

HALLIBURTON

4607 Highway 90 East • Post Office Box 587
Broussard, LA 70518
Main: 337-837-3061 • Fax: 337-837-0229

November 15, 2010

U.S. Nuclear Regulatory Commission - Region IV
Texas Health Resources Tower
612 E. Lamar Blvd., Suite 400
Arlington, TX 76011-4125

RECEIVED

NOV 19 2010

DNMS

Attn: Division Director - DNMS

Re: **Notification of Source Abandonment**
Halliburton Energy Services, Inc.
USNRC License # 42-01068-07

This letter comprises the required 30-day written notification of source abandonment as per 10 CFR 39.77(d). This is a follow-up to the telephone conversation between Gino Sibille (Halliburton) and Mr. Charles Cain (NRC Region IV) on October 19, 2010 in which permission to proceed with the abandonment was granted.

Date of Occurrence: October 19, 2010

Company Name: ADTI Northstar
Park Ten Center
1311 Broadfield Blvd.
Houston, TX 77084

Well Name & Registration No: OCS-G13606 A004 ST01 BP00
17-70640-829-01

Well Location: Vermilion Block 379
Offshore Gulf of Mexico
USA

Source(s) Abandoned: Two 4 Curie Am-241/Be doubly-encapsulated special form radioactive sources. QSA Global, Inc. Model AMN.CY17. Source Serial Numbers 8302NK/8303NK.

One 2.0 Curie Cs-137 doubly-encapsulated special form radioactive source. QSA Global, Inc. Model CDC.CY13. Source Serial Number 49312B.

Logging sources held within source ports contained in the sidewalls of heavy pipe wall Measurement

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While Drilling (MWD) logging tools. Sources threaded into place and torqued down.

Two energy compensation sources contained within detector assembly installed in density tool collar.
One 135 nano Curie Cs-137 sealed source, Eckert & Ziegler Model A3888, serial number E6-022.
One 230 nano Curie Cs-137 sealed source, Eckert & Ziegler Model A3888, serial number E8-884.

Depth of Well: 6,153 ft. MD (5,453 ft. TVD)

Depth of Bottom of Fish: 6,114 ft. MD

Depth of 8 Ci Am-241/Be source: 6,051 ft. MD

Depth of 2.0 Ci Cs-137 source: 6,066 ft. MD

Depth of Top of Fish: 4,800ft. MD
(Top of Abandoned Drill string)

Length of Abandoned Drill string located above sources: 1,234 feet of drill pipe above abandoned sources

Depth of Bottom of Cement Plug: 4,800 ft. MD

Depth of Top of Cement Plug: 3,950 ft. MD
(850 ft. cement plug)

Recovery Efforts: 10/15/10 @ 06:00 Pulled off bottom to 6,214 MD and became stuck. Began Jarring
10/15/10 @ 10:00 Continued Jarring, will run free point tool to determine where they are stuck.
10/16/10 - Running Free point
10/17/10 @ 17:45 - Running Free point
10/17/10 @ 18:40 - Freed pipe at 4,280 MD +/- Circulating and POOH
10/18/10 @ 00:30 - Trip in hole with Smith fishing tool

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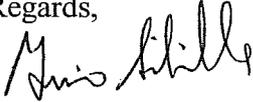
Results of Efforts to Immobilize
and Seal the Source in Place:

On October 19, 2010 the BHA with radioactive sources and the drill string above the BHA were immobilized by placement of a cement plug.

Warning Statement:

A warning plaque will be made and provided to ADTI Northstar for mounting on the wellhead. See attachment for template of warning plaque.

Regards,



Gino Sibille
Local Radiation Safety Officer
Halliburton Energy Services

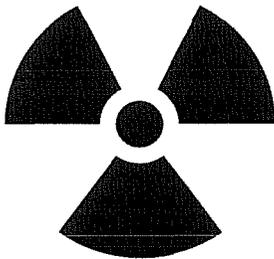
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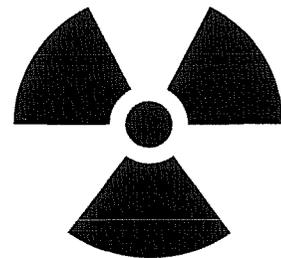
Attachments: Warning Statement

ABANDONMENT PLAQUE

ADTI Northstar
OCS-G13606 A004 ST01 BP00
17-70640-829-01



CAUTION



**TWO 4 CURIE Am-241Be RADIOACTIVE SOURCE, AND ONE 2.0 CURIE
Cs-137 RADIOACTIVE SOURCE ABANDONED 19 OCTOBER 2010 AT
6,051 FT. MD AND AT 6,066 FT MD. PLUG BACK DEPTH 3,950 FT. MD
AVOID BORE BELOW PLUG BACK, AND DO NOT RE-ENTER THIS
WELL BELOW PLUG BACK BEFORE CONTACTING
U.S. NUCLEAR REGULATORY COMMISSION**