



ML18009A996



October 1, 2017

Nuclear Regulatory Commission Region IV
1600 E. Lamar Blvd.
Arlington, Texas 76011-4511
Attn.: Mr. Mark Shaffer, Director, Division of Nuclear Materials Safety

Re: NRC License No. 42-02964-01 Source Abandonment Report

(1) Date Occurrence: Tool stuck in hole on September 13, 2017 @ 22:15 hrs.

(2) Irretrievable Source Descriptions:

5 Ci (185 GBq) Americium-241/Be -	Serial Number: SN-71056B	QSA GLOBAL, AMN.CY3
2.5 Ci (92.5 GBq) Cesium-137 -	Serial Number: SN-90654B	QSA GLOBAL, CDC.CY4

(3) Surface Location & Well Identification:

Operator -	Energy Resource Technology GOM, LLC
Rig -	Ensco 8503
Well -	OCS-G 33242 002 ST00 BP00
Field -	Green Canyon Block 281
Rig Surface Location -	N 27° 41' 26.955" and W 91° 06' 51.234"
General Area -	Offshore, Louisiana

(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 -	22,040 feet Measured Depth (21,037 ft. TVD)
Cesium-137 -	22,049 feet Measured Depth (21,044 ft. TVD)

Proposed Cementing Procedures are as follows:

Set Cement Plug to abandon sources at 21,500 to 20,852 feet MD.

Date	Time	Activity	Comments
9-21-17	21:56	Safety meeting	Safety meeting on rig floor prior to Plug to Abandon.
9-21-17	22:59	Break Circulation	Break circulation with 10 bbls of 15.6 ppg Tuned Spacer III.
9-21-17	23:07	Test Lines	Test Lines to 3000 psi.
9-21-17	23:13	Pump Spacer	Pump 80 bbls of 15.6 ppg Tuned Spacer III ahead of cement. (90 bbls total ahead)
9-21-17	23:28	Shut Down	Shut down. Clean tanks and catch mix water.
9-21-17	23:41	Mix Cement	Weight up and start mixing 15.6 ppg Class H cement + .03 gps D-Air 3000L + .08 gps Haled 344 EXP + .01 gps SA-640L + .10 gps SCR-100L (1.039 cuft/sk, 4.18 gal/sk)
9-21-17	23:53	Pump Cement	Mix and Pump 383 sks (398 cuft) (71 bbls) of 15.6 Class H cement.
9-22-17	00:08	Pump Spacer	Pump 25 bbls of 15.6 ppg Tuned Spacer III behind cement.
9-22-17	00:14	Pump Displacement	Pump 58 bbls of 15.3 SBM with Cement Unit.
9-22-17	00:24	Shut down	Shut down and turn over to the rig to finish displacing the plug.
9-22-17	01:23	Shut down	The rig finished displacing 400 bbls for a total of (458 bbls of displacement.)

2nd Cement Plug set from 18,394 ft to 17,595 ft for planned sidetrak.

Date	Time	Activity	Comments
9-22-17	09:00	Safety meeting	Safety meeting on rig floor prior to KOP.
9-22-17	09:52	Break Circulation	Break circulation with 10 bbls of 15.6 ppg Tuned Spacer III.
9-22-17	09:55	Test Lines	Test Lines to 3000 psi.
9-22-17	10:02	Pump Spacer	Pump 27 bbls of 15.6 ppg Tuned Spacer III ahead of cement.
9-22-17	10:08	Shut down	Started getting contaminated Spacer from pits. There was a 20 bbl gain in the active pit.
9-22-17	10:10	Shut Down	Shut down. Jagger pump out contaminated tank. Dump spacer in slugging pit and clean pit.
9-22-17	11:30	Pump Spacer	Pump 33 bbls of remainder of spacer ahead. (70 bbls total)
9-22-17	12:03	Dump mix water	Flush common line from blender with mix water to clean line. There was barite settlement in the line and a decision was made to dump mix water and flush line.
9-22-17	12:15	Catch mix water	Catch mix water and add chemicals.
9-22-17	12:37	Mix Cement	Start mixing 17 ppg cement.
9-22-17	12:47	Pump Cement	Mix and Pump 498 sks (494 cuft) (88 bbls) of 17 ppg Class H cement + .08 gps Haled 344 EXP + .03 gps D-Air 3000L + .10 gps SCR-100L + .01 gps SA-640L.
9-22-17	13:12	Pump Spacer	Pump 22 bbls of 15.6 ppg Tuned Spacer III behind cement.
9-22-17	13:17	Pump Displacement	Pump 381 bbls of 15.3 SBM with Cement Unit.
9-22-17	14:22	Shut Down	Finish pumping displacement.
9-22-17	14:25	POOH	Pull out of plug.

(7) Depth of Well: 22,128 ft. MD (21,107 ft. TVD)

(8) Other Information: N/A

(9) 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".

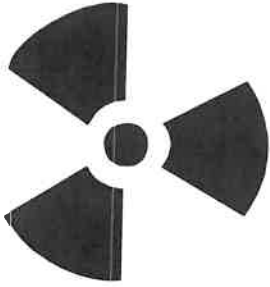
John A. Yunker
Radiation Safety Officer
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Energy Resource Technology GOM, LLC

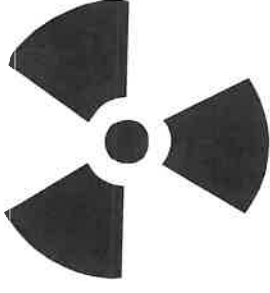
OCS-G 33242 002 ST00BP00

Green Canyon Block 281

N 27 deg 41' 26.955" & W 91 deg 6' 51.234"



CAUTION



ONE 2.5 CURIE Cs-137 RADIOACTIVE SOURCE ABANDONED
September 21, 2017 AT 22,049 FT MD. (21,044 FT TVD) AND

ONE 5 CURIE AM-241/Be RADIOACTIVE SOURCE ABANDONED
September 21, 2017 AT 22,040 FT. MD (21,037 FT. TVD). TOP OF

FISH AT

21,874 FT MD (20,902 FT TVD).

DO NOT ENTER WELL BEFORE CONTACTING

Nuclear Regulatory Commission