

Single Event Report

NMED Item Number: 050103

Narrative:

Last Updated: 04/14/2008

Schlumberger reported that the licensee has a stuck well logging source tool in a well located in Knott County, Kentucky. When trying to retrieve the tool, it broke in half. The upper portion of the tool, containing the Am-241 source, was retrieved with no radioactive contamination detected. The rest of the tool, containing the Cs-137 source with an activity of 62.9 GBq (1.7 Ci), is at an estimated depth of 3,460 feet. There is no source rupture or radioactive contamination. The licensee will pour 500 feet of cement on top of the stuck source and then place a wipstock on top of the cement plug. State of Kentucky Department of Radiation Control personnel will be present when the well is plugged. The INL has requested additional information for this event.

Event Date: 02/18/2005 Discovery Date: 02/18/2005 Report Date: 02/18/2005

Licensee/Reporting Party Information:

Regulated By: AGREEMENT STATE Reciprocity: NONE
License Number: KY-201-027-56 Name: EQUITABLE PRODUCTION CO.
Docket Number: NA City: NR
Program Code: NA State: KY
Responsible NRC Region: 1

Site of Event:

Site Name: KNOTT COUNTY State: KY

Additional Involved Party:

License Number: NA City: NA
Name: NA State: NA

Other Information:

NRC Reportable Event: Y Abnormal Occurrence: N
Agreement State Reportable Event: Y Investigation: Y
Atomic Energy Act Material: Y Record Complete: R
Consultant Hired: N Event Closed by Region/State: Y

Event Cause:

Event Type: Cause:
LAS - LOST/ABANDONED/STOLEN WELL LOGGING SOURCE ABANDONED DOWNHOLE

Corrective Actions Information:

Event Type: Number: Action:
LAS 1 SOURCE ABANDONED ACCORDING TO PROCEDURE

Source/Radioactive Material Information:

LAS
Source Number: 1
Source/Material: SEALED SOURCE WELL LOGGING Radionuclide: CS-137
Manufacturer: NR Activity (Ci): 1.7
Model Number: NR Leak Test Results (uCi): NA
Serial Number: NR

A/1

Device/Associated Equipment Information:

LAS

Device Number: 1

Device/Equipment: WELL LOGGING TOOL Model Number: NR

Manufacturer: NR Serial Number: NR

Reporting Requirement Information:

Event Type: Requirement:

LAS 39.77(d) - Irretrievable well logging source.

Reference Documents:

Reference Document Number:	Entry Date:	Retraction Date:	Type of Report:
EN41419	02/23/2005		EVENT NOTIFICATION REPORTED FROM AN AGREEMENT STATE
LTR080409	04/14/2008		AGREEMENT STATE LETTER