STATE OF LOUISIANA OFFICE OF CONSERVATION SN# 242011 TYPE ONLY

APPLICATION FOR PERMIT TO DRILL FOR MINERALS

SERIAL NO 242011 DATE 08/25/2010

CODE NUMBERS
35
0131
C084

PARISH Natchitoches

FIELD Ashland

OPERATOR Chesapeake Operating, Inc.

ADDRESS 333 Texas Street, Suite 1100

CITY Shreveport STATE LA ZIP 71101

WELL NAME HA RA SUG;Guin 20-13-7 H No. 001

LOCATION Sec. 020 T 13N R 07W SL: 275' FSL & 1667' FWL of Section 20.
PBHL: 250' FNL & 990' FWL of Section 20.

APPLICATION FOR OIL: [ ] GAS: [X] OTHER: [ ] PROPOSED TOTAL DEPTH and TVD, if applicable 18100' MD / 13500' TVD

ZONE or RESERVOIR OF PROPOSED COMPLETION Haynesville RA

APPLICABLE CONSERVATION ORDERS 29B, 1262-E eff date 05-04-10

SEND PERMIT TO Sara Cockrell

FOR ADDITIONAL INFORMATION, CONTACT Sara Cockrell Phone No (318)674-7214

BY Sara Cockrell APPLICANT'S SIGNATURE

DISTRICT APPROVAL DATE 8-26-10

ISSUED BY: Katherine Giraud DATE 9-14-10

API No. (OC USE ONLY) 17069204 21 Exp MAR 1 2 2011

Form MD-10-R (3/2005)

RECEIVED
AUG 30 2010
OFFICE OF CONSERVATION

STATE OF LOUISIANA
OFFICE OF CONSERVATION

INTEROFFICE

August 27, 2010

TO: BATON ROUGE OFFICE

FROM: SHREVEPORT DISTRICT OFFICE

ATTN: PERMIT SECTION

Enclosed please find an application from Chesapeake Operating Inc, Shreveport, LA, for a permit to drill their HA RA SUG;Guin 20-13-7 H #1, Ashland field, Natchitoches Parish, Haynesville, Res A Zone. No Bond

Also enclosed please find: CC 51

Check No. 2571, Invoice No. 560252 in the amount of $1,264.00. 29B-1

Also attached please find certified well location plats.

Applicable Office of Conservation Order Nos. 29-B, 1262-E.

Remarks & Recommendations: Comply with 29-B.

- Complies with 1262-E effective 05-04-10.

  Well spacing set in 1262-E at 330'/660'.

- No wells ever drilled/permitted in Sec. 20.

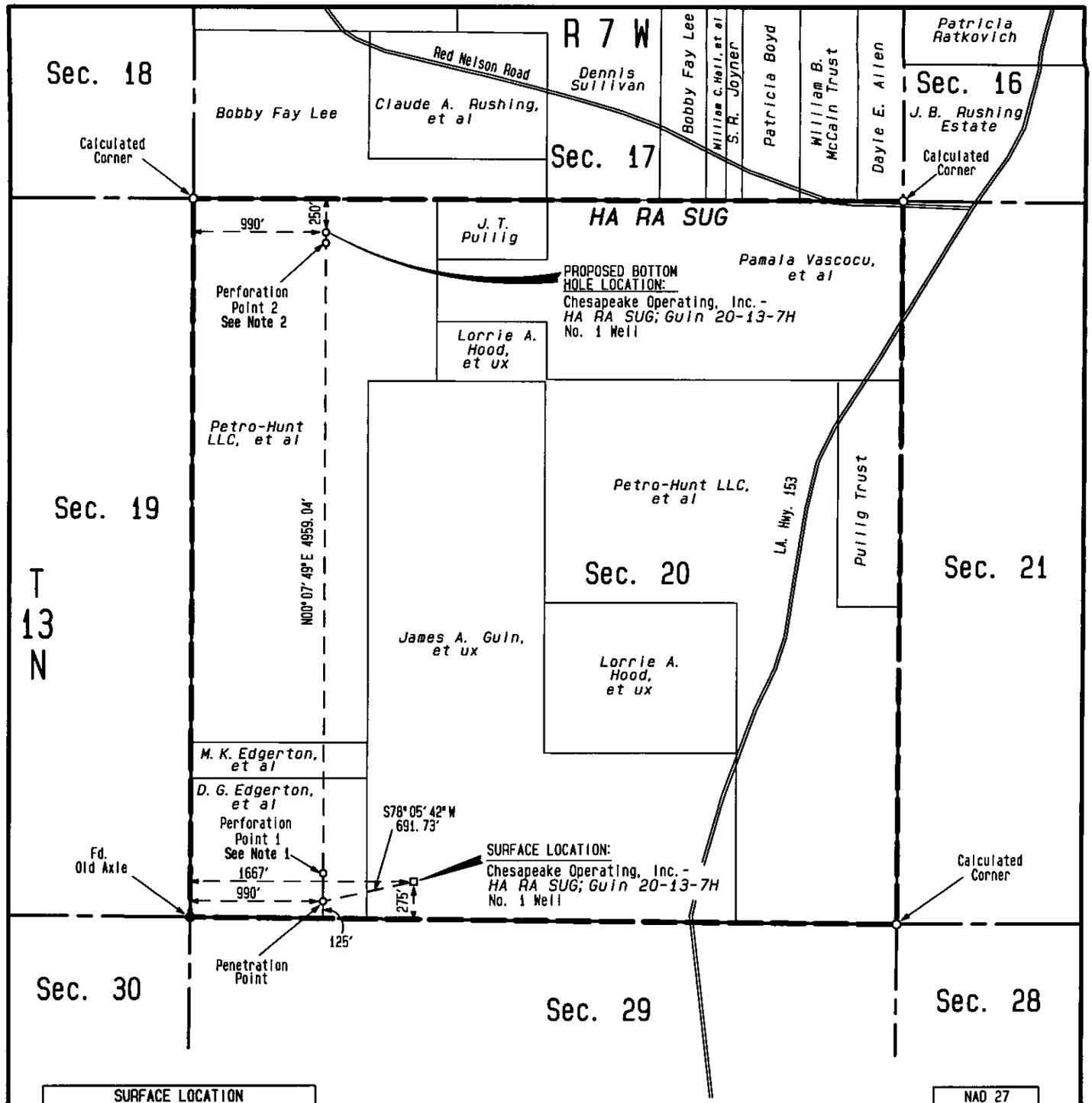
BY: _____
Engineer

RECEIVED

AUG 30 2010

CONSERVATION
SECTION

242011



SURFACE LOCATION	
NAD 27	NAD 83
LAT: 32.090388 N LONG: 93.111879 W X=1,810,506 Y= 518,410	LAT: 32.090544 N LONG: 93.112046 W X=3,091,292 Y= 579,116
PROPOSED BOTTOM HOLE LOCATION	
NAD 27	NAD 83
LAT: 32.103618 N LONG: 93.114116 W X=1,809,841 Y= 523,227	LAT: 32.103773 N LONG: 93.114283 W X=3,090,627 Y= 583,932

	NAD 27
PENETRATION POINT	X=1,809,829 Y= 518,268
PERFORATION POINT 1	X=1,809,830 Y= 518,473
PERFORATION POINT 2	X=1,809,840 Y= 523,147

Note 1: Perforation Point to be no closer than 330' from the South Line of Section 20.

Note 2: Perforation Point to be no closer than 330' from the North Line of Section 20.

Chesapeake Operating, Inc. -
HA RA SUG; Guin 20-13-7H No. 1 Well
Prepared August 11, 2010 as follows:
SURFACE LOCATION being 275' from the South Line and 1667' from the West Line of Section 20, located in Section 20, T13N-R7W.
PROPOSED BOTTOM HOLE LOCATION to be 250' from the North Line and 990' from the West Line of Section 20, located in Section 20, T13N-R7W, Natchitoches Parish, Louisiana.

Elevation of Ground at Location +164' NAVD 88.

No residential or commercial structures exist within a 500' radius of the proposed well location on August 11, 2010.

Note: This well is subject to the provisions of Order U-HS.

NAD 27 LAMBERT LA. NORTH ZONE

STATE OF LOUISIANA
John W. Fenstermaker
REG. No. 4797
REGISTERED PROFESSIONAL LAND SURVEYOR

John W. Fenstermaker
Professional Land Surveyor
Registration No. 4797

CHESAPEAKE OPERATING, INC.

HA RA SUG; Guin 20-13-7H No. 1 Well
Section 20, T13N-R7W
Natchitoches Parish, Louisiana

C.H. Fenstermaker & Associates, Inc.

1000' 500' 0' 1000'

Civil Engineers Environmental Consultants Land Surveyors
Houston Lafayette New Orleans

REVISED:	
2108112 I:/infocad/north/COINLA2 442	Drawn By: MKC
Date: August 11, 2010	Proj. Mgr.: JWF