

May 27, 2014



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

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

(1) Date Occurrence: Tool stuck in hole on April 28, 2014 @ 19:35 hrs.

(2) Irretrievable Source Descriptions:

5 Ci (185 GBq) Americium-241/Be -	Serial Number: SN77838B	QSA GLOBAL, AMN.CY3
2.5 Ci (92.5 GBq) Cesium-137 -	Serial Number: SN90677B	QSA GLOBAL, CDC.CY4

(3) Surface Location & Well Identification:

Operator -	Chevron USA, Inc.
Rig -	Esco 81
Well -	OCS-G 01146 F003 ST02BP00
Field -	Vermillion Block 245
Rig Surface Location -	N 28° 34' 14.871" and W 92° 26' 43.485"
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 -	7,798 feet Measured Depth (6,885 ft. TVD)
Cesium-137 -	7,808 feet Measured Depth (6,994 ft. TVD)

(7) Top of 2nd Cement Plug: Approximately 3,749 feet Measured Depth (3,384 ft. TVD)

First Plug Cementing Procedure

Break circulation, close valve, and test line to 4.800 psi. Batch the cement to verify density. Mix and pump 42 bbl cement @ 13.3 ppg (232 cu. ft) (200 sx of TXI). Pump 3 barrels of 10.8 ppg mud. Drop wiper ball. Initial pressure when starting displacement @ 4 barrels/minute was 2.000 psi. Pump 71 bbls of 10.8 ppg mud at 4 barrels per minute at 2.315 psi. Then shut down pump. Pressure dropped to 1.400 psi. Top of cement 7,000 feet MD (5,350 ft TVD).

Second Plug Cementing Procedure

Break circulation, close valve, and test line to 4,800 psi. Batch the cement to verify density. Mix and pump 15 bbls fresh water. Then pump 64 bbls of cement @ 13.3 ppg (232 cu. ft) (260 sx of TXI). Pump 2 barrels of fresh water and 41 bbls of 10.8 ppg mud. Pump wiper ball @ 110 spm,

1500 psi at 3,749 feet (3,384 ft. TVD). Bottom of cement estimated at 6,000 feet MD (5,350 ft. TVD).

Client elected to set bridge plug and sidetrack the well utilizing the top of the fish as the deflection device.

(8) Depth of Well: 9,208 ft. MD (8,266 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)

Chevron U.S.A. Inc.

OCS-G 01146 F003 ST02BP00

Vermilion Block 245

Offshore, Louisiana

Submitted By:

John R. Grove

Beau Broussard

Field Service Engineers

Date: 02 May 2014

Disclaimer

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Chronological Drilling Summary

13 April 2014

1400 FSEs John Grove and Beau Broussard arrive on location.
1600 Begin rigging up.

14 April 2014

0600 Continue rigging up.

15 April 2014

0600 Continue rigging up.

16 April 2014

0600 Waiting on rig to pick up whipstock assembly.
2100 LithoTrak tools arrive on location. Notice that the filter subs are missing.
2200 Contact Brian Moody to send out two filter subs.

17 April 2014

1130 Begin picking up whipstock assembly.
1245 Shallow test MWD tool in derrick.
1300 Continue to pick up whipstock assembly.
1650 Scribe MWD to whipstock at 200 degrees.
1700 Tool below rotary. **Begin LWD Run 1.**
1800 Stop tripping in hole to work on draw works.

18 April 2014

0005 Continue working on draw works.
1230 Finish repairing draw works.
1300 Resume tripping in hole with whipstock assembly.
1625 Start circulating.
1641 Orient whipstock to 51 degrees left of highside.
1715 Set whipstock at 3834 feet. Top of window is 3813 feet and bottom of the window is 3824 feet.
1735 Start milling casing window.
2315 Finish milling window.
2320 Off bottom to polish the window.

19 April 2014

0000 Begin drilling rathole.
0045 Circulate prior to FIT.
0140 Perform FIT. FIT = 13.00 ppg EQMW rig.
0350 Resume drilling rat hole.

0513 Pump sweep.
0810 Stop drilling at 3907 feet.
0900 Pump slug and pull two stands.
0915 Calibrate LWD depth tracking.
0950 Finish calibrating depth tracking.
1000 Continue to POOH.
1250 Tool above rotary. **End LWD Run 1.**
1310 Lay down NaviTrak.
1445 Pick up directional BHA.
1638 Plug into tool.
1715 Unplug from tool.
1745 Load density source.
1750 Load neuron source.
1800 Tool below rotary. **Begin LWD Run 2.**
1820 Shut down cabin for weekly purge shutdown test.
2203 Surface test tool.
2211 Send diagnostic downlink.
2215 Continue tripping in hole.

20 April 2014

0000 Continue tripping in hole. Depth= 3907' MD / 3501' TVD. RunCirc=
0.2 hr, OnBot= 0.0 hr.
0300 Rig up wireline .
0645 Set bit depth at 3745.10 feet.
0650 Start circulating.
0720 Downlink.
0730 Cycle pumps to turn battery on.
0740 Start **AP Run 2.**
0812 On bottom drilling.
0825 Downlink.
0850 Run Gyro on wireline.
1015 Take slow pump rate.
1117 Downlink.
1154 Run Gyro on wireline.
1321 Downlink.
1425 Checkshot survey.
1505 Downlink.
1512 Pump sweep at 4124 feet.
1532 MWIN= 9.7 ppg at 4158 feet.
1610 Simulate connection at 4214 feet.
1618 Downlink.
1620 Circulate bottoms up.
1633 Trip to the shoe.

1709 The tool is inside of casing.
1720 Rig down wireline and service the top drive.
1900 Trip in hole.
1930 Wash down the last stand.
1955 Downlink.
2002 Downlink.
2137 Downlink. The tool shut down during the downlink. Close BPA 1 wrap and resend downlink.
2145 Downlink.
2156 Pump sweep at 4319 feet.
2258 Slow pump rates at 4405 feet.
2325 Downlink.

21 April 2014

0000 Drilling ahead. Depth= 4461' MD / 3939' TVD. RunCirc= 10.7 hr, OnBot= 6.9 hr.
0050 Downlink.
0058 Pump sweep at 4504 feet.
0135 Off bottom, circulate bottoms up to lower ECDs.
0136 Downlink Ribs Off.
0206 Resume drilling.
0207 Downlink to Hold Mode. The tool shut down during the downlink. Close BPA 1 wrap and resend downlink.
0212 Downlink.
0300 Downlink.
0312 Pump sweep at 4608 feet.
0340 Downlink.
0414 Downlink to Ribs Off to backream stand to lower ECDs.
0455 Downlink.
0501 Pump sweep at 4696 feet.
0531 Downlink.
0535 MWIN= 9.8 ppg at 4737 feet.
0615 Take slow pump rate.
0642 Downlink.
0649 Pump sweep at 4791 feet.
0828 Pump sweep at 4895 feet.
0831 Downlink.
1010 Pump sweep at 5005 feet.
1036 Downlink.
1052 MWIN= 9.9 ppg at 5060 feet.
1121 Downlink.
1133 Pump sweep at 5080 feet.
1235 Downlink Ribs Off and circulate to lower ECDs.

1245 Pump sweep at 5167 feet.
1335 Downlink.
1340 Check sand content of mud at 5170 feet, < 0.25 percent.
1412 Downlink.
1515 Take slow pump rate.
1525 Pump sweep at 5267 feet.
1655 Pump sweep at 5360 feet.
1832 Pump sweep at 5453 feet.
1958 Downlink.
2005 MWIN= 10.1 ppg at 5550 feet.
2010 Pump sweep at 5555 feet.
2111 Slow pump rates at 5644 feet.
2133 Downlink.
2148 Pump sweep at 5654 feet.
2253 Downlink to Ribs Off to back ream stand.
2258 Pump sweep and circulate bottoms up at 5738 feet.
2350 Downlink.

22 April 2014

0000 Drilling ahead. Depth= 5740' MD / 5111' TVD. RunCirc= 32.3 hr,
OnBot= 23.2 hr.
0005 Off bottom for pump problems at 5740 feet.
0021 Resume drilling.
0025 Pump sweep at 5742 feet.
0115 The tool stopped pulsing while drilling ahead at 5819 feet. Pull off
bottom to cycle pumps.
0121 Tool resumed pulsing. Return to drilling.
0204 Downlink.
0215 Pump sweep at 5843 feet.
0310 Downlink to Ribs Off to back ream stand. The tool did not stop
pulsing, open BPA 1 wrap.
0315 Resend downlink.
0333 Pump sweep and circulate bottoms up at 5929 feet.
0425 Slow pump rates at 5929 feet.
0442 Downlink.
0450 Pump sweep at 5932 feet.
0600 Downlink Ribs Off at 6024 feet and circulate to lower ECDs.
0607 Pump sweep at 6024 feet.
0700 Downlink to turn Ribs on.
0706 MWIN= 10.2 ppg at 6030 feet.
0708 Pump sweep at 6031 feet.
0837 Pump sweep at 6120 feet.
0842 MWIN= 10.3 ppg at 6128 feet.

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- 0930 Perform mud check at 6210 feet with 10.3 ppg.
Rm= 0.87 ohm-m at 70 deg F, RmBHC= 0.41ohm-m at 154 deg F,
RmF= 0.59 ohm-m at 70 deg F, RmFBHC= 0.28 ohm-m at 154 deg F,
RmC= 0.86 ohm-m at 70 deg F, RmCB C= 0.28 ohm-m at 154 deg F.
- 0949 Take slow pump rate.
1017 Downlink.
1145 Pump sweep at 6312 feet.
1335 Pump sweep at 6405 feet.
1515 Downlink.
1520 Pump sweep at 6537 feet.
1530 MWIN= 10.4 ppg at 6540 feet.
1657 Pump sweep at 6595 feet.
1839 Downlink.
1847 Pump sweep at 6690 feet.
2018 Slow pump rates at 6780 feet.
2038 Downlink.
2050 Pump sweep at 6790 feet.
2206 Downlink to Ribs Off to circulate prior to short trip.
2216 Pump sweep at 6875 feet.
2311 Pump sweep at 6875 feet.

23 April 2014

- 0000 Circulating prior to short trip. Depth= 6875' MD / 6147' TVD. RunCirc=
54.3 hr, OnBot= 38.5 hr.
- 0020 Pump slug.
0030 Pull to shoe.
0240 Having trouble pulling to shoe, trip back in hole.
0300 Circulate off bottom.
0345 Backream to shoe.
1255 Inside of casing.
1305 Pump sweep and circulate bottoms up.
1410 Pull out of hole.
1420 **End AP Run 2.**
1650 Tool above rotary. **End LWD Run 2.**
1655 Unload neutron source.
1700 Unload density source.
1720 Plug into tool.
1815 Unplug from tool.
1835 Rack back tool in the derrick.
1900 Perform top drive maintenance.

24 April 2014

0000 Continue top drive maintenance.
0200 Rig up for BOP Test.
0700 Finished testing BOPs.
0815 Load density source.
0820 Load neutron source.
0825 Tool below rotary. **Start LWD Run 3.**
0935 Shallow test LWD tool with 300 gpm.
0942 Send test downlink.
0948 Resend downlink and increase flow to 350 gpm.
0935 Continue to trip in hole.
1100 Float not holding, troubleshoot.
1150 Pull out of the hole to change out the float.
1450 Remove float and found tyewrap stuck in it. Install new float.
1500 Trip back to bottom.
1648 Calibrate calipers inside of casing and establish baseline ECD readings.
1720 Cut and slip drill line.
2030 Calibrate hookload sensor.
2100 Trip in hole. **Begin AP run 3.**
2358 Set bit depth at 6599.08 feet.

25 April 2014

0000 Continue trip in hole. Depth= 6875' MD / 6147' TVD. RunCirc= 0.7 hr, OnBot= 0.0 hr.
0005 Wash down last three stands.
0140 Slow pump rates at 6875 feet.
0152 On bottom drilling.
0215 Downlink.
0225 Pump sweep at 6882 feet.
0301 Perform mud check at 6914 feet with 10.5 ppg.
Rm= 0.79 ohm-m at 95 deg F, RmBHC= 0.53ohm-m at 145 deg F,
RmF= 0.66 ohm-m at 95 deg F, RmFBHC= 0.44 ohm-m at 145 deg F.
0426 Downlink.
0436 Pump sweep at 6978 feet.
0631 Pump sweep at 7070 feet.
0707 Downlink.
0737 MWIN= 10.6 ppg at 7139 feet.
0805 Pump sweep at 7165 feet.
1036 Pump sweep at 7263 feet.
1244 Pump sweep at 7354 feet.
1440 Downlink.

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- 1515 Pump sweep at 7481 feet.
 - 1541 Perform mud check at 7510 feet with 10.5 ppg. Sand content is <0.25 percent.
Rm= 0.99 ohm-m at 66 deg F, RmBHC= 0.43ohm-m at 158 deg F,
RmF= 0.57 ohm-m at 66 deg F, RmFBHC= 0.25 ohm-m at 158 deg F.
RmC= 1.03 ohm-m at 66 deg F, RmCBHC= 0.45 ohm-m at 158 deg F.
 - 1655 Pump sweep at 7552 feet.
 - 1848 Slow pump rates at 7637 feet.
 - 1911 Downlink. The tool did not stop pulsing, open BPA 1 wrap.
 - 1916 Resend Downlink.
 - 1926 Pump sweep at 7645 feet.
 - 2155 Pump sweep at 7737 feet.
 - 2227 MWIN= 10.8 ppg at 7762 feet.

26 April 2014

- 0000 Drilling ahead. Depth= 7828' MD / 7012' TVD. RunCirc= 23.1 hr,
OnBot= 18.3 hr.
- 0005 Slow pump rates at 7828 feet.
- 0026 Downlink.
- 0035 Pump sweep at 7832 feet.
- 0254 Downlink.
- 0300 Pump sweep at 7925 feet.
- 0310 Perform mud check at 7935 feet with 10.8 ppg. Sand content is <0.25 percent.
Rm= 0.75 ohm-m at 104 deg F, RmBHC= 0.48ohm-m at 164 deg F,
RmF= 0.66 ohm-m at 104 deg F, RmFBHC= 0.43 ohm-m at 164 deg F.
- 0320 Pump sweep at 7925 feet.
- 0724 Stop drilling at 81143 feet and circulate prior to short trip.
- 0734 Survey off bottom.
- 0739 Downlink ribs off.
- 0746 Pump sweep at 8113 feet.
- 0907 Slow pump rate.
- 0920 Start short trip.
- 1145 Trip back to bottom.
- 1245 Wash last stand down and circulate bottom up.
- 1600 Perform mud check at 7510 feet with 10.5 ppg. Sand content is <0.25 percent.
Rm= 0.88 ohm-m at 65 deg F, RmBHC= 0.37ohm-m at 163 deg F,
RmF= 0.86 ohm-m at 65 deg F, RmFBHC= 0.36 ohm-m at 163 deg F.
RmC= 1.06 ohm-m at 65 deg F, RmCBHC= 0.44 ohm-m at 163 deg F.
- 1953 Downlink.

27 April 2014

- 0000 Drilling ahead. Depth= 8472' MD / 7597' TVD. RunCirc= 42.6 hr,
OnBot= 33.4 hr.
- 0218 Downlink.
- 0501 Gas 121 units at 8560 feet.
- 0635 Downlink Ribs Off and circulate out gas.
- 0642 Simulate connection and resume circulating.
- 0752 Take slow pump rates.
- 0816 Downlink Hold Mode.
- 1028 Downlink.
- 1030 Perform mud check at 8684 feet with 10.8 ppg. Sand content is 0.25 percent.
Rm= 0.94 ohm-m at 66 deg F, RmBHC= 0.38ohm-m at 168 deg F,
RmF= 0.73 ohm-m at 66 deg F, RmFBHC= 0.30 ohm-m at 168 deg F,
RmC= 1.1 ohm-m at 66 deg F, RmCBHC= 0.45 ohm-m at 168 deg F.
- 1200 Off bottom at 8758 feet due to cabin powers down due to loss of purge. High wind blew purge hose loose and it collapsed on to itself.
- 1210 Fixed purge hose and powered up cabin.
- 1215 Power up computers and start programs.
- 1220 Reset block position to 95.12 feet and reset bit depth to 8686.62 feet.
- 1224 Cycle pumps for LWD to get in sync.
- 1234 On bottom drilling.
- 1313 High stick-slip at 8760 feet, directional driller is on rigfloor adjusting drilling parameters in order to mitigate stick-slip issues.
- 1427 Downlink Ribs Off.
- 1530 Downlink Hold Mode.
- 1551 Pump sweep at 8784 feet.
- 1645 Pump sweep at 8004 feet.
- 2300 Slow pump rates at 9063 feet.

28 April 2014

- 0000 Drilling ahead. Depth= 9088' MD / 8157' TVD. RunCirc= 65.3 hr,
OnBot= 50.6 hr.
- 0155 Downlink. The tool shut off, close BPA 1 wrap.
- 0202 Resend downlink. The tool did not stop pulsing, open BPA ½ wrap.
- 0206 Resend downlink.
- 0300 Perform mud check at 9167 feet with 10.8 ppg. Sand content is 0.10 percent.
Rm= 0.72 ohm-m at 112 deg F, RmBHC= 0.46ohm-m at 177 deg F,
RmF= 0.51 ohm-m at 112 deg F, RmFBHC= 0.33 ohm-m at 177 deg F.
- 0612 Downlink Ribs Off.

-
- 0741 Pump sweep at 9185 feet.
 - 1020 Perform mud check at 9167 feet with 10.8 ppg. Sand content is < 0.25 percent.
Rm= 0.85 ohm-m at 66 deg F, RmBHC= 0.33ohm-m at 176 deg F,
RmF= 0.63 ohm-m at 66 deg F, RmFBHC= 0.25 ohm-m at 176 deg F.
Rmc= 0.97 ohm-m at 66 deg F, RmFBHC= 0.38 ohm-m at 176 deg F.
 - 1236 Stop drilling at 9208.52 feet due to low ROPs.
 - 1340 Pull out of hole.
 - 1425 Begin backreaming out of hole at 8723 feet.
 - 1730 Hole begins packing off. We are able to work the pipe up and down but not circulate.
 - 1935 The BHA is stuck in hole at 7863 feet.

29 April 2014

- 0000 Stuck in hole. Depth= 9208' MD / 8266' TVD. RunCirc= 82.5 hr, OnBot= 60.4 hr.
- 0600 Wait on wireline.
- 1700 Offload wireline equipment from the boat.
- 2100 Rig up wireline equipment.
- 2134 Shut down computer to rig up Chevron phone line.
- 2223 Restart computers.

30 April 2014

- 0000 Running free point on wireline. Depth= 9208' MD / 8266' TVD. RunCirc= 83.2 hr, OnBot= 60.4 hr.
- 0900 Cement BHA in the wellbore.
Pump 42 bbls (200 sks (232 cubic feet)) of cement down hole through the LWD tool bullheading the cement in to the formation. Top of cement is 7000 feet and estimate bottom of cement is 8700 feet in open hole.
- 1900 Trip in hole with wireline.
- 1930 Part drillstring at 3856feet.
- 1940 Trip out of hole with wireline.
- 2035 Pump sweep at circulate a bottoms up.
- 2133 Pull out of hole.

01 May 2014

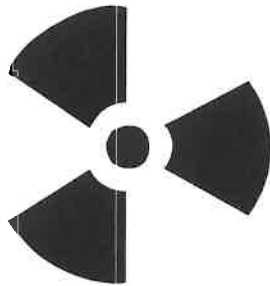
- 0045 Pick up clean out assembly.
- 0055 Trip in hole with clean out assembly.
- 0245 Circulate at 3807 feet.
- 0408 Pull out of hole.
- 0530 Out of the hole with clean out assembly.
- 0600 Test BOPs.

1830 Testing BOPs.
1900 Work on top drive.

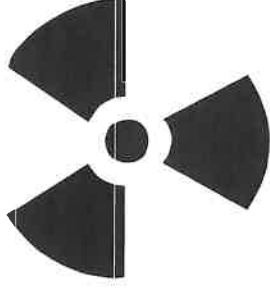
02 May 2014

0005 Continue to work on top drive.
0700 Run EZSV in on wireline.
1030 Set EZSV at 3749 feet.
1100 Pull out of hole with wireline.
1130 Trip in hole with Halliburton cement stinger.
1400 Tagged EZSV packer at 3752 feet, sting into packer set 30k down.
1600 Break circulation and establish injection rates.
1700 Perform cement squeeze job. Pump 15 bbls FW and 64 bbls cement
(260 sks). Estimate bottom of cement at 6000 feet.
1830 Sting out of packer and reverse circulate. No cement returns.
1845 Start new job for OCS-G 01146 F003 ST02BP01 well.

Chevron U.S.A. LLC
OCS-G 01146 F003 ST02BP00
Vermillion Block 245
N 28 deg 34' 14.871" & W 92 deg 26' 43.485"



CAUTION



ONE 2.5 CURIE Cs-137 RADIOACTIVE SOURCE ABANDONED
May 2, 2014 AT 7,808 FT MD. (6,994 FT TVD) AND ONE 5
CURIE AM-241/Be RADIOACTIVE SOURCE ABANDONED May 2,
2014 AT 7,798 FT. MD (6,985 FT. TVD). TOP OF FISH AT
3,856 FT MD (3,464 FT TVD).

DO NOT ENTER WELL BEFORE CONTACTING

Nuclear Regulatory Commission



GLOBAL RADIATION SAFETY RSF-1667

Radiation Incident Report / LOST IN HOLE Report

(Email to the Radiation Safety Officer (Houston) within 24 hours)

Report Time / Date:	09:45	/	04/29/2014
Baker Hughes Job Number (If Applicable):	5740093		
Date and Time of Incident:	19:35	/	04/28/2014
Location of Incident:	OCS-G 01146 F003 ST02BP00		
Name of Persons Involved in Incident:			
Name of Responsible Engineer:	John R. Grove		
Equipment Involved in Incident:	SN90677B / SN77838B		
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>BHA stuck while POOH. Jarred a couple of time but unable to jar at present.</p> <p>Surface Location:</p> <p>N 28 deg 34' 14.871" & W 92 deg 26' 43.485" In Vermillion Block 245</p>		
	(For Sources "Stuck in Hole" complete the "Stuck in Hole Notification Form)		
Actions Taken in Response to the Incident:	Notify RSO and Operations Coordinator		
Employee (Print Name/ Signature/Date):			
Radiation Protection Supervisor: (Print Name/Signature/Date)	John R. Grove 04/29/2014		
Location Manager (Print Name/Signature/Date):			
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:	04/29/2014	/	09:45
Job Number (If Applicable):	5740093		
Gamma Source Serial Number (and activity) or N/A:	SN90677B (2.5 Ci, Cs-137) QSA Global Inc CDC.CY4		
Neutron Source serial number (and activity) or N/A:	SN77838B (5.0 Ci, AmBe) QSA Global Inc AMN.CY3		
Person Reporting & Contact #:	John R. Grove (281) 784-8357		
Location / Base Reporting:	OCS-G 01146 F003 ST02BP00 Vermilion Block 245		
Rig / Platform (If Applicable):	ENSCO 81		
Well Name & Number (If Applicable):	OCS-G 01146 F003 ST02BP00		
Operator / Customer (If Applicable):	Chevron USA, Inc.		
Operator / Customer Contact Information (If Applicable):	Everette Creel		
Name of Regulatory Authority that has jurisdiction:	Nuclear Regulatory Commission		
License Reference Number (If Applicable):	17-27437-01		
Radiation Protection Supervisor (RPS):	John R. Grove		
Water Depth (If Applicable):	134		
Total Hole Depth (MD & TVD) (If Applicable):	9208 ft MD/ 8266 ft TVD		
Bit depth (MD & TVD)(If Applicable):	7863 ft MD / 7044 ft TVD		
Gamma Source Location / Depth (If Applicable):	7808 ft MD / 6994 ft TVD		
Neutron Source Location / Depth (If Applicable):	7798 ft MD / 6985 ft TVD		
Surface Casing information/ Depth & Diameter (If Applicable):	7.625" From surface to 3824 ft MD / 3440 ft TVD (Bottom of Window)		
Casing information / Depth & Diameter (If Applicable)			
Regulatory Authority Contact (Name & Date):	NRC 042914		
Abandonment Authorized by (Name & Date):	Anthony Gaines NRC 042914		

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