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November 24, 2008

U.S. Nuclear Regulatory Commission – Region IV  
Division Director, Division of Nuclear Material Safety  
611 Ryan Plaza Drive  
Suite 400  
Arlington, Texas 76011-8064

RECEIVED

NOV 25 2008

DNMS

**Attention: Richard Leonardi**

CC:  
Mineral Management Service  
1201 Elmwood Park Blvd.  
Mail Stop 5020  
New Orleans, LA 70123  
Attention: Marty Rinado

**RE: NRC Radioactive Materials License Number 17-27623-01**  
**Abandonment of Radioactive Sources**

This notice is being furnished to describe the final abandonment of two (2) radioactive sources associated with LWD well-logging activities as described in the referenced license.

Date of Occurrence:	29 October 2008
Company Name:	Mariner Energy, Inc. 2000 W. Sam Houston Pkwy South Suite 200 0 Houston, TX 77042
Well Name:	OCS-G-02319 C5 ST01 BP00 API # 17-710-412202-01
Well Location (surface):	Lat. 28.11.4.0244 N - Lon. 91.30.24.0279 W 1944132.000000 X , -175338.93000 Y Eugene Island Block 342 Offshore Louisiana (Federal Waters)
Depth of Well:	13,113' md 10,340' tvd
Bottom of Fish:	13,113' md 10,340' tvd
Depth of 10.8 milli Curie Cf-252 Source	13,036' md 10,283'tvd
Depth of 1.7 Curie Cs-137 Source:	10,340' md 10,286' tvd

Depth of Top Fish: 10,117' md  
7870' tvd

Depth of Top of Cement Plug : 12,163' md  
9633' tvd

Depth of Bottom Cement Plug : 13,113' md  
10,340' tvd

Description of Sources: One 1.7 Curie Cs-137, Doubly Encapsulated, Special Form,  
Well Logging Sealed Source  
Serial Number: 5184 - GW  
Amersham Model CDC.CY6

One 10.8 milli Curie Cf-252, Doubly Encapsulated, Special Form,  
Well Logging Sealed Source  
Serial Number: FTC-CF- 2905  
Frontier Technology Model 100 SNS

While drilling a 6-1/2" hole to 13,113' MD/ 10,340' TVD on October 26,2008 the top drive stalled out. Attempts to PU off bottom were unsuccessful. While working stuck pipe and attempting to jar, a sack fishing tool was spotted inside and outside the BHA until October29, 2008. A free point indicator was run and it showed the pipe to be stuck just out side the shoe, the decision was made to abandon the BHA and radioactive sealed sources.

Ms Jackie Cook (NRC – Region IV) was notified on October 29, 2008 at 2:30 PM and given details of the abandonment plan, which included 2919' of drill pipe left above the sources to act as a mechanical deflection device and prevent inadvertent intrusion on the sources. A 950' cement plug was pumped in and around the radioactive sources. Ms Cook gave a verbal approval with the agreement that a formal report would be filed within 30 days of the abandonment she requested the letter be sent to Mr. Richard Leonardi.

A sidetracked well is planned to be drilled. The sidetrack well is planned **not** to come within 15 ft of the sources.

You will also find attached a diagram of the well showing the depth of the sources and a sheet showing the information contained on the permanent identification plaque that will be supplied to Mariner Energy, Inc.

If you need additional information or have any questions please contact me at the letterhead address.

Sincerely,



James Bolling  
Regional Radiation Safety Officer

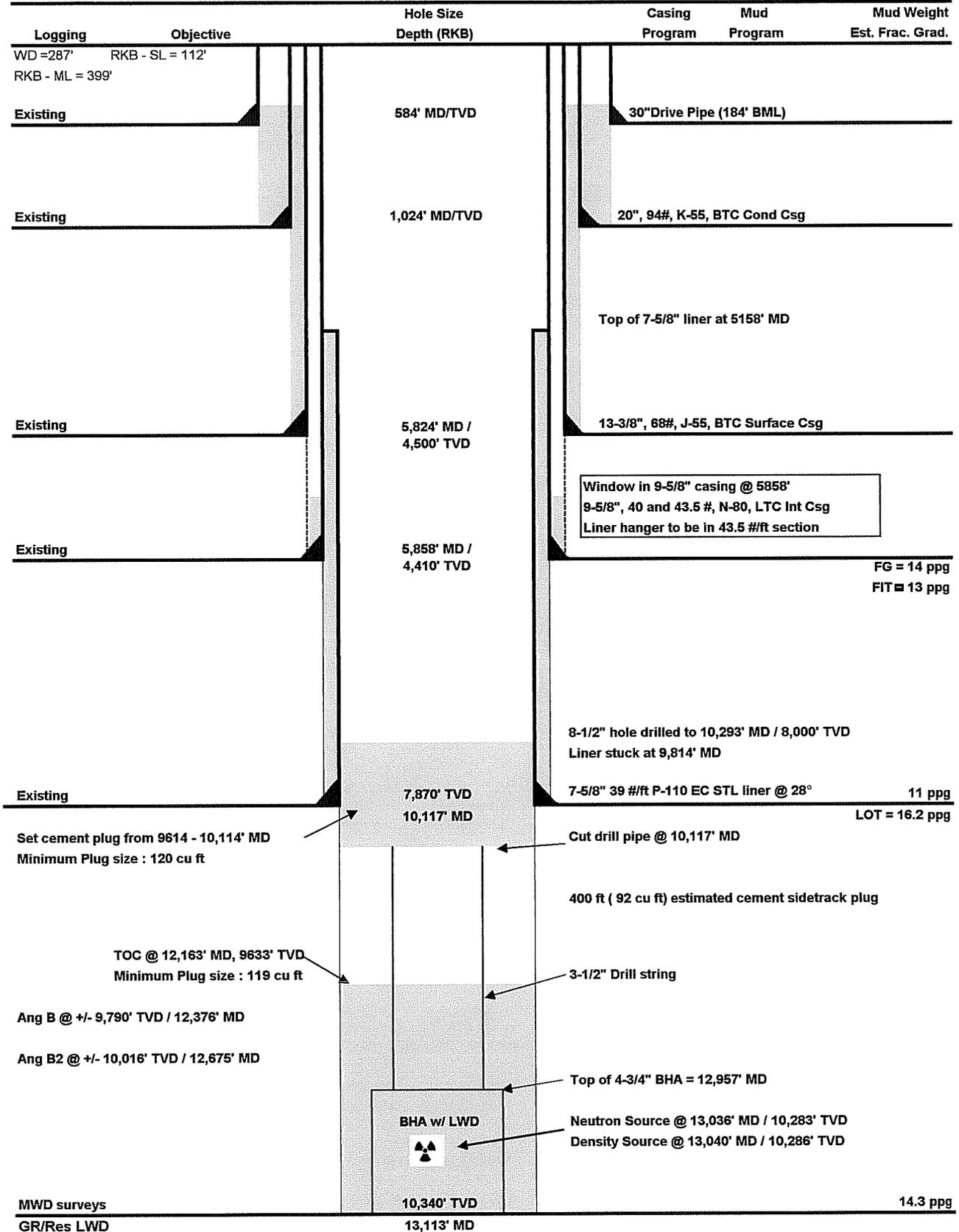
ENC: Facsimile of Abandonment Plaque  
Well Diagram

CC: Mike Castille – V.P. North America LWD Operations  
A.J. Broussard – M/LWD Operations Manager  
Steve Hopkins – Mariner Energy, Inc

**MARINER ENERGY, INC.**  
**OCS-G 2319 #C-5 STK**  
**Eugene Island Block 342**  
**WELLBORE SCHEMATIC**

October 29, 2008

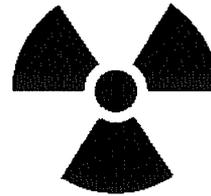
Shorebase: Newpark Dock in Fourchon



**COMPANY:** MARINER ENERGY, INC.  
**HOUSTON, TX**  
**WELL:** OCS-G 02319 C5 ST01 BP00  
**API 17-710-412202-01**  
**LOCATION:** EUGENE ISLAND BLOCK 342  
**OFFSHORE GOM**



**CAUTION**



**ONE 1.7 CURIE Cs-137 AND ONE 10.8 MILLICURIE CF-252  
RADIOACTIVE SEALED SOURCES ABANDONED ON  
29 OCTOBER 2008 13,036 FT MD (10,283 FT TVD)  
PLUGBACK DEPTH 12,163 FT MD (9633 FT TVD)**

**DO NOT RE-ENTER THIS WELL  
BEFORE CONTACTING  
US NUCLEAR REGULATORY COMMISSION OR  
MINERALS MANAGEMENT SERVICE**