

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



April 09, 2020

Jason Vonehr  
United States Nuclear Regulatory Commission  
Region IV  
1600 East Lamar Blvd  
Arlington, Texas 76011

RE: Source Abandonment for Equinor Gulf of Mexico LLC OCS-G 35081 001 ST00BP00

Dear Jason,

This letter is to confirm the abandonment of irretrievable radioactive logging sources 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 [deible1@slb.com](mailto:deible1@slb.com).

Sincerely,

A handwritten signature in blue ink, appearing to be "C. Deible", enclosed within a blue oval scribble.

Charles Deible  
Radiation Safety Officer  
Schlumberger Technology Corporation

Source Abandonment - Equinor Gulf of Mexico LLC  
Well: OCS-G 35081 001 ST00BP00

Date of Occurrence: Declared irretrievable: March 23, 2020

Source #1

Identification: 555 GBq, Am241Be, NSR-M, Serial # Q1018  
Manufacturer: QSA Global  
Model: AMN-CY19  
Depth: 33,274 ft MD

Source #2

Identification: 63 GBq, Cs137, GSR-Z, Serial # A2956  
Manufacturer: QSA Global  
Model: CDC.CY3  
Depth: 33,277 ft MD

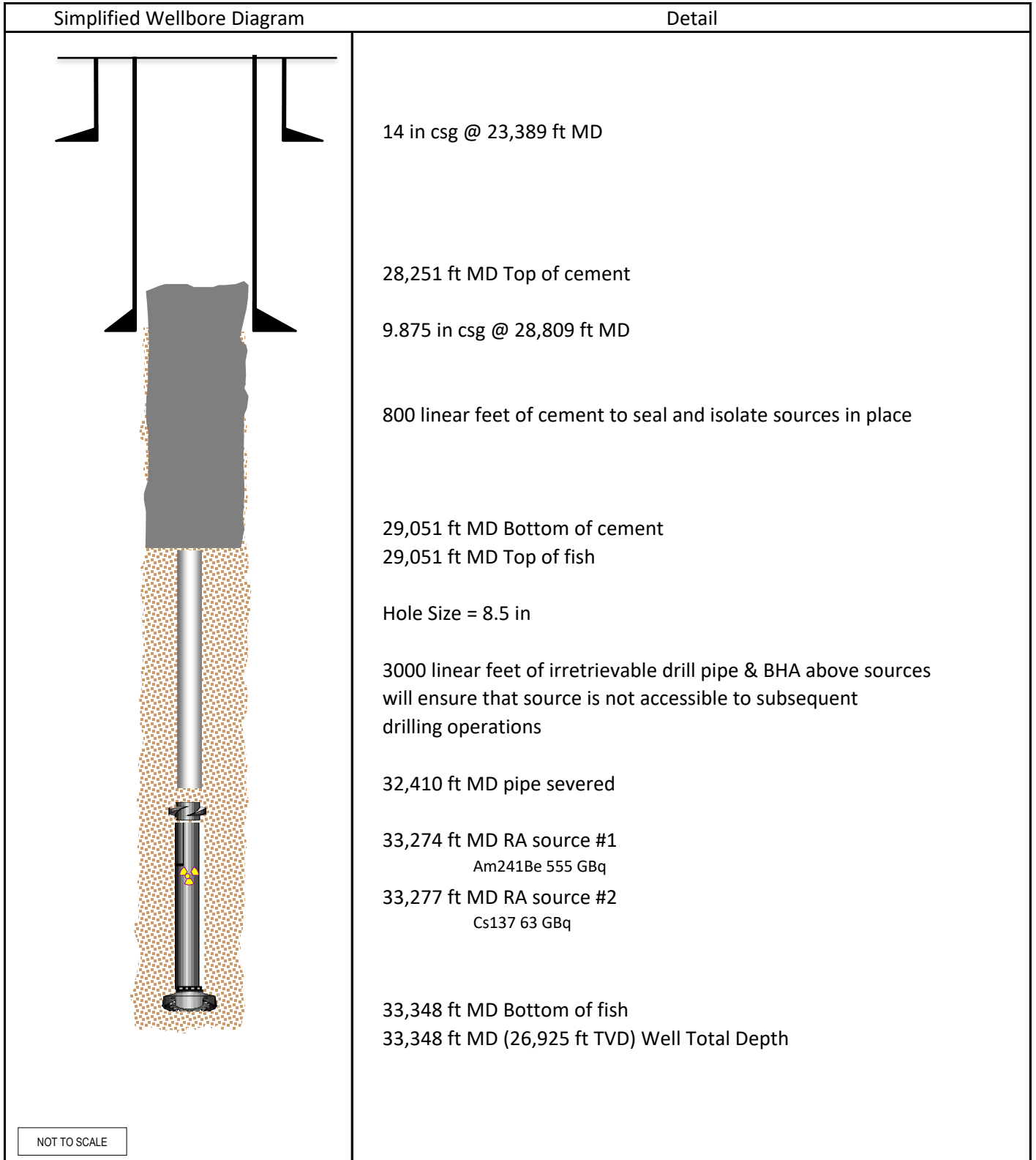
Well Identification Company: Equinor Gulf of Mexico LLC  
Well: OCS-G 35081 001 ST00BP00  
Field: Walker Ridge 316  
County: Offshore  
API Number: 608124013000  
Location: N 26° 39' 47.714", W 91° 33' 26.155"

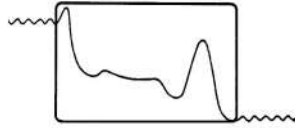
Seal Results: Unable to pull pipe, the open-hole section was abandoned by severing the pipe at 29,051 ft MD and bull-heading a cement plug into the well on March 30. On April 1, 2020 a balanced plug approximately 800 linear feet in length was established from 29,051 ft MD to 28,251 ft MD to seal and isolate the sources in place. More than 3000 linear feet of drill pipe and other BHA components remain in the well to serve as a deflection device and ensure the sources are not accessible to future drilling operations.

Recovery Attempts: On March 19, 2020, the drill string plugged and the rig was unable to circulate drilling fluid. Several attempts were made to reestablish circulation, but all were unsuccessful. In order to regain well control capabilities the pipe was severed above the logging tools at 32,410 ft MD on March 23, and circulation was reestablished. Two cement plugs were then bull-headed into the well on March 25 and 28.

Depth of Well: 33,348 ft MD (26,925 ft TVD)  
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 Jason Vonehr on March 23, 2020 03:15 PM.

## Equinor Gulf of Mexico LLC OCS-G 35081 001 ST00BP00





## Monitoring Services

P.O. BOX 266677 . HOUSTON, TEXAS 77207 . AREA CODE 713/478-6820 . FAX 281/532-0929

### SEALED SOURCE LEAK TEST CERTIFICATE

RADIATION SAFETY

SCHLUMBERGER Anadrill  
Loc. 1004

135 ROUSSEAU ROAD

Customer#: 2138

Source #: 39968

YOUNGSVILLE

LA

70592

Account #: 2138

RADIONUCLIDE: CS-137

ACTIVITY: 1.7

CI

SERIAL NO: A2956

WIPE DATE: 10/01/2019

SOURCE CODE: GSRZ

EFFICENCY: 0.95

NET CPM: 20

GROSS CPM: 36

BKG CPM: 16

NET CPM

=MICROCURIE

EFF X 2.22x10<sup>6</sup> DPM/u CI

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.

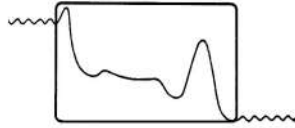
THE REMOVABLE ACTIVITY WAS: 9.483E-006  
3.509E-001

MICROCURIE  
Bq

ASSAY NO: 10/14/2019 56

DATE: 10/14/2019

ASSAYED BY:



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### SEALED SOURCE LEAK TEST CERTIFICATE

#### RADIATION SAFETY

SCHLUMBERGER Anadrill  
Loc. 1004

Customer#: 2138

135 ROUSSEAU ROAD

Source #: 39045

YOUNGSVILLE

LA

70592

Account #: 2138

RADIONUCLIDE: AM241BE

ACTIVITY: 15

CI

SERIAL NO: Q1018

WIPE DATE: 10/01/2019

SOURCE CODE: NSRM

EFFICENCY: 1.32

NET CPM: 19

GROSS CPM: 35

BKG CPM: 16

NET CPM

=MICROCURIE

EFF X  $2.22 \times 10^6$  DPM/u CI

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 ( $5.0 \times 10^{-3}$ ) MICROCURIE OR MORE OF ACTIVITY.

THE REMOVABLE ACTIVITY WAS: 6.484E-006  
2.399E-001

MICROCURIE  
Bq

ASSAY NO: 10/14/2019 53

DATE: 10/14/2019

ASSAYED BY: