

October 31, 2007

Mr. Jack Whitten  
U.S. Nuclear Regulatory Commission  
Region IV  
611 Ryan Place Drive, Suite 400  
Arlington, TX 76011-4005

RECEIVED

NOV 5 2007

DNMS

Re: Notification of Irretrievable Cesium 137 Source.

Dear Mr. Whitten:

This letter is written in regards to the Cesium 137 source, which was abandoned in the CNX Gas Company well in West Virginia, and telephone communications with Mr. Robert Brown of your Region IV office. In regards to this, please see below the following information:

1. Date of Occurrence. The geophysical well logging tool and source was lost on September 28, 2007 at approximately 3:15 AM, EDT. The abandonment/plug back procedures took place on October 4<sup>th</sup>, 2007.
2. The source was an Isotope Products Model A3015, Cs137 source, of 300 mci, and source serial number CZ-1107. This is typical sealed source used for well logging.
3. The surface location was designated as Well Number SC-10 Production, located in Marian County, West Virginia.
4. The well was 1620 feet in depth, and cement was used to plug back 220 feet above the logging tool and source. An inverted drill bit and drill pipe was set above the cement to act as a deflection device. The well was then completed as a "coal-bed methane" gas well by the customer, in a coal seam located at 1315 to 1321 feet.
5. The attempted recovery of the source was done with many techniques to access the location of the tool and source. As the tool was dislodged from the logging cable due to the surface pipe at 400 feet or large washout below the surface pipe (or combination of the two), the first procedure involved the use of a down-hole video camera to locate the tool in the well. This resulted in locating only the caliper arm, which had broken off the tool when the logging tool fell back to the bottom of the well. The video camera was then taken to the bottom of the well, but due to sloughing of formation materials, the logging tool was not observed.

The next procedure was tried to "clean" the hole of the drilling materials, by using the drilling rig and compressed air to blow out the hole. This resulted in more materials falling in the well, and the camera was used again, without the tool being observed. Secondly, the well was cleaned up by mixing drilling mud, and circulation of the well to remove the excess materials. This also did not help much, and the video camera again did not view any portion of the logging tool, therefore the tool was located at the bottom of the well, with some formation materials above the tool.

Lastly, the customer used an "overshot fishing tool" to try to grab the top of the tool and retrieve it from the well. With this technique, once the tool is caught in the overshot, the pump pressure of the drill rig will increase, indicating the tool has been caught. Two fishing attempts were made, but in neither attempt, any pieces of the logging tool retrieved. Survey records attached indicate no contamination was observed during any of these attempts of recovery.

As the customer had ruptured a source in the past, and due to the location of the tool at the bottom of the well, it was decided that it would be much safer to abandon the tool. The customer representative, Mr. Sam McLaughlin, CNX Gas legal counselor, Mr. Jay Hammond, and Century's logging engineer, Mr. Dwayne Smith, made a conference call to Mr. Robert Brown, and it was decided to plug the well back 200 to 250 feet, and then complete the well. As I was training some customers in Wyoming during these discussions, this was verified with the above personnel the following day, on October 4<sup>th</sup>, when the plug-back procedures were implemented. Mr. Dwayne Smith of our company stayed on location, and observed and documented the procedures.

6. Depth of the source would be 1620 feet, as the source is located at the bottom of logging tool.
7. Depth of the cement plug is 1400 feet.
8. Depth of the well is 1620 feet.
9. An appropriate warning plaque was placed on the well-head, as confirmed by Sam McLaughlin of CNX Gas.
10. Copies of this letter will be sent to the USNRC office in Arlington, USNRC of Atlanta, and a copy to the customer.

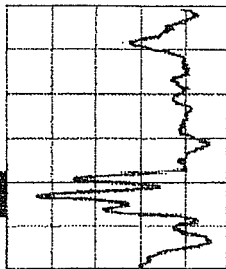
If you have any questions regarding this, please contact myself here in Tulsa at 918-838-9811 ext.103.

Sincerely,

Brian Peterson  
Operations Manager/RSO

	A	B	C	D
1	Radiation Safety Monitor Record	Century Wireline Services		
2				
3	DATE:	10/1/2007		
4	Location	Reading	Time	Remarks
5	Drill Floor	.03 mr/hr	8:00	background
6	Camera Tool	.04 mr/hr	12:00	background
7	Cuttings Sample	.05 mr/hr	15:50	background
8	Cuttings Sample	.05 mr/hr	4:30:00 PM to 17:30	background
9	Cuttings Sample	.04 mr/hr	17:30 to 18:00	background
10	Cuttings Sample	.04 mr/hr	18:15	background
11	Cuttings Sample	.03 mr/hr	18:30	background
12	Camera Tool	.03 mr/hr	20:10	background
13	Cuttings from Discharge Pipe	.03 to .07 mr/hr	20:10 to 02:45	background
14	Drill Floor/Table	.04 mr/hr	2:45	background
15				
16	DATE	10/2/2007		
17	Cuttings from Discharge Pipe	.03 mr/hr	11:00 to 11:30	background
18	Cuttings from Discharge Pipe	.05 mr/hr	11:30	background
19	Cuttings from Discharge Pipe	.03 mr/hr to .08	12:00 to 13:00	background
20	Cuttings from Discharge Pipe	.05 to .07mr/hr	16: to 17:30	background
21	Drilling Table	.03 mr/hr	17:30	background
22	Drill Pipe	.03 mr/hr	17:30	background
23	Cuttings from Discharge Pipe	.04 to .07 mr/hour	20:00 to 22:00	background
24	Last 2 pipe joints & fishing tool	.03 mr/hr	22:00	background
25	Drilling Table & Floor	.05 mr/hr	22:00	background
26				
27	Survey Recorded By	Dwayne A Smith	Survey Meter	Ludlum Model 3
28		Senior Logging Engineer		SN# 242081
29	Signature			Cal Date: 08-02-07
30			Detector:	Model 44-6
31				SN# PR256899

	A	B	C	D
1	Radiation Safety Monitor Record	Century Wireline Services		
2				
3	DATE:	10/4/2007		
4	Continuous Monitoring of Mud Discharge			
5	Location	Reading	Time	Remarks
6	Mud Discharge Flow	.03 mr/hr	Continuous Monitoring 12:30 to 13:00	Mud return was monitored continuously with readings recorded at random intervals
7	Mud Discharge Flow	.07 mr/hr		
8	Mud Discharge Flow	.08 mr/hr		
9	Mud Discharge Flow	.02 mr/hr		
10	Mud Discharge Flow	.05 mr/hr		
11	Mud Discharge Flow	.04 mr/hr		
12				
13			Continuous Monitoring 13:15 to 14:15	Mud return was monitored continuously with readings recorded at random intervals
14	Mud Discharge Flow	.02 mr/hr		
15	Mud Discharge Flow	.08 mr/hr		
16	Mud Discharge Flow	.09 mr/hr		
17	Mud Discharge Flow	.05 mr/hr		
18	Mud Discharge Flow	.15 mr/hr		
19	Mud Discharge Flow	.04 mr/hr		
20	Mud Discharge Flow	.08 mr/hr		
21	Mud Discharge Flow	.10 mr/hr		
22	Mud Discharge Flow	.05 mr/hr		
23	Mud Discharge Flow	.06 mr/hr		
24	Mud Discharge Flow	.12 mr/hr		
25	Mud Discharge Flow	.05 mr/hr		
26	Mud Discharge Flow	.10 mr/hr		
27	Mud Discharge Flow	.03 mr/hr		
28	Mud Discharge Flow	.07 mr/hr		
29	Mud Discharge Flow	.13 mr/hr		
30	Mud Discharge Flow	.04 mr/hr		
31	Mud Discharge Flow	.07 mr/hr		
32	Mud Discharge Flow	.13 mr/hr		
33	Mud Discharge Flow	.10 mr/hr		
34	Mud Discharge Flow	.03 mr/hr		
35	Mud Discharge Flow	.01 mr/hr		
36	Mud Discharge Flow	.10 mr/hr		
37				
38	Survey Recorded By	Dwayne A Smith	Survey Meter	Ludlum Model 3
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40	Signature			Cal Date: 08-02-07
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