



Superior Well Services, Inc.  
 1380 RT 286 East Suite #121  
 Indiana, PA 15701  
 Telephone 724-465-8904

United States Nuclear Regulatory Commission  
 Region I  
 475 Allendale Road  
 King of Prussia, PA 19406-1415

December 14, 2009

37-30412-01  
 03034542

To Whom It May Concern:

Superior Well Services is generating this report based on the abandonment of a well logging density source that was irretrievably stuck in a wellbore on November 8, 2009.

1. Date of Occurrence: 11/06/2009  
 Date determined irretrievable: 11/08/2009
  
2. Description of the irretrievable well logging source involved including radionuclide and its quantity, chemical and physical form:
  - Radionuclide: Cs-137
  - Quantity: 2 Ci
  - Physical Form: Double encapsulate sealed source
  - Model: CDC.CYn
  - Manufacturer: QSA Global
  - Serial Number: 41142B
  
3. Surface location and identification of the well:
  - Diversified Resources – JD Fortney # D – 161
  - Lumberport, WV
  - Lat. 39° 21' 57.16" North
  - Long. 80° 19' 53.36" West
  
4. Results of efforts to immobilize and seal the source in place:
  - The source was immobilized and sealed in place by means of a two hundred fifty four (254) foot vertical column of Class A cement topped with an inverted six and one quarter (6 ¼) inch drill bit on the end of a four and one half (4 ½) inch pup joint.
  
5. Description of the attempted recovery effort:
  - Baker was contracted 4:00pm as the fishing company on Friday, November 6, 2009. The first fishing attempt commenced on November 6, 2009 at 11:15 pm using an overshot in an attempt to grapple the logging tool string. The first attempt was successful in retrieving the neutron tool and the neutron source.
  - A second attempt commenced at 2:00pm with specialty tools (20 foot washdown) on November 7, 2009. The second attempt was successful in recovering another small piece of the tool string. It was decided that a third attempt may damage the structural integrity of the density source and should be forfeited leaving the density source as irretrievable in the wellbore.

REC'D IN LAT OCT 28 2010

NMSS/RGN1 MATERIALS-002



- 
6. Depth of the source:  
4,013 feet
  7. Depth of the top of the cement plug:  
3,759 feet
  8. Depth of the well:  
4,013 feet
  9. The immediate threat to public health and safety justification for implementing abandonment if prior NRC approval was not obtained in accordance with paragraph (c)(1)(ii) of this section:  
  
No immediate threat to public health and safety. The abandonment plan was approved by U.S. NRC representatives Sattar Lodhi and Marie Miller on 11-9-09. Preliminary notification was made to U.S. NRC headquarters at 0850 on 11-08-09 to Pete Snyder.
  10. Any other information, such as a warning statement, contained on the permanent identification plaque:  
  
The word "CAUTION" in large letters  
The radiation symbol  
The date of abandonment  
The name of the well operator  
The well name and well identification number  
The sealed source by radionuclide and quantity of activity  
The source depth and the plug back depth  
An appropriate warning, DO NOT DRILL BELOW PLUG BACK DEPTH, followed by --- BEFORE CONTACTING THE U.S. NUCLEAR REGULATORY COMMISSION
  11. State and Federal agencies receiving a copy of this report:  
  
U.S. NRC -- Region I

Respectfully,

Lew Cessna  
HSE Compliance Manager  
Superior Well Services  
724-465-8904 Office  
866-446-SWSI Fax  
lcessna@swsi.com