

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

**Schlumberger**

June 03, 2013

Anthony Gains  
United States Nuclear Regulatory Commission  
Region IV  
1600 East Lamar Blvd  
Arlington, Texas 76011

RE: Source Abandonment for Pisces Energy, LLC OCS-G 33088 A006 ST00 BP01

Dear Anthony,

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.

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

Sincerely,



Timothy P. McLaughlin  
Radiation Safety Officer  
Schlumberger Technology Corporation

Source Abandonment - Pisces Energy, LLC  
Well: OCS-G 33088 A006 ST00 BP01

Date of Occurrence: May 09, 2013

Source #1

Identification: 0.4 GBq (10.8 mCi), Cf252, Neutron Source, Serial # 2644  
Manufacturer: Frontier Technology  
Model: FTC-CF  
Depth: 11,283 ft MD

Source #2

Identification: 63 GBq (1.7 Ci), Cs137, Gamma Ray Source, Serial # 5089GW  
Manufacturer: QSA Global  
Model: CDC-CY6  
Depth: 11,288 ft MD

Well Identification Company: Pisces Energy, LLC  
Well: OCS-G 33088 A006 ST00 BP01  
Field: South March Island 166  
County: Offshore  
API Number: 17-706-40968-00

Seal Results: Cement was spotted in drillpipe from 9681 ft MD to 10,692 ft MD to help control well during fishing operations. Drillpipe was cut at 5020 ft MD. A red dye cement plug was then established from 4920 ft MD to 7840 ft MD to seal and isolate the sources in place on May 22, 2013. More than 6200 linear feet of drill pipe remains on top of the sources to ensure they are not accessible to future drilling operations. Rig has sidetracked well at 3280 ft MD.

Recovery Attempts: Rig worked pipe for 36 hours and ran free point logs to determine stuck point. Rig made several unsuccessful attempts to cut and pull drill pipe.

Depth of Well: 11,343 ft MD

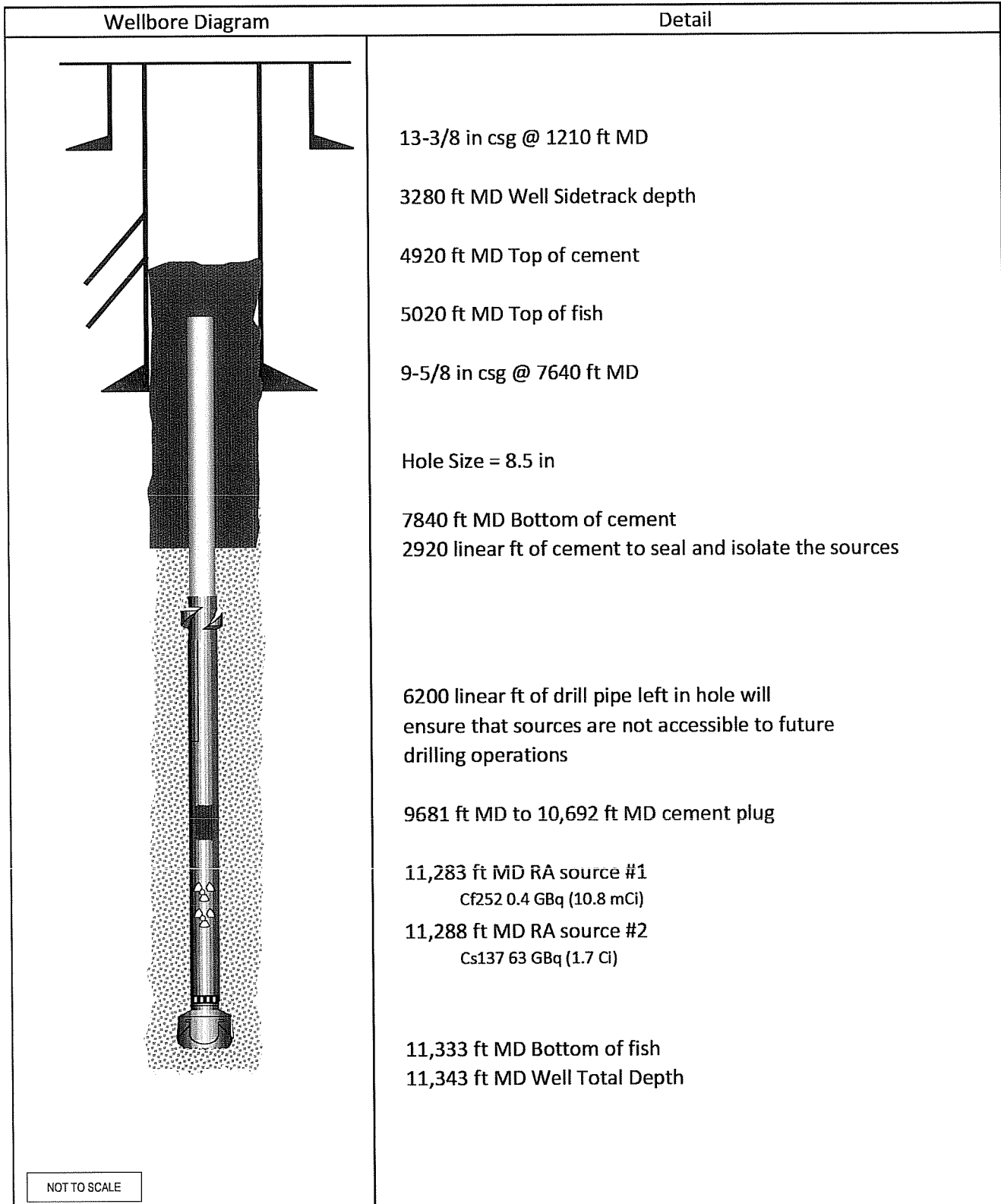
Identification: Plaque as required by 10 CFR §39.15(a)(5)(iii) will be attached to the well if practical.

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

Initial Telephone  
Contact:

Anthony Gains on May 13, 2013 04:30 PM.

Pisces Energy, LLC  
OCS-G 33088 A006 ST00 BP01



NOT TO SCALE

## Radiation Fishing and Abandonment Report

Offshore (OCS Waters)     
  Land State Lease Waters     
  Wireline     
  LWD

Date and time tool stuck 09-May-13 08:00 PM      Report date and time 10-May-13 10:00 AM

Company Name (Full Name): Pisces Energy, LLC

Well Name OCS-G or State Lease: OCS-G 33088 A006 ST00 BP01

Lease location (leagal): X: 1,726,763 Y:186,896

API Number or CLSD 17-706-40968-00      Rig Name: Rowan Louisiana

County or Parish: Offshore      State: Louisiana

District: Lafayette PF      Field Name South March Island 166

Sales eng: Mike Terrebonne

TD: 11,343 ft MD      Hole Size: 8.5 in      Maximum deviation 75 deg

|           | Size      | Weight   | Depth      |                |              |
|-----------|-----------|----------|------------|----------------|--------------|
| Casing #1 | 13-3/8 in | 68 ppf   | 1210 ft MD | Top of Fish    | 5020 ft MD   |
| Casing #2 | 9-5/8 in  | 53.5 ppf | 7640 ft MD | Bottom of Fish | 11,333 ft MD |

**Source Data**

|                    |                     |                  |  |  |
|--------------------|---------------------|------------------|--|--|
| Model(manufacture) | FTC-CF              | CDC-CY6          |  |  |
| Description        | Neutron Source      | Gamma Ray Source |  |  |
| Manufacture        | Frontier Technology | QSA Global       |  |  |
| Activity           | 0.4 GBq (10.8 mCi)  | 63 GBq (1.7 Ci)  |  |  |
| Serial No.         | 2644                | 5089GW           |  |  |
| Isotope            | Cf252               | Cs137            |  |  |
| Depth              | 11,283 ft MD        | 11,288 ft MD     |  |  |
| Leak test date     | 12/8/2012           | 12/8/2012        |  |  |
| Leak test results  | <5 Bq               | < 5 Bq           |  |  |

Tool string (head to bottom)

**HWDP,JAR, HWDP, FILTER SUB,NM DRILL COLAR, NM STAB,X/O MONEL,ABS,QPM,IDNSC,AWR,FLOAT SUB, POWERDRIVE,BIT**

Hole conditions

**High torque while drilling.**

Fishing attempts

**Severed pipe @ 7921 ft MD, attempted to pull with jars unsuccessfully. Repeated back-offs were attempted until pipe was successful freed at 5020 ft MD.**

Comments (what happened to get stuck?, etc.):

**Rig experienced a kick and shut the well in to control well. Circulated heavy weight mud. Pipe was stuck after well control operations. Could not jar, assumed stuck point was above jars.**



AEA Technology  
 QSA Inc.  
 40 North Avenue  
 Burlington, MA 01803  
 Telephone (781) 272-2000  
 Telephone (800) 815-1383  
 Facsimile (781) 273-2216

# Radioactive Sealed Source Certificate and Test Report

Model: *CDC.CY6*                      Radionuclide: *CS137*                      Nominal Activity: *1.70 Ci*  
 Product Code No: *CDCK8317*  
 Description: *Cs-137 Oil Well Logging Source*                      Capsule: *X2063/1*  
 ANSI/ISO Classification: *97C66644*                      Special Form Certificate No: *USA/0650/S-96*

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.

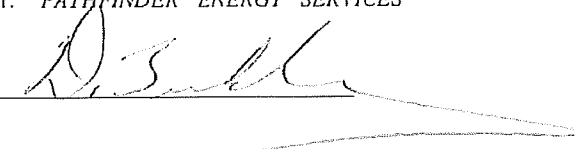
| Source<br>Serial<br>Number | Measurements                      |             | Leakage Test  |                  | Contamination<br>Test | Other Tests<br>Description |
|----------------------------|-----------------------------------|-------------|---|------------------|-----------------------|----------------------------|
|                            | Measurement                       | Date        | Type<br><i>See other side for description of tests.</i> | Type             | Type<br>Date Passed   |                            |
| 5089GW                     | 1,330.00 nGy/sec<br>( 1,662.5mCi) | Mar-01-2005 | M<br>Mar-01-2005  | D<br>Oct-10-2005 | A<br>Oct-10-2005      | SC-924CO<br>195            |
|                            |                                   |             |   |                  |                       |                            |
|                            |                                   |             |   |                  |                       |                            |
|                            |                                   |             |   |                  |                       |                            |
|                            |                                   |             |   |                  |                       |                            |
|                            |                                   |             |   |                  |                       |                            |

Notes:  
 Source passed pressure test of 25,000 psi per SPS-L-1722 on 10 Oct. 2005. Immersion test is on X1187 timer.  
 Source active position and geometry verified to QCP 314 on 10 Oct. 2005.

Customer: *PATHFINDER ENERGY SERVICES*

Sales Order: *154559*

*Oct-12-2005*

Signed: 

Page 1 of 1



# MICROTEC SERVICES, INC.

110 Charles Street ♦ Pasadena, TX 77506  
Tel (713) 475-2274 Fax (713) 475-2362

Leak Testing  
Calibrations  
Repair  
New Instruments

## \*\*\*\*\* Certificate of Leak Test \*\*\*\*\*

**Customer:** PATHFINDER ENERGY SERVICES  
LAFAYETTE, LA

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removeable contamination.*

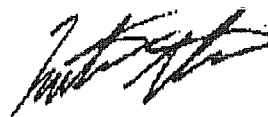
## \*\*\*\*\* Source Information \*\*\*\*\*

**Serial Number:** 5089GW  
**Isotope:** Cs-137  
**Activity:** 1.7 Ci.  
**Remarks:**  
**Manufacturer / Model:** AEA TECHNOLOGY CDC.CY6  
**Date of Test:** 08-Dec-12

## \*\*\*\*\* Leak Test Analysis Data \*\*\*\*\*

**Gross Counts:** 187  
**Background:** 187  
**Counting Efficiency:** 52.8%  
**Contamination (DPM):** 0  
**Removable Contamination:** Less Than .0001 Microcuries  
Less Than 5 Bq.

**Date Analyzed:** 12-Dec-12 **Analyzed by:**

  
Quintin A. Stokley

Comments:

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*(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)*

TEXAS LICENSE NO. L04656

Pathfinder Energy Services, TX  
FTC License OHIO 0321429000 SPECIAL FORM CERTIFICATE USA/0367/S, REV. 6  
ANSI N43.6/ISO 2919 CLASSIFICATION 97E66444

### PACKING LIST-PRODUCT CERTIFICATION

FRONTIER TECHNOLOGY CORPORATION  
1641 Burnett Drive, Xenia Ohio 45385  
tel: 937/376-5691 fax: 937/376-5692

**DELIVER TO:**

Pathfinder Energy Services Inc      ATTN: Mr. Richard Farrington  
15151 Sommermeyer Street      Tel: 713 996-1299  
Houston TX 77041      or Ms. April Wilson  
713 996-1783

License #(if applicable): TX L05236  
P.O.#P59548      Shipped via MTR FRT

**SOURCE DATA:** as of 17 November 2005

| Serial No.    | Model No. | Content (activity) | Output (n/s)          | Contamination/100 cm <sup>2</sup> (per source) |
|---------------|-----------|--------------------|-----------------------|--|
| FTC-CF-2642   | 100SNS    | 20.0 ug. (.4 GBq.) | 4.6 X 10 <sup>7</sup> | alpha < 9 x 10 <sup>-6</sup> uCi               |
| FTC-CF-2643   | 100SNS    | 20.2 ug. (.4 GBq.) | 4.7 X 10 <sup>7</sup> | beta/gamma < 45 x 10 <sup>-6</sup> uCi         |
| * FTC-CF-2644 | 100SNS    | 19.4 ug. (.4 GBq.) | 4.5 X 10 <sup>7</sup> |  |
| FTC-CF-2645   | 100SNS    | 19.6 ug. (.4 GBq.) | 4.5 X 10 <sup>7</sup> |  |

NOTE: THIS SOURCE HAS BEEN WELDED INTO THE PATHFINDER SUPPLIED SOURCE CAP PER DWG. 777.91223.

**SHIPPING CONTAINER:** US-DOT 7A Type A

| Model #50200 s/n 934       | Weight 500 lbs. (227 K.) | Seal # FTC   |
|----------------------------|--------------------------|--------------|
| Radiation level (mrem/hr): | surface                  | at one meter |
| gamma                      | 36                       | 2.6          |
| neutron                    | 32                       | 3.2          |
| TOTAL                      | 68                       | 5.8 (TI)     |

Survey Instruments Used: Gamma RO2 1522 Neutron PNR4 1004  
Contamination level: alpha < 9 x 10<sup>-6</sup> uCi/100cm<sup>2</sup>  
beta/gamma < 45 x 10<sup>-6</sup> uCi/100cm<sup>2</sup>

**NOTICE:** A radiation safety specialist should be present when this container is opened.

CERTIFICATIONS

SPECIAL FORM: At the time of shipment the sources in this shipment met the requirements for special form.

LEAK TEST: The sources in this shipment passed the helium bubble pressure leak test.

CERTIFICATE OF ORIGIN:

The Cf-252 neutron sources, Frontier Technology Corporation Model 100SNS, serial numbers FTC-CF-2642, FTC-CF-2643, FTC-CF-2644, and FTC-CF-2645 and the Type A Shipping Container, Model 50200 serial number 934, are the product of the United States of America.

The products covered by this document are certified to meet the requirements of the contract.

SHIPMENT APPROVALS: 09 December 2005

cc: Treva L. Janzow Health Physics      Edward F. Janzow  
Treva L. Janzow      Edward F. Janzow

SHIPPING CONTAINER 50200 s/n 934

09 December 2005



# MICROTEC SERVICES, INC.

110 Charles Street ♦ Pasadena, TX 77506  
Tel (713) 475-2274 Fax (713) 475-2362

Leak Testing  
Calibrations  
Repair  
New Instruments

## \*\*\*\*\* Certificate of Leak Test \*\*\*\*\*

**Customer:** PATHFINDER ENERGY SERVICES  
LAFAYETTE, LA

*This is to certify that the leak test on the indicated source(s) shown below has been analyzed on the specified date and the results shown accurately represent the level of removeable contamination.*

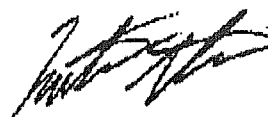
## \*\*\*\*\* Source Information \*\*\*\*\*

**Serial Number:** FTC-CF-2644  
**Isotope:** Cf-252  
**Activity:** 10.8 mCi.  
**Remarks:**  
**Manufacturer / Model:** FRONTIER TECH MODEL 100SNS  
**Date of Test:** 08-Dec-12

## \*\*\*\*\* Leak Test Analysis Data \*\*\*\*\*

**Gross Counts:** 31  
**Background:** 31  
**Counting Efficiency:** 98.55%  
**Contamination (DPM):** 0  
**Removable Contamination:** Less Than .0001 Microcuries  
Less Than 5 Bq.

**Date Analyzed:** 12-Dec-12 **Analyzed by:**

  
Quintin A. Stokley

Comments:

---

*(NOTE: Removable contamination equal to or greater than .005 microcuries (11,000 dpm) constitutes a leaking source. Results shown above are in accordance with 10 CFR and Texas TRCR regulations for sealed sources and plated sources.)*

TEXAS LICENSE NO. L04656



## Chuck Deible

---

**From:** Chuck Deible  
**Sent:** Friday, May 31, 2013 1:45 PM  
**To:** Ernie Jilek (erniejilek@att.net)  
**Cc:** Timothy McLaughlin  
**Subject:** Plaquer order  
**Attachments:** Pices aban plaque order.pdf

Ernie,

Please see the attached request for an abandonment plaque.

Send me the proof as soon as possible

Charles Deible  
Radiation & Explosives Safety Officer  
Schlumberger U.S.  
300 Schlumberger Drive, MD-121  
Sugar Land, Texas 77478

Cell: +1 (832) 586-5620  
Phone: +1 (281) 285-8119  
Fax: +1 (281) 285-8526  
Email: [deible1@slb.com](mailto:deible1@slb.com)

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

**Schlumberger**

FAX

To: Ernie Jilek Date: May 31, 2013  
Fax: 985-727-2165

From: Charles Deible Tel: (281) 285-8119  
Fax: (281) 285-8526

Subject: Abandonment Plaque Pages: 2 (including cover)

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Ernie,

Request for abandonment plaque for Pisces Energy, LLC, well information follows.

Regards,



Chuck

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



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

June 03, 2013

Attn: Ernie Jilek,

Please construct the standard abandonment plaque with the following information:

|                     |   |
|---------------------|---|
| Company             | Pisces Energy, LLC  |
| Well Name           | OCS-G 33088 A006 ST00 BP01  |
| Field               | South March Island 166  |
| State               | Louisiana   |
| API#                | 17-706-40968-00   |
| Date of abandonment | May 22, 2013  |
| Well depth          | 11,343 ft MD  |
| Plug back depth     | 4920 ft MD  |
| Top of fish         | 5020 ft MD  |
| Sources abandoned   | Cf252, 0.4 GBq (10.8 mCi), Neutron Source @ 11,283 ft MD<br>Cs137, 63 GBq (1.7 Ci), Gamma Ray Source @ 11,288 ft MD |

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

Please forward the completed plaque and invoice to me.

Sincerely,

Charles Deible  
Radiation Safety Officer  
Schlumberger U.S.