AREA MAP	BAYOU PIERRE USGS QUAD
7/2/2009		191.7'			
SCALE	DISC.	POST-CONST. ELEV	JOB NO.	DWN BY	APP. BY
1" = 1000'			370.048	CAA	BKF