

October 25, 2015



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

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

(1) Date Occurrence: Tool stuck in hole on October 04, 2015 @ 04:00 hrs.

(2) Irretrievable Source Descriptions:

5 Ci (185 GBq) Americium-241/Be -	Serial Number: SS54159B	QSA GLOBAL, AMN.CY3
2.5 Ci (92.5 GBq) Cesium-137 -	Serial Number: SN-73932B	QSA GLOBAL, CDC.CY4

(3) Surface Location & Well Identification:

Operator -	Arena Offshore, LLC
Rig -	H&P 105
Well -	OCS-G 02111 C012 ST03BP00
Field -	Eugene Island Block 314
Rig Surface Location -	N 28° 16' 11.902" and W 91° 43' 50.425"
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 -	8,796 feet Measured Depth (6,139 ft. TVD)
Cesium-137 -	8,806 feet Measured Depth (6,144 ft. TVD)

(7) Top of Cement: Approximately 8,236 feet Measured Depth (5,860 ft. TVD)

Proposed Cementing Procedure was as follows:

- ❖ Pick up +/- 500 feet of 2 7/8" tubing and trip in hole with 5" drill pipe to +/-8,236 feet (5,860 feet TVD).
 - Verify pipe calculations with final pipe tally
- ❖ Hold safety meeting with all involved personnel.
- ❖ Pressure test Halliburton unit and lines to 4000 psi.
- ❖ Pump 5 barrels of spacer for 10 bbl spacer total.



DNMS

- ❖ Mix and pump 150 sacks, 160.5 ft³, 28.6 bbl., cement at 16.4 lb/gal., 1.07 ft³ per sack, 4.37 gal per sack. Mix fluid with Halliburton additives. Top of Cement at approximately 8,236 feet MD (5,860 feet TVD)
- ❖ Clean line with 3 bbls of water
- ❖ Turn over to rig to displace with 129 bbl of mud to balance
- ❖ Pull out of hole to 4800 feet – insert nerf ball and circulate bottoms up
- ❖ Pull out of hole and lay down tubing

Client elected pump cement plug temporarily abandon the well

(8) Depth of Well: 9,143 ft. MD (6,311 ft. TVD)

(9) Other Information: N/A

(10) Agencies Notified: Nuclear Regulatory Commission

Thank you for your attention to this matter,



John A. Yunker
Radiation Safety Officer
[E-mail: john.yunker@bakerhughes.com](mailto:john.yunker@bakerhughes.com)

Arena Offshore, LP

OCSG-02111 C012 / ST03

Eugene Island / Block 314

Offshore, Louisiana

API: 177104108303

Submitted By:

Jacob Fontenot

Ray Roark

Khoi Nguyen

Date : 06 October 2015

Disclaimer

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Chronological Drilling Summary

03 Oct 2015

0000 Depth: 8383 feet MD RunCirc: 54.4 hrs. OnBottom: 46.0 hrs
Drilling ahead
0223 Pump sweep at 8458 feet.
0435 Swap pumps at 8535 feet.
0517 Pump sweep at 8567 feet.
0528 Downlink Ribs Off.
0530 Circulating bottoms up.
0628 Begin wiper trip to the shoe.
1000 Bit inside casing.
1012 Circulating and servicing the rig.
1118 Bit outside of casing, tripping to bottom.
1251 Reset bit depth at 8479.16 feet and wash stand down.
1305 Back on bottom.
1308 Downlink Build Force to 41.9 %.
1335 Pump sweep at 8605 feet.
1506 Pump sweep at 8700 feet.
1711 Downlink Walk Force to -38.7 %.
1953 Pump sweep at 8906 feet.
2225 Downlink Walk Force to -48.3%.
2309 Pump sweep at 9027 feet.
2355 Downlink Build Force to 29° and Walk Force to -54.8%.

04 Oct 2015

0000 Depth: 9042 feet MD RunCirc: 73.2 hrs. OnBottom: 60.1 hrs
Drilling ahead
0042 Downlink Walk Force to -61.2%.
0155 Downlink Target Inclination to 59.5 and Walk Force to -70.9.
0302 Downlink Walk Force to -80.6%.
0316 Off bottom for mud loss at 9143 feet.
0329 Downlink Ribs Off.
0330 Downlink failed.
0345 Back ream to shoe.
0400 Stuck in hole at 9143 feet / bit depth 8856 feet.
0600 Jarring on stuck pipe, unable to circulate. Waiting on fishing tools.
1852 Break circulation.

2013 Downlink Ribs Off.

2200 Rig up and prepare to run wireline freepoint.

05 Oct 2015

0000 Depth: 9143 feet MD RunCirc: 77.4 hrs. OnBottom: 63.0 hrs

0600 Running in hole to sever pipe below the jars.

0945 Pulling out of hole.

1330 Approval granted to abandon nuclear sources in hole by Michael Vasquez of the NRC

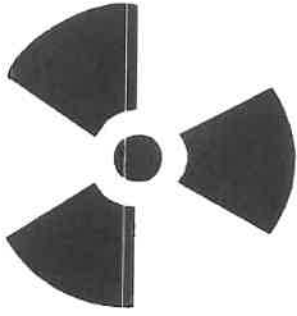
1700 Out of hole with remaining BHA. Rig up and run in hole with cement assembly.

06 Oct 2015

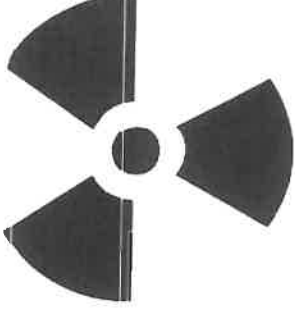
0151 Pumping cement, radioactive sources and tools abandoned in hole.

0700 RPS Jacob Fontenot rigging down mud monitoring equipment and packing up NPT kit to prepare for departure.

Arena Offshore, LP.
OCS-G 02111 C012 ST03 BP00
Eugene Island Block 314
N 28 deg 16' 11.902" & W 91 deg 43' 50.425"



CAUTION



ONE 2.5 CURIE Cs-137 RADIOACTIVE SOURCE ABANDONED
Oct. 06, 2015 AT 8,606 FT. MD. (6,144 FT. TVD) AND ONE 5
CURIE AM-241/Be RADIOACTIVE SOURCE ABANDONED Oct. 06,
2015 AT 8,796 FT. MD (6,139 FT. TVD). TOP OF FISH AT
8,236 FT. MD (5,860 FT. TVD).

DO NOT ENTER WELL BEFORE CONTACTING

Nuclear Regulatory Commission