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DNMS

January 5, 2018

U.S. Nuclear Regulatory Commission – Region IV
612 East Lamar Blvd., Suite 400
Arlington, TX 76011-4125

Attn: Division Director - DNMS

Re: **Notification of Well Logging Sealed Source Abandonment
Halliburton Energy Services, Inc.
USNRC License No. 41-01068-07**

This letter comprises the required 30-day written notification of source abandonment as required by 10 CFR 39.77(d). This is a follow-up to the communications between Halliburton and NRC Region IV in which permission to proceed with the abandonment was granted.

Date of Occurrence: 25 December 2017

Company Name: Byron Energy Inc.
201 Rue Iberville - Suite 604
Lafayette, LA 70508

Well Name & Registration No.: Endicott SDI 3-23A PB1
50-029-21645-01-00

Well Location: South Marsh Island Block 71
USA
Offshore, LA Gulf of Mexico
Longitude: 92° 8' 44.145W
Latitude: 28° 35' 56.842N

Sources Abandoned: One 15.0 Curie Am-241/Be doubly-encapsulated radioactive sealed source, solid, special form. QSA Global Inc. Model CDC.CY13. Source Serial Number 23647G.

One 2.0 Curie Cs-137 doubly-encapsulated radioactive sealed source, solid, special form. AEA Technology QSA, Inc. Model CDC.CY13. Source Serial Number 59428B.

Logging sources held within the source ports contained within the sidewalls of heavy pipe wall Measurement While Drilling (MWD)

logging tools.
Sources threaded into the source ports and torqued down to 80 ft-lb.

Immobilization method: Cement plug on top of the fish. The cement plug also serves as the kickoff device.

Results of Efforts to Immobilize and set sources in place: Abandonment procedure successfully completed on 29-December-2017

Depth of Well: 8,614' MD / 7,407' TVD

Depth of Bottom of Fish: 8,590' MD / 7,394' TVD

Depth of Sources: Am-241/Be source located at 8,509 ft. MD
Cs-137 source located at 8,522 ft. MD

Depth of Top of Fish: 7,859 ft. MD / Not Deviated TVD

Depth of Bottom of Cement Plug: 8,467 ft. MD / 8,100 TVD

Depth of Top of Cement Plug: 7,853 ft. MD / 7,700 TVD

Description of Recovery Attempts: The rig was at Kelly down, back reaming to make a connection at 13:00, hole packed off and torqued up. Shut down pumps and hole collapsed on BHA. 13:05 began jarring, tried rotating, seeing a max torque of 25k and tried pumping with no success. At 13:35 jars fired a total of 25 times. Still unable to pump or rotate. At 13:40 jars fired an additional 4 times. At 13:41 to 14:00 site survey performed. At 14:35 jars fired an additional 44 times. At 15:10 tried rotating up to 35k torque, still unable to rotate. 15:15 Still unable to establish circulation. @ 16:30 jars fired an additional 28 times. At 18:00 Jars fired an additional 26 times, and at 18:30 39 Times. Still unable to rotate. @ 20:20 to 21:30 Jars fired 63 times. @ 21:50 to 11:00 Jars Fired 46 Times. On 12/26 @ 00:13 Jars fired 27 times, 0:130 Jars Fired 34 times, 02:46 Jars fired 28 times, 04:14 to 07:15 Jars Fired 67 times. At 08:00 to 9:30 Jars fired 37 more times. At 11:23 jars fired 78 more times. Drilling jars fired approximately 546 times. At 11:55 rack back single joint, and pick up free

point but unable to pass at 5280' MD. 17:20 went back in with gauge to the 18th joint of heavy weight drill pipe. 20:30 POOH and attempt to RIH with tracking free point down to first joint below jars, POOH with tracking free point. On 12/27 @ 02:15 RIH with perforation guns. At 06:00 radio silence to perforate pipe @ 8465' MD. At 08:25 began to establish circulation @ 1 bbls/min @ 1000psi on Standpipe. From 08:30 to 11:00 stage up to 4bbls/min. From 11:00 to 13:22 stage up to 5 bbls/min. Try to backoff pipe. At 14:55 stop pumping and prepare to POOH with wireline. At 23:00 continuing to circulate through perforations in pipe. Trying to backoff pipe. Unsuccessful fishing attempt, Plan to Cement BHA in Hole.

Warning Plaque:

A permanent identification warning plaque was not fabricated due to the location of the rig off-shore and the well head being below water.

Sincerely,



1/5/2018

John Snow
Sr. Radiation Safety Officer
Halliburton Energy Services, Inc.
Email: john.snow@halliburton.com

Attachment: (1) Representation of Abandonment Plan

