

August 18, 2016



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 July 23, 2016 @ 01:20 hrs.

(2) Irretrievable Source Descriptions:

5 Ci (185 GBq) Americium-241/Be -	Serial Number: SS41788B	QSA GLOBAL, AMN.CY3
2.5 Ci (92.5 GBq) Cesium-137 -	Serial Number: SN-90688B	QSA GLOBAL, CDC.CY4

(3) Surface Location & Well Identification:

Operator -	Arena Offshore LP.
Rig -	Rowan Gorilla IV
Well -	OCS-G 02914 A014 ST02BP00
Field -	Eugene Island Block 341
Rig Surface Location -	N 28° 12' 8.285" and W 91° 32' 14.937"
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 -	9,570 feet Measured Depth (7,072 ft. TVD)
Cesium-137 -	9,579 feet Measured Depth (7,079 ft. TVD)

(7) Top of Cement: Approximately Cemented inside of casing window:

Top of casing Window:	5,992 feet MD (4,271 feet TVD)
Bottom of casing Window	6,006 feet MD (4,279 feet TVD)

Proposed Cementing Procedure was as follows:

- ❖ Rig up Schlumberger as per standards
- ❖ Hold safety meeting with all involved personnel.
- ❖ Pump 10 bbls of 14.7 ppg Neat Spacer
- ❖ Pressure test pump and lines to 5000 psi.

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DNMS

- ❖ Pump 15 bbls of 14.7 ppg Neat Spacer
- ❖ Shutdown Clean Unit and mix water for cement
- ❖ Mix and pump 59 bbls of 16.6 lb/gal cement slurry mixed with water as per lab report. Top of Cement at approximately 5,992 feet MD (4,271 feet TVD)
- ❖ Pump 5 bbls of 14.7 ppg Neat Spacer
- ❖ Launch Nerf Ball with Rig Pumps pump 1 bbl (Turn back over to Schlumberger to displace)
- ❖ Displacement: Pump +/- 82 bbls of 13.4 ppg water based mud
- ❖ Prepare for E-line

Customer elected to sidetrack the well.

(8) Depth of Well: 9,636 ft. MD (7,121 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)

Long 91 deg 32 min 14.937 "	
 GLOBAL RADIATION SAFETY RSF-1667	
(Email to the Radiation Safety Officer (Houston) within 24 hours)	
Report Time / Date:	12:00 / 7/23/16
Baker Hughes Job Number (If Applicable):	7917140
Date and Time of Incident:	7/22/16 / 18:40
Location of Incident:	Rowan Gorilla IV / Offshore
Name of Persons Involved in Incident:	Adrian Ajala / Aaron Arceneaux
Name of Responsible Engineer:	Jeffery Wiehe
Equipment Involved in Incident:	6 3/4" AutoTrak/OnTrak/LithoTrak Assembly
Incident Summary (Facts Only):	Source Stuck In Hole
(For Example - Employee Radiation Exposure, Source Stuck In Hole, etc.)	
Description of Incident (Facts Only) -> -> -> -> ->	
(Use additional pages if required)	
<p>While drilling ahead at 9635 feet driller had a drilling break. He decided to pick off bottom for flow check; well was flowing; shut in well. After circulating through the choke line for 7 hours discovered tool was stuck in hole. Several attempts were made to try to free tool but all were unsuccessful. Decision was made to abandon tool in hole.</p>	
(For Sources "Stuck in Hole" complete the "Stuck in Hole Notification Form)	
Surface Location: Latitude : N 28 deg 12 min 8.285 "	
Longitude W91 deg 32 min 14.937 "	
Actions Taken in Response to the Incident:	Attempted to free tool
Employee (Print Name/ Signature/Date):	Adrian Ajala 7/23/16
Radiation Protection Supervisor: (Print Name/Signature/Date)	Jeffery Wiehe 7/23/16
Location Manager (Print Name/Signature/Date):	Tony Yunker 7/23/16
Contact your Supervisor or a member of the Global Radiation Team for guidance in completing this form	



**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:	12:00 PM	/	7/23/16
Job Number (If Applicable):	7917140		
Gamma Source Serial Number (and activity) or N/A:	SN90688B / 92.5GBq		
Neutron Source serial number (and activity) or N/A:	SS41788B / 185 GBq		
Person Reporting & Contact #:	Jeffery Wiehe / 281-784-8357		
Location / Base Reporting:	Eugene Island Block 341		
Rig / Platform (If Applicable):	Rowan Gorilla IV / Offshore		
Well Name & Number (If Applicable):	OCS-G 02914 A014 ST02BP00		
Operator / Customer (If Applicable):	Arena Offshore, LP		
Operator / Customer Contact Information (If Applicable):	832-461-8765		
Name of Regulatory Authority that has jurisdiction:	Nuclear Regalatroy Commission		
License Reference Number (If Applicable):	42-02964-01 Amendmnet 85		
Radiation Protection Supervisor (RPS):	Jeffery Wiehe		
Water Depth (If Applicable):	272 feet		
Total Hole Depth (MD & TVD) (If Applicable):	9636 MD / 7121 TVD		
Bit depth (MD & TVD)(If Applicable):	9630 feet MD / 7117 feet TVD		
Gamma Source Location / Depth (If Applicable):	9579 feet MD / 7079 feet TVD		
Neutron Source Location / Depth (If Applicable):	9570 feet MD / 7072 feet TVD		
Surface Casing information/ Depth & Diameter (If Applicable):	Surface to 6006 feet / 9 5/8"		
Casing information / Depth & Diameter (If Applicable)	Whipstock set with window milled at 6006 feet MD / 4279 feet TVD		
Regulatory Authority Contact (Name & Date):			
Abandonment Authorized by (Name & Date):			

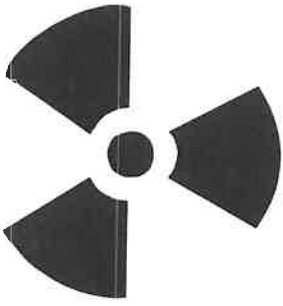
****Contact your Supervisor or a member of the Global Radiation Team for guidance in completing this form****

Arena Offshore LP

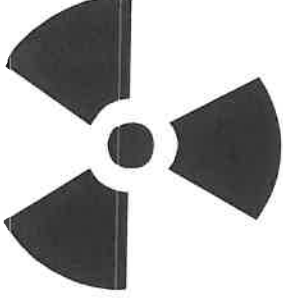
OCS-G 02914 A014 ST02BP00

Eugene Island Block 341

N 28 deg 12' 8.285" & W 91 deg 32' 14.937"



CAUTION



ONE 2.5 CURIE Cs-137 RADIOACTIVE SOURCE ABANDONED July 25, 2016 AT 9,579 FT MD. (7,079 FT TVD) AND ONE 5 CURIE AM-241/Be RADIOACTIVE SOURCE ABANDONED July 25, 2016 AT 9,570 FT. MD (7,072 FT. TVD). TOP OF FISH AT 6,377 FT MD (4,481 FT TVD).

DO NOT ENTER WELL BEFORE CONTACTING

Nuclear Regulatory Commission