

July 25, 2014



Nuclear Regulatory Commission Region IV
1600 E. Lamar Blvd.
Arlington, Texas 76011-4511
Attn.: Michael Vasquez

Re: NRC License No. 17-27437-01 Source Abandonment Report

(1) Date Occurrence: Tool stuck in hole on July 1, 2014 @ 23:00 hrs.

(2) Irretrievable Source Descriptions:

5.0 Ci (185 GBq) Americium-241/Be -	Serial Number: SN-87904B	QSA GLOBAL, AMN.CY3
2.5 Ci (92.5 GBq) Cesium-137 -	Serial Number: SN-71901B	QSA GLOBAL, CDC.CY4

(3) Surface Location & Well Identification:

Operator -	Cook Inlet Energy Inc.
Rig -	Patterson 191
Well -	West Foreland #3
Field -	West Foreland
Rig Surface Location -	N 60° 45' 54.629" and W 151° 43' 53.677"
General Area -	Cook Inlet, Alaska (onshore)

(4) Results of Efforts Immobilize: Pumped concrete to immobilize and seal hole.

(5) Recovery Efforts: Please reference the attached document.

(6) Depth of Source(s):

Americium-241/Be -	11,925 feet Measured Depth (9,747 ft. TVD)
Cesium-137 -	11,933 feet Measured Depth (9,752 ft. TVD)

(7) Top of Cement Plug: Approximately 10,537 feet Measured Depth (8,930 ft. TVD)

Plug Cementing Procedure

Trip in hole to a depth of 10,537 feet MD (8,930 feet TVD). Break circulation, close valve, and test lines to 5,200 psi. Batch the cement to verify density. Mix and pump 2.5 bbl of 11.5 lb/gal spacer. This was followed with 39 sks of 15.8 lb/gal cement. To balance the cement plug, pumped 2.3 bbls of 11.5 lb/gal spacer and then shutdown. The rig took over for displacement.

Client elected to set bridge plug and complete a zone of interest above the top of the fish.

(8) Depth of Well: 12,012 ft. MD (9,800 ft. TVD)

(9) Other Information: N/A

(10) Agencies Notified: Nuclear Regulatory Commission

Thank you for your attention to this matter,

A handwritten signature in cursive script, appearing to read "John A. Yunker".

John A. Yunker
Radiation Safety Officer
E-mail: john.yunker@bakerhughes.com

Cook Inlet Energy

WF-03

*West Foreland
Cook Inlet, Alaska*

Submitted By:

James Cannon

Bryce Grantham

Nathan Leopold

Matt Johanson

Christophe Itjoko

Field Service Engineers

Date: xx July 2014

Disclaimer

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Chronological Drilling Summary

28 JUNE 2014

0000 Midnight Depth 10729.87 feet Circ Time 15.7 hrs; Drilling Time 10.0 Hrs

0237 KD @ 10814.75

0240 Slow pump rates

0245 Mud Resistivity check at surface

BHCT = 162, Surface temp = 88

Rm = .20 ohm-m , Rm_(corr) = .11 ohm-m

Rmf = .25 ohm-m, Rmf_(corr) = .14 ohm-m

Rmc = .22 ohm-m, Rmc_(corr) = .12 ohm-m

0306 SURVEY @ 10812.07

0412 KD @ 10908.22

0426 SURVEY @ 10851.85

0445 Checkshot

0450 SLIDE FROM 10908 TO 10948

0738 Motor stall caused MWD tool to restart 10963

0800 KD @ 11002.96

0808 Survey @ 10946.09

0828 checkshot

0830 Slide from 11020 to 11031

0955 KD @ 11097.36

1009 Survey @ 11040.18

1050 Checkshot

1125 Torqued up and stopped circulating at 11178

1130 STUCK IN HOLE

1140 JAR

1145 JAR

1151 JAR

1200 JAR

1410 Circulate to trip out of hole
1636 Stop circulating and trip out of hole.
2052 Tool inside casing - **End AP Run 5**

29 JUNE 2014

0000 Midnight Depth 11178.81 feet Circ Time 30.4 hrs; Drilling Time 18.2 Hrs
0051 Meeting for sources
0125 Unload Neutron
0130 Unload Gamma
0140 Lay down heavy weight
0145 Lay down compressive
0150 Above rotary - **End MWD Run 5**
0220 Plugged in
0250 Unplugged
0255 Below Rotary – **Begin MWD Run 6**
0300 Load
0330 TIH
1100 Tool outside of casing - **Begin AP run 6**
1455 Circulate on last stand before starting to drill.
1519 On Bottom Drilling at 11179'
1530 Recalibrate hook load
1555 KD AT 11193.57
1611 Survey at 11137.28
1700 Take Gain and stop circulating for flow check
1740 Checkshot
1843 KD AT 11287.59
1900 Survey AT 11230.90
2314 KD AT 11381.55
2331 Survey at 11325.03

30 JUNE 2014

0000 Midnight Depth 11409.36 feet Circ Time 11.8 hrs; Drilling Time 6.2 Hrs

0050 KD AT 11475.57

0103 Slow pump rates

0115 Switch to pump one only

0130 Trouble decoding survey cycle pumps

0140 Switch back to pump two only

0148 Survey at 11418.10

0600 KD @ 11569.60

0615 Survey @ 11513.18

0627 Slide from 11586 to 11606

0830 KD @ 11663.96

0846 Survey @ 11606.71

1016 KD @ 11757.90

1037 Survey @ 10701.16

1239 KD @ 11852.18

1305 SURVEY @ 11795.68

1540 KD @ 11946.10

1605 SURVEY @ 11889.61

1720 STOP DRILLING AT 12012 FT

1731 SURVEY @ 11955.75

2306 Inside the shoe

2330 Outside of shoe

2335 TIH

1 July 2014

0000 Midnight Depth 12012.06 feet Circ Time 32.4 hrs; Drilling Time 19.3 Hrs

0100 Circulating tight spot at 9700 MD

-
- 0237 Circulating at 11340 MD
 - 0246 Stopped circulating
 - 0311 Circulating at 11903 MD
 - 1140 In casing

 - 1145 Start second wiper trip to bottom
 - 1210 200 psi lost while reaming at 8340 MD
 - 1450 Circulating off bottom at 240 gpm and 2390 psi. Much lower pressure than when circulating on bottom previously. Suspect loss of BHA
 - 1640 Begin pulling out of hole
 - 1900 In casing – **END OF AP RUN 6**
 - 2100 Lay down and replace one bent joint of drill pipe
 - 2115 Fishing hand showed up on location
 - 2200 Counted 7 bent joints of pipe
 - 2300 Broken end of drill pipe returns to surface without BHA. Appears to be a combination of washout and twisting off

2 July 2014

- 0000 Midnight Depth 12012.06 feet Circ Time 32.4 hrs; Drilling Time 19.3 Hrs. Waiting on barge with fishing tools
- 0930 Begin making up fishing BHA
- 1030 Run in hole with fishing tools

3 July 2014

- 0000 Midnight Depth 12012.06 feet Circ Time 32.4 hrs; Drilling Time 19.3 Hrs
- 0330 Washing and rotating down to locate top of fish
- 0430 Pressure increase and torque seen at 10689 MD. Attempt to engage fish
- 0900 Start to trip out to inspect BHA and BOP testing
- 2000 Fishing tools on surface. Overshot guide rolled in and severely damaged. Lay down fishing tools
- 2100 BOP testing

4 July 2014

0000 BOP testing. Depth 12012.06 feet Circ 32.4 hrs; Drilling 19.3 Hrs
0700 Complete BOP test. Begin picking up second fishing assembly
0830 Tripping in hole
1330 Unable to wash and rotate past 8914 MD

1530 Pulling out of hole
1930 Lay down fishing tools
2030 Make up cleanout BHA
2330 Tripping in hole

5 July 2014

0000 Tripping in hole. Depth 12012.06 feet Circ 32.4 hrs; Drilling 19.3 Hrs
0300 Washing down from 8230 MD
0600 Trip in hole, washing through tight spots
0900 Circulate bottoms up at 10681 MD
1200 Pulling out of hole
1830 Lay down cleanout assembly
1930 Picking up fishing tools
2030 Tripping in hole

6 July 2014

0000 Tripping in hole. Depth 12012.06 feet Circ 32.4 hrs; Drilling 19.3 Hrs
0130 Cut and slip drill line
0215 Wash down through 8730 MD
0345 Wash down through 9745 MD
0545 Tag up at 10687 MD
0900 Trying to engage fish
1230 Unable to engage fish. Begin pulling out of hole
2100 Laying down fishing tools
2200 Rig maintenance
2300 Making up fishing tool assembly

7 July 2014

0000 Tripping in hole. Depth 12012.06 feet Circ 32.4 hrs; Drilling 19.3 Hrs
0330 Circulate bottoms up at 8260 MD

0430 Resume tripping in hole
0900 Attempting to engage fish
1230 No success engaging fish. Circulating
1300 Pulling out of hole
2030 Lay down fishing tools
2100 Pick up new fishing assembly
2130 Tripping in hole

8 July 2014

0000 Tripping in hole. Depth 12012.06 feet Circ 32.4 hrs; Drilling 19.3 Hrs
0100 Circulating bottoms up
0400 Pulling out of hole from 8461 for jars and to inspect overshot
0700 Lay down fishing BHA
0800 Assemble cleanout assembly
1100 Tripping in hole
1645 Circulating above top of fish
1900 Stop circulating. Begin pulling out
2055 Pumping 264 GPM at 8450 ft
2200 Back reaming from 8230 f
2252 Stop back reaming at 8141 ft
2300 Continue pulling out of hole

9 July 2014

0000 Pulling out of hole. Depth 12012.06 feet Circ 32.4 hrs; Drilling 19.3 Hrs
0215 BHA at surface
0245 Making up fishing BHA

0405 Tripping in
0645 Circulate at casing shoe
0735 Tripping in hole
0800 Trying to work through 8500 MD
1320 Circulate bottoms up at 10300 MD

1535 Working down to top of fish. Attempting to engage fish
1932 Stop fishing. Decision is made to abandon tools in hole
1950 Circulate at bottom
2000 Begin pulling out of hole
2002 NRC duty officer gives approval to cement sources in hole
2150 Begin back reaming from 8226 ft. Pumping 249 GPM

10 July 2014

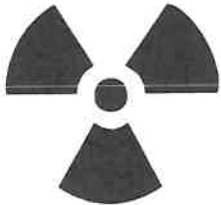
0000 Pulling out of hole. Depth 12012.06 feet Circ 32.4 hrs; Drilling 19.3 Hrs
0300 Fishing tools on surface
0505 Running in hole with cement stinger
0845 Circulate just inside casing shoe
0950 Tripping to top of fish
1205 At top of fish. Preparing cementing equipment
1210 Attempt to circulate but stinger is plugged
1225 Work pipe and rotate to try and clear stinger
1405 Begin pulling out of hole
1945 Cement stinger out of hole
2120 Trip back in with cement stinger

11 July 2014

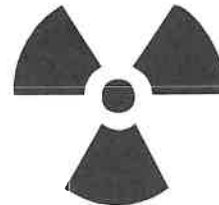
0000 Tripping in with cement stinger. Depth 12012.06 feet Circ 32.4 hrs;
Drilling 19.3 Hrs
0025 Circulate while tripping in from 8220 to 9700 ft
0215 Ream on stand at 9712-9807 ft for two hours
0400 Continue reaming to bottom

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- 0530 At top of fish. Circulate prior to cementing
- 0915 Pump cement at 10688 ft
10 BBLs 11.5# spacer, 8 BBLs 15.8# cement, 2 BBLs water
237' above fish @ 6 1/8" hole
170'-175' above fish by cementer estimate with washout
10688-237 = 10451 MD / 8881 TVD
10688-170 = 10518 MD / 8919 TVD
- 0930 Displace cement
- 1015 Will wait 24 hours for cement to set before running liner

Cook Inlet Energy
West Foreland #3
West Forelands Pad
N 60 deg 45' 54.629" & W 151 deg 43' 53.677"



CAUTION



ONE 2.5 CURIE Cs-137 RADIOACTIVE SOURCE ABANDONED July 11, 2014 AT 11,933 FT MD. (9,752 FT TVD) AND ONE 5 CURIE Am-241/Be RADIOACTIVE SOURCE ABANDONED July 11, 2014 AT 10,925 FT. MD (9,747 FT. TVD). TOP OF FISH AT 10,689 FT MD (9,017 FT TVD).

DO NOT RE-ENTER THIS WELL BEFORE CONTACTING

Nuclear Regulatory Commission

**Radiation Incident Report
Source Stuck In Hole Notification
RSF-1667**

(scan to PDF and email to the Radiation Safety Officer (Houston) within 24 hours)

Report Time/Date:	08:54	/	2 July 2014
Job Number (If Applicable):	6418997		
Gamma Source Serial Number (and activity) or N/A:	SN-71901B (92.5 GBq)		
Neutron Source serial number (and activity) or N/A:	SN-87904B (185 GBq)		
Person Reporting & Contact #:	Nathan Leopold 612-802-2973 / James Cannon 239-250-9511		
Location / Base Reporting:	West Forelant #3, Patterson 191, Alaska		
Rig / Platform (If Applicable):	Patterson 191		
Well Name & Number (If Applicable):	West Foreland #3		
Operator / Customer (If Applicable):	Cook Inlet Energy		
Operator / Customer Contact Information (If Applicable):	CIE Company Man - 907-433-8967		
Name of Regulatory Authority that has jurisdiction:	Nuclear Regulatory Commission		
License Reference Number (If Applicable):	17-27437-01		
Radiation Protection Supervisor (RPS):	Nathan Leopold / James Cannon		
Water Depth (If Applicable):	NA		
Total Hole Depth (MD & TVD) (If Applicable):	12012' MD, 9800' TVD		
Bit depth (MD & TVD)(If Applicable):	12012' MD, 9800' TVD		
Gamma Source Location / Depth (If Applicable):	11933' MD, 9752' TVD		
Neutron Source Location / Depth (If Applicable):	11925' MD, 9747' TVD		
Surface Casing information/ Depth & Diameter (If Applicable):	7", 8262' MD, 7546' TVD		
Casing information / Depth & Diameter (If Applicable):			
Regulatory Authority Contact (Name & Date):	Nuclear Regulatory Commison		
Abandonment Authorized by (Name & Date):	Michael Vasquez / July9, 2014		

****Contact your Supervisor or a member of the Global Radiation Team for guidance in completing this form****