

**COOK, YANCEY, KING & GALLOWAY**

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December 13, 2010

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When calling relative to this matter, refer to file No. 3239

Honorable James H. Welsh  
Commissioner of Conservation  
Office of Conservation  
P. O. Box 94275  
Baton Rouge, Louisiana 70804-9275

Re: Haynesville Zone, Reservoir A  
Thorn Lake Field  
Red River Parish, Louisiana

**APPLICATION FOR PUBLIC HEARING**

Dear Sir:

Petrohawk Operating Company hereby makes application pursuant to the revised rules of procedure for a public hearing to consider evidence relating to the following matters pertaining to the Haynesville Zone, Reservoir A, in the Thorn Lake Field, Red River Parish, Louisiana:

1. To authorize Petrohawk Operating Company to drill, designate and utilize a horizontal lateral as an additional alternate unit well for HA RA SUC generally as shown on the plat attached hereto and made a part hereof, provided that in no event will the well be perforated closed than 330 feet to any unit boundary;
2. To establish that the proposed alternate unit well is necessary to efficiently and economically drain a portion of the Haynesville Zone, Reservoir A, underlying HA RA SUC;
3. To authorize the unit allowable for this unit to be recovered from the existing wells located on the unit, the proposed additional alternate unit well, or any combination thereof, at the discretion of the operator; and
4. To consider and cover such other matters as the Commissioner of Conservation may deem appropriate and necessary under the circumstances.

The Haynesville Zone, Reservoir A, in the Thorn Lake Field, Caddo and Red River Parishes, Louisiana, was defined in Office of Conservation Order No. 1145-B, effective July 15, 2008.

The subject matter of this application does not require the issuance of a pre-application notice.

**COOK, YANCEY, KING & GALLOWAY**

Office of Conservation

December 13, 2010

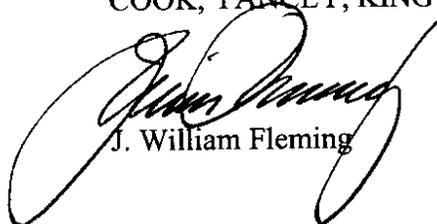
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Any pertinent data relating to this matter can be obtained at the cost of the requesting party, from Mr. Craig Barclay, 522 Dumbarton Drive, Shreveport, Louisiana 71106, at telephone number (318) 869-2223.

The list of parties attached to the copies of this application being sent to the Office of Conservation includes the names of all Interested Owners, Represented Parties and Interested Parties known to Applicant after a diligent search. A copy of this application, with plat attached, is being sent to each such party. Pursuant to Office of Conservation regulations, the 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 person requesting a copy of it. Enclosed with the copy of this letter being sent to the Commissioner of Conservation is check for the required application fee.

Yours very truly,

**COOK, YANCEY, KING & GALLOWAY**



J. William Fleming

jwf:s

Enclosures

cc: James C. Broussard, District Manager  
Interested Owners, Represented  
Parties and Interested Parties  
Mr. Craig Barclay  
Mr. Matt Huffty

32

33

T 15 N - R 11 W

BOSSIER PH.

HA RA SU Y  
1145-B-11

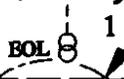
HA RA SU Q  
1145-B-17

HA RA SU W  
691-C-7  
SWAN LAKE FIELD

Petrohawk  
Sample

Petrohawk  
Small Fry

Petrohawk  
Ninock 34



660'  
RADIUS  
CADD O PH.

16,950'



Petrohawk  
Sample

SHL  
457'FNL  
696'FWL



Petrohawk  
Sample

Petrohawk  
Sample



HA RA SU E  
1145-B-5

HA RA SU C  
1145-B-2

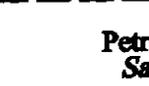
HA RA SU K  
1145-B-6

5

NO PERFS  
LESS THAN 330'  
FROM UNIT

4

3



Petrohawk  
Sample

660'  
RADIUS



Petrohawk  
Sample

Petrohawk  
Sample

QEP  
Sample 10



QEP  
Sample



HA RA SU J  
1145-B-7

HA RA SU D  
1145-B-2

HA RA SU L  
1145-B-6

T 14 N - R 11 W

9

10

PETROHAWK OPERATING COMPANY  
TULSA, OKLAHOMA

THORN LAKE FIELD  
RED RIVER PARISH, LOUISIANA

PROPOSED  
ALTERNATE UNIT WELL FOR  
HA RA SU C

--- : EXISTING / PENDING UNITS

⊙ : PROPOSED ALTERNATE UNIT WELL



: EXISTING HAYNESVILLE RES A  
UNIT AND SUBSTITUTE UNIT WELLS

: EXISTING HAYNESVILLE RES A  
ALTERNATE UNIT WELLS

GEOLOGIST: CRAIG C. BARCLAY



ONLY WELLS > TOP H'VILLE SHOWN

ANDY - C:\F\_2011\PETROHAWK\4+-14-11-TL.dwg