

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

Schlumberger

April 05, 2018

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

RE: Source Abandonment for Conoco Phillips Alaska, Inc Stony Hill 1

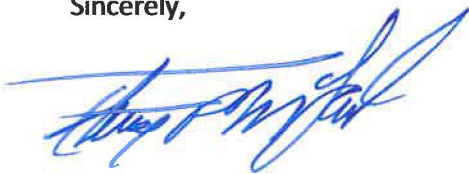
Dear Michael,

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,



Timothy P. McLaughlin
Radiation Safety Officer
Schlumberger Technology Corporation

Source Abandonment - Conoco Phillips Alaska, Inc Well: Stony Hill 1

Date of Occurrence: Declared irretrievable: March 22, 2018

Source #1

Identification: 1.68 Ci, Cs137, Gamma Ray, Serial # A2385

Manufacturer: AEA Technologies

Model: CDC.CY3

Depth: 11,012 ft MD

Well Identification Company: Conoco Phillips Alaska, Inc

Well: Stony Hill 1

Field: North Alaska

County: N/A

API Number: 50-103-20769-00-00

Seal Results: The rig made three attempts to sever and retrieve the drill pipe (10477', 10386', 10075') but all were unsuccessful. The rig then pumped enough cement through the drill pipe and out of the hole left by the severing tool to establish a cement plug in the annulus (between the borehole wall and drill pipe) from 10,075 ft MD to 8000 ft MD, and from 10,075 ft MD to 7280 ft MD inside the drill pipe, effectively sealing and isolating the well logging source in the well. The rig then successfully severed pipe at 5713 ft MD and set a second cement plug in the well bore from 5600 ft MD to 4710 ft MD. The pipe remaining in the well above the source (5300 linear ft) ensures that sources are not accessible to future drilling operations.

Recovery Attempts: At approximately 5:30 AM on March 20, 2018, the drill string containing one well logging source became stuck in the well while drilling. The rig began standard recovery techniques of jarring and reducing mud weight to free the stuck drill pipe. However, while reducing the mud weight the well began showing signs of instability and collapse. Consequently the client elected to permanently abandon the source in place.

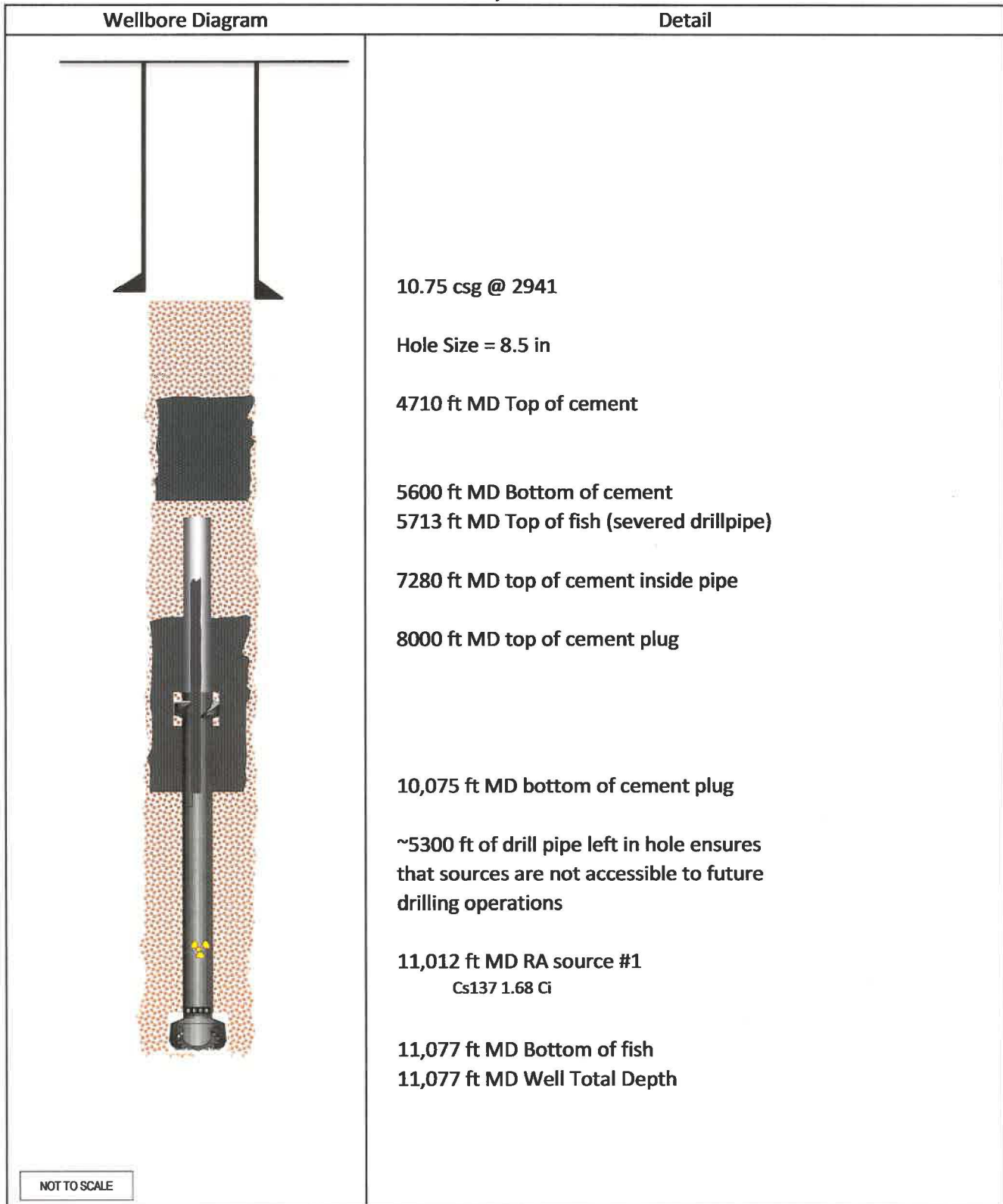
Depth of Well: 11,077 ft MD

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 March 22, 2018 09:43 AM.

Conoco Phillips Alaska, Inc Stony Hill 1





NSSI SOURCES & SERVICES, INC
P.O. 34032 HOUSTON, TEXAS 77234 AREA CODE 713-641-0391
FAX 713-641-6153 WWW.NSSIHOUSTON.COM

SEALED SOURCE ENCAPSULATION CERTIFICATE

Model: CDC.CY3 **Serial Number:** A2385

Active Material: Cesium-137

Activity: 1.68 Ci **Assay Date:** 5 Feb 2004

**Schlumberger
Model:** GSR-Z **Serial Number:** A2385

Description: AEA/Amersham sealed source model CDC-CY3 with the serial number
Shown above encapsulated in a Schlumberger pressure housing model
GSR-Z.

Signed:

Date: 1 Jan. 2005

Sealed Source Data

Source

Manufacturer: AEA Technologies

Inner Capsule

Model: CDC.CY3

Inner Capsule

Assembly: X2170/1

Active

Material: Cs-137

ANSI/ISO

Classification: 97C66646

Inner Capsule

Serial Number: A2385

Inner Capsule

Product Code No: CDCK7425

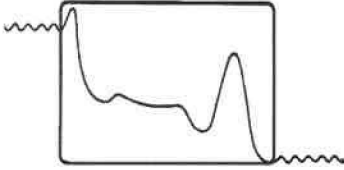
Nominal Activity: 63GBq(1.7Ci)

Special Form

Certificate No: GB/354/S-85

Recommended

Working Life: 15 Years



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

RSO
SCHLUMBERGER 1014
POUCH 340130

CUSTOMER #: 1657

Prudhoe Bay

AK
99734

SOURCE #: 41608

ACCOUNT #: 1654

RADIONUCLEIDE: CS-137

SOURCE CODE: GGLS-CA

ACTIVITY: 8 CI

SERIAL NO: A2385

WIPE DATE 11/16/2017

EFFICIENCY: 0.95

GROSS CPM: 40 BKG CPM: 19 NET CPM: 21

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 (5.0X10⁻³) MICROCURIE OR MORE OF ACTIVITY.

THE REMOVABLE ACTIVITY WAS: 9.96E-06 MICROCURIE

3.68E-01 Bq

ASSAY NO.: 12/2/2017 75 DATE: 12/3/2017

ASSAYED BY:

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

April 05, 2018

Attn: Ernie Jilek,

Please construct the standard abandonment plaque with the following information:

Company	Conoco Phillips Alaska, Inc
Well Name	Stony Hill 1
Field	North Alaska
County	
State	Alaska
API#	50-103-20769-00-00
Date of abandonment	March 26, 2018
Well depth	11,077 ft MD
Plug back depth	4710 ft MD
Top of fish	5713 ft MD
Abandoned Source	Cs137, 1.68 Ci, Gamma Ray @ 11,012 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.