

Schlumberger Technology Corporation
Radiation Explosives Compliance
300 Schlumberger Drive, MD 121
Sugar Land, TX 77478



May 02, 2018

Michael Vasquez
United States Nuclear Regulatory Commission
Region IV
1600 East Lamar Blvd
Arlington, Texas 76011

RE: Source Abandonment for Ankor Energy LLC OCS-G 01204/01205 C003

Dear Michael,

This letter is to confirm the abandonment of an irretrievable radioactive logging source in a well in accordance with 10 CFR §39.77(d). Information for this abandonment is attached.

Licensee: Schlumberger Technology Corporation (License# 42-00090-03)

If you have any questions or require additional information, please contact me at 281-285-8775 or mclaughlin8@slb.com.

Sincerely,

A handwritten signature in blue ink, appearing to read "Timothy P. McLaughlin".

Timothy P. McLaughlin
Radiation Safety Officer
Schlumberger Technology Corporation

Source Abandonment - Ankor Energy LLC
Well: OCS-G 01204/01205 C003

Date of Occurrence: Declared irretrievable: April 23, 2018

Source #1

Identification: 1.7 Ci, Cs-137, Gamma Ray Source, Serial # A2975

Manufacturer: QSA Global

Model: CDC.CY3

Depth: 7625 ft MD

Well Identification Company: Ankor Energy LLC
Well: OCS-G 01204/01205 C003
Field: South Marsh Island 072
County: Offshore
API Number: 177084001901

Seal Results: The drill pipe was severed at 7531 ft MD on April 23, 2018 leaving approximately 90 feet of drill pipe and other BHA components permanently in the well to serve as a deflection device. After conditioning the well, the pipe was positioned at 7531 ft MD and on April 23, at 23:00 enough cement was pumped to establish a cement plug of 150 ft in length. On April 24, the rig tagged cement at 7388 ft MD and drilled to 7431 ft MD, leaving 100 linear feet of cement in place to seal and isolate the source in place. Casing was then run to the top of the cement plug at 7431 ft MD and cemented in place.

Recovery Attempts: The drill pipe became stuck in the well on April 22, 2018. The rig immediately began standard operations (working the pipe and circulating) to free the stuck pipe, but was unable to either move the pipe or circulate the drilling mud. The rig then jarred on the pipe for over 11 hours with no results. After running a free point service the pipe was severed at 7531 ft MD. Due to loss of circulation and no progress during prior jarring operations the client elected to abandon the source in place.

Depth of Well: 7,750 ft MD

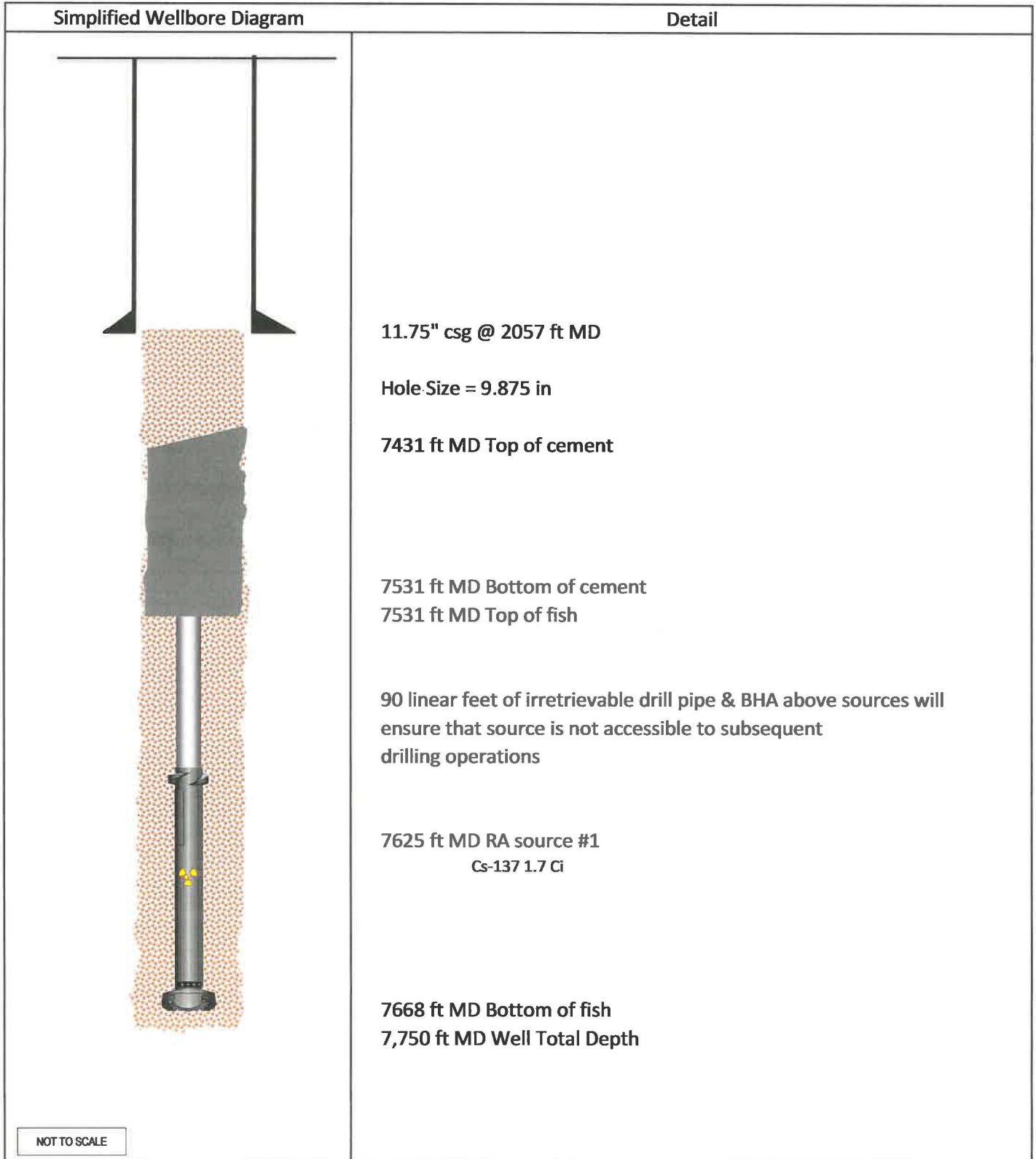
Identification Plaque as required by 10 CFR §39.15(a)(5)(iii) will be provided for attachment to wellhead.

Reports: No other agency will receive a copy of this report.

Initial Contact: By telephone with Michael Vasquez on April 23, 2018 03:15 PM.

Ankor Energy LLC

OCS-G 01204/01205 C003



Schlumberger Technology Corporation
Radiation Explosives Compliance
300 Schlumberger Drive, MD 121
Sugar Land, Tx 77478

Schlumberger

Graphics N' Metal
1200 Clausel Street
Mandeville, La. 70448
(504) 669-6082
(985) 727-2165

May 01, 2018

Attn: Ernie Jilek,

Please construct the standard abandonment plaque with the following information:

Company	Ankor Energy LLC
Well Name	OCS-G 01204/01205 C003
Field	South Marsh Island 072
API#	177084001901
Date of abandonment	April 23, 2018
Well depth	7,750 ft MD
Plug back depth	7431 ft MD
Top of fish	7531 ft MD
Abandoned Source	Cs-137, 1.7 Ci, Gamma Ray Source @ 7625 ft MD

Special Instructions: DO NOT DRILL BELOW PLUG BACK DEPTH BEFORE CONTACTING REGION IV OF THE NUCLEAR REGULATORY COMMISSION

Please forward the completed plaque and invoice to me.

Sincerely,



Charles Deible
Radiation Safety Officer
Schlumberger U.S.



QSA GLOBAL

QSA Global, Inc.

40 North Avenue
Burlington, MA 01803
Telephone: (781) 272-2000
Toll Free: (800) 815-1383
Facsimile: (781) 273-2216

Radioactive Sealed Source Certificate and Test Report

Model: *CDC.CY3* Radionuclide: *CS137* Nominal Activity: *1.78 Ci*
Product Code No: *CDCK8404* ANSI/ISO Classification: *97C66646*
Special Form Certificate No: *USA/0650/S-96*

Description: *GGLS-DA (GGLS-DA containing a CDC.CY3 (CDCK7425))*

Capsule: *GGLS-DA (Contains Outer Capsule X2170/1; Inner Capsule X1187)*

Classifications are based on testing of specimen sources and give the levels expected from the production sources.

Recommended Working Life: *15 Years*

See other side for explanation.

Source Serial Number	Measurements		Leakage Test		Contamination Test	Other Tests Description
			Type	Type	Type	
			Date Passed	Date Passed	Date Passed	
<i>GGLS-DA-A2975</i>	<i>1,340 nGy/s (1.68 Ci)</i>	<i>Nov-19-2007</i>	<i>M Nov-19-2007</i>	<i>D Nov-13-2007</i>	<i>A Jan-28-2008</i>	<i>SC-924CO 108</i>

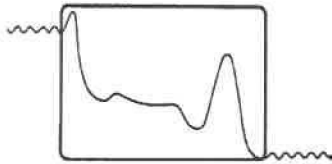
Notes:
*CDCK7425 Source capsule X2170/1 passed a pressure test of 30,000 psi per SPS-L-1722 on 22 Jan.08. Passed through gauge No. SCH1999/4949. Immersion test and Bubble test are on X1187 inner cell. Source model CDCK7425 is built to the specifications of SLB Model GSR-Z under drawing H408995D. CDCK8404 is built to the specifications of SLB Model GGLS-DA under drawing 100184817D. Assembly passed through Dummy pocket.
Cs-134 content <1% of total activity.
Made in USA.*

Customer: *SCHLUMBERGER TECH C/O NSSI*

Sales Order: *178028*

Jan-29-2008

Signed: 



Monitoring Services

P.O. BOX 266677 . HOUSTON, TEXAS 77207-6677 . AREA CODE 713-478-6820 . FAX 281-532-0929
leaktest1@comcast.net

SEALED SOURCE LEAK TEST CERTIFICATE

RADIATION SAFETY

SCHLUMBERGER Anadrill Loc.1004
135 ROUSSEAU ROAD

CUSTOMER #: 2138

YOUNGSVILLE

LA
70592

SOURCE #: 45692

ACOUNT #: 2138

RADIONUCLEIDE: CS-137 SOURCE CODE: GGLS-DA

ACTIVITY: 1.7 CI SERIAL NO: A2975

WIPE DATE 12/26/2017

EFFICIENCY: 0.95

GROSS CPM: 29 BKG CPM: 19 NET CPM: 10

NET CPM
EFF X 2.22x10⁶ DPM/u CI = MICROCURIE

THE ABOVE SOURCE WIPE TEST HAS BEEN ASSAYED IN ACCORDANCE WITH OUR RADIOACTIVE MATERIAL LICENSE AND THE APPROPRIATE REGULATORY REQUIREMENTS. THE REGULATIONS DEFINE A LEAKING SOURCE AS ONE FROM WHICH AN APPROPRIATE WIPE TEST HAS REMOVED 0.005 (5.0X10E-3) MICROCUIRE OR MORE OF ACTIVITY.

THE REMOVABLE ACTIVITY WAS: 4.74E-06 MICROCURIE

1.75E-01 Bq

ASSAY NO.: 1/12/2018 34 DATE: 1/13/2018

ASSAYED BY: