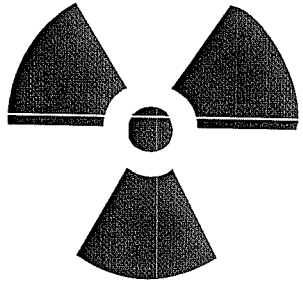
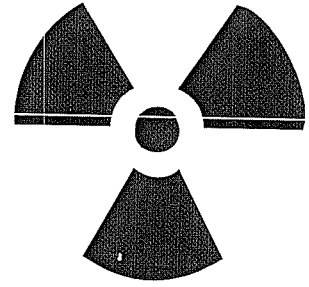
Apache Corporation.
OCS-G 02600 C028 ST00BP00
High Island Block 138
N 29 deg 5' 8.739" and W 91 deg 52' 24.945"



CAUTION



ONE 2.5 CURIE Cs-137 RADIOACTIVE SOURCE ABANDONED June 14, 2008 **AT** 17,159 FT. (14,735 FT. **TVD**) **AND ONE 5 CURIE AM-241/Be RADIOACTIVE SOURCE ABANDONED** June 14, 2008 **AT** 17,148 FT. (14,728 FT. **TVD). TOP OF FISH AT** 14,904 FT (13,161 **TVD).**

DO NOT ENTER WELL BEFORE CONTACTING

NUCLEAR REGULATORY COMMISSION

Apache Corporation

OCS-G 02600 C028 ST00BP00 / ST00BP01

South Marsh Island Block 281

Offshore, Louisiana

Submitted By:

John R. Grove

Mounir El Saleh

Stephen Martin

Tien Bui

Chad Murphy

Jeff Wiehe

Date: ?? June 2008

Disclaimer

Baker Hughes INTEQ does not guarantee the accuracy or correctness of interpretations provided in or from this report. Since all interpretations are opinions based on measurements, Baker Hughes INTEQ shall under no circumstances be responsible for consequential damages or any other loss, costs, damages or expenses incurred or sustained in connection with any such interpretations. Baker Hughes INTEQ disclaims all expressed and implied warranties related to its service which is governed by Baker Hughes INTEQ's terms and conditions.

Chronological Drilling Summary

22 May 2008

0000 Midnight depth is 16945 feet MD.

0003 Downlink, WF = 25.806, at 16945 feet MD.

0009 Back on bottom.

0010 Pump sweep at 16946 feet MD.

0200 Kelly down at 17016 feet MD.

0215 Off bottom circulating due to stickiness.

0237 Back on bottom.

0312 Off bottom for MWD survey.

0318 Survey at 16994 feet MD.

0322 Downlink, WF = 35.484, at 17037 feet MD.

0328 Back on bottom.

0407 Mud check at 17062 feet MD with Rm = 0.72, Rmd = 0.24

0459 Downlink, WF = 100, at 17098 feet MD..

0506 Back on bottom drilling.

0521 Kelly down at 17110.73 feet MD.

0533 Check shot survey at 17070.

0545 Back on bottom.

0617 Off bottom for MWD survey.

0625 Survey at 17088 feet MD.

0630 Pump sweep at 17131 feet MD.

0633 Back on bottom.

0815 Kelly down at 17205 feet MD.

0843 Back on bottom.

0857 Off bottom for MWD survey.

0903 Survey at 17183 feet MD.

0908 Back on bottom.

0952 Off bottom at 17278 feet MD to recycle the pump. Lost communications with AutoTrak.

0959 Reduce flow to reset tool. Still no communications with AutoTrak.

1007 Back on bottom.

1024 Kelly down at 17300 feet MD.

1030 Circulate out gas.

1112 2200 units of gas.

1118 1120 units of gas.

1137 2000 units of gas.

1138 Downlink, change FID 6 to FID 5, at 17300 feet MD.

1148 3900 units of gas.

1159 1300 units of gas.

1232 Increase mud weight to 16.6 ppg at 17300 feet MD.

1236 2000 units of gas.

1246 1300 units of gas.

1311 1200 units of gas.

1350 Lost return after making connection.

1415 Rack one stand back.

1423 Pump LCM pill down drill pipe.

1428 Pump LCM sweep.

1515 Stop pumping and monitor well.

1713 Pump LCM sweep.

1735 Begin pulling out of hole.

1745 Stuck tool at 17205 feet MD. Begin jarring on tool.

1814 Attempting to circulate. Failed.

23 May 2008

0000 Midnight depth is 17300 feet MD.

1330 Wireline on location and rigging up.

2230 Begin running wireline in the hole.

24 May 2008

0000 Midnight depth is 17300 feet MD.

0100 Wireline could not get below 13600 feet, POOH.

0230 Add more weight bar to wireline and going back in.

0300 Running free point.

0500 Could not get below 13500 feet. Pulling out.

0700 Determined that pipe stuck at 14809 feet MD.

0800 Monitoring well.

0843 Casing pressure at 600 psi.

0930 Casing pressure at 675 psi.

0935 Pick up string shot and run in with wireline to make backoff.

1100 Begin running wireline in hole.

1130 Casing pressure at 1150 psi.

1139 Casing pressure at 1225 psi.

1400 Wireline could not get below 13966 feet, POOH.

1532 Wireline on surface.

1600 Rig down wireline.

2130 Rig up BJ to pump down drill pipe to unplug pipe and bit.

2300 Begin pumping in 2 barrels per minute at 5000 psi.

2315 Break down formation with 8800 psi. Pipe and bit unclogged.

2350 Run in hole with string shot to make back off.

25 May 2008

0000 Midnight depth is 17300 feet MD.

0400 Backed pipe off at 14192 feet MD.

0700 POOH with wireline.

1600 Out of the hole with wireline begin circulating 16.5 ppg mud to kill well.

26 May 2008

0000 Midnight depth is 17300 feet MD.

1000 FSEs Bui and Wiehe leave the rig.

1430 Open the well and start circulating 15.0 ppg mud around.

2200 Getting 15.0 ppg mud back, raise mud weight to 15..2 ppg.

27 May 2008

0200 Getting 15.2 ppg mud back, raise mud weight to 15.4 ppg.

0500 Stop circulating and monitor well.

0545 Pull pipe to get to top of the 9 5/8" liner .

0730 Above the 9 5/8" liner, stop pulling pipe.

0800 Cut mouse hole loose and lay out.

0900 Continue to POOH.

1700 Out of the hole. Pick up fishing assembly.

1830 Trip back in hole with fishing BHA.

28 May 2008

0030 Start circulating at top of the fish.

0100 Gas 4000 units, continue to circulate 15.4 ppg mud.

0530 Reduce flow rate and change out topdrive brakes.

1700 Finished changing the brakes on the topdrive.

1715 Slip and cut drill line.

1845 Start circulating.

2245 Screw back into the fish.

2300 Start jarring.

29 May 2008

0100 Stop jarring.

0110 Pressure up to 4000 psi with rig pumps while trying to establish circulation through the drill pipe.

0130 Rig up BJ cementing.

0145 Pressure up to 8400 psi with cementing unit while trying to establish circulation.

0200 Rig up wireline.

0330 Wireline could only get down to 14220 feet MD.

0400 POOH with wireline.

0530 Rig down wireline and rig up coil tubing.

1900 Finished rigging up coil tubing.

1930 Shell test coil tubing BOPs.

2030 RIH with coil tubing.

30 May 2008

0001 Continue to RIH with coil tubing.

0200 Start washing down with coil tubing.

0800 Finished washing down to 17004 feet MD.

0830 Circulate and condition mud.

1300 POOH with coil tubing.

1800 Out of hole with coil tubing. Rig coil tubing down partially.

2200 Finished rigging down coil tubing. Rig up wireline.

31 May 2008

0001 Continue to rig up wireline.

0200 TIH with wireline free point tool.

0400 Wireline could not get pass 14145 feet MD, POOH.

0730 Run back in hole with wireline and gauge ring.

1200 Wireline could not get pass 14780 feet MD, POOH.

1330 Out of the hole with wireline. Rig down wireline and rig up coil tubing.

1730 Shell test coil tubing BOP.

1830 TIH with coil tubing wash tool.

2230 Washed down to 15500 feet MD and circulate 15.5 ppg mud.

2300 POOH.

01 June 2008

0130 Run in hole with Black warrior severing tool on coil tubing.

1130 Severe drill pipe at 15000 feet MD.

1145 POOH and rig down coil tubing.

1530 Rig up to circulate down drill pipe. Pressure up to 2500 psi and would not circulate. Continue to jar, torque and work pipe.

1800 Unable to pull pipe free. Rig up wireline.

2030 Pick up wireline string shot and TIH free falling to 13200 feet MD.

2300 Pump wireline down to 14800 feet MD.

2330 Attempt to make back off at 14670 feet MD.

2345 POOH with wireline.

02 June 2008

0030 Out of the hole, found that the string shot did fire.

0045 TIH with second string shot.

0330 Attempt to make back of at 14645 feet MD.

0345 POOH with wireline.

0430 Out of the hole with wireline and found second shot did fired.

0500 RIH with wireline free point tool and check for free point from 14882 to 13210 feet MD. No indication, POOH.

0900 RIH with 4 shot perforation gun and perforate drill pipe at 14694 feet MD.

1030 Circulate at 14694 feet MD.

1200 Continue to circulate while POOH with wireline.

1500 Make up wireline string shot.

1600 RIH with wireline string shot to 14679 feet MD.

1700 Attempt to make back off at 14679 feet MD.

1715 POOH with wireline.

1800 Make up free point and trip in hole to 14882 and check for free point.

2000 No indication of back off. Circulate while POOH with wireline.

2100 Rig down wireline.

2130 Circulate while jarring on stuck pipe at 17205 feet MD.

2330 Stop jarring and rig up wireline.

03 June 2008

0000 Continue to rig up wireline.

0100 Finished rigging up wireline and TIH with string shot.

0200 Having problem going down with wireline at 13850 feet MD. Start pumping wireline down from 13850 to 13928 feet MD. Could not get pass top of the jars at 13928 feet MD.

0230 POOH with wireline.

0300 Out of the hole with wireline and found shot had prematurely fired.

0400 Run in with gauge ring on wireline.

0500 POOH with gauge ring.

0600 Out of the hole with wireline. Start circulating and jarring on stuck pipe.

1100 Pipe comes free, continue to circulate.

1500 POOH with fish.

04 June 2008

0001 Continue POOH.

0200 Out of the hole. Recovered 14 ¾ joints of pipe below jars.

0300 Begin testing BOPs.

0830 BOP test not successful. Ring gasket leaking on the stack. Wait on Halliburton tool hand to run storm packer.

1300 TIH with storm packer. Run 70 stands below packer for weight.

1700 Set packer and POOH.

2000 Rig working on BOPs.

05 June 2008

0100 Finished repairing BOP stack.

0130 Resume testing BOPs.

0400 Finished testing BOPs.

0500 Retrieve storm packer and pull out of the hole.

0945 Out of the hole. Pick up fishing assembly.

1030 Trip with fishing assembly.

1530 Circulating at 6000 feet MD.

1630 Continue to trip in hole.

06 June 2008

0030 Wash from 14574 feet to, top of the fish, 14648 feet.

0100 Latch on to the fish and jar.

0200 Unable to pull fish. Rig up wireline to gauge ring.

0430 Tag up with gauge ring at 14862 feet, attempt to pump wireline tool down.

0500 POOH with wireline.

0530 Out of the hole with wireline and rig down.

0700 Rig up coil tubing.

2100 Finish rigging up coil tubing and begin testing coil tubing's equipment.

07 June 2008

0045 Finish testing coil tubing's BOP stack.

0100 Displace coil tubing reel with 15.4 ppg mud.

0130 RIH with 2 1/8" wash nozzle on coil tubing.

0600 Washed down to 15000 feet with coil tubing.

0615 POOH with coil tubing.

0730 Out of the hole with coil tubing lay out 2 1/8" wash nozzle and make up Baker cutter assembly on coil tubing.

0930 RIH with Baker cutter assembly on coil tubing.

1100 Tag up at 3838 feet. Shut down and inspect coil tubing injector head.

1130 Continue to trip in hole with Baker cutting assembly on coil tubing.

1200 Tag up at 5000 feet. Shut down and trouble shoot coil tubing injector head.

1300 POOH.

1400 OOH, inspect Baker cutting assembly. No indication of wear.

1500 Run back in hole with Baker cutting assembly on coil tubing.

1600 Tag up at 2800 feet, POOH.

1700 OOH, lay down baker cutting assembly. Rig up circulate through drill pipe.

1900 Make up Baker (BOT) mud motor and 2 5/8" (3) bladed mill.

2000 Unable to pass assembly through the safety valve.

2030 Lay out 2 5/8" mill and pick up 2 ½" cement mill.

2100 RIH pumping ¾ BPM with coil tubing and 5 BPM with rig pump down drill pipe.

08 June 2008

0001 Continue to with mud motor and 2 ½" cement mill.

0300 Ream down to 15000 feet with no problems.

0315 POOH, pumping ¾ BPM with coil tubing and 5 BPM down drill string with rig pump.

0700 OOH, lay out 2 ½" mill assembly and pick up Baker's 2 ½" cutter with 3 – H150910012 knives on coil tubing.

0800 RIH with coil tubing.

1230 RIH with Baker cutter assembly to 14880 feet.

1240 Shut down and drop ½" ball, pump 7 barrels behind.

1300 Stop pumping and let ball free fall for one hour.

1400 Continue to pump ball down.

1500 Start cutting on 5" drill pipe at 14880 feet.

1700 Shut down and attempt to pull 3 klbs on drill string. No indication of pipe being severed.

1730 Drop 9/16" ball, pump down with coil tubing to shear pressure sub.

1800 POOH with coil tubing while pumping 3 BPM with rig pump and ¾ BPM with coil tubing.

2000 OOH, displace coil tubing with sea water.

2100 Lay down Baker cutter assembly and rig down coil tubing equipment.

09 June 2008

0130 Finish rigging down coil tubing.

0145 Rig up and jar on stuck pipe.

0220 Pipe came free.

0230 Circulate bottoms up.

0530 Flow check (-).

0540 Pump slug.

0600 POOH with fish.

1400 OOH and lay down overshot and 113 feet of fish.

1530 Service top drive while monitoring well.

1700 Pick up fishing assembly.

2000 Trip in hole with 7 5/8" wash pipe assembly on 5" drill pipe.

10 June 2008

0001 Continue to trip in hole.

0330 Circulate bottoms up at 13312 feet.

0600 Continue to trip in hole.

0800 Start washing and reaming from 14711 to 14751 feet.

0945 Swivel packing leaking.

1000 Shut down and change out swivel packing.

1100 Resume washing and reaming.

1930 Finished washing and reaming at a depth of 14895 feet. Back ream up 30 feet and ream back down to 14890 feet. Hole is packing off, 5 feet of fill present.

2000 Back ream from 14890 to casing shoe at 14722 feet.

2100 Continue to POOH from 14722 to liner top at 13312 feet.

2130 Circulate bottoms up at 13312 feet, max gas 360 units and mud cut from 15.4 ppg to 15.2 ppg.

2300 Flow check (-).

2310 Pump slug.

2330 POOH.

11 June 2008

0300 Continue to POOH.

0830 OOH, lay out the wash pipe.

0930 Pick up fishing assembly (8 1/8" over shot and jars).

1030 Run in hole with fishing assembly.

12 June 2008

0930 Out of the hole with the fish. Rigging down wireline unit.

1100 Picking up BHA for cleanout run.

1230 Trip in hole.

2030 Slip and cut drill line.

13 June 2008

0001 Circulate bottoms up at the casing shoe.

0100 Wash down to the top of the fish at 14904 feet.

0200 Circulate bottoms up.

0330 Pump slug and pull out of the hole.

1100 Out of the hole with the BHA.

1130 Pick up cementing assembly.

1430 Trip in the hole with the cementing assembly.

2230 Circulate bottoms up at the casing shoe.

14 June 2008

0000 Circulate and condition mud.

0400 Rig up and pump 257 sacks of cement.

0530 Pull out of the hole 11 stands to 13864 feet.

0630 Squeeze 5 barrels of mud into the formation. Estimated top of the cement is 14592 feet.

0730 Monitor well.

0830 Circulate and condition mud.

1100 Flow check (-). Pump slug.

1130 Pull out of the hole.

1630 Laid down tubing stringer.

1930 Remove wear bushing.

2030 Rig up wireline.

15 June 2008

0000 Begin running wireline for caliper log.

0600 Rig down wireline.

0730 Start testing BOPs.

1300 Rig down testing assembly.

1400 Set wear bushing in wellhead.

1500 TIH heavy weight and prepare to run casing scraper.

1800 Make up bit and casing scraper assembly.

1900 TIH with casing scraper.

16 June 2008

0000 Continue tripping in with casing scraper.

0830 Begin washing down from 13730 to 14451 feet.

1000 Drill cement from 14451 to 14694 feet.

1400 Pump hi viscosity pill.

1730 Pull out of the hole with the casing scraper.

17 June 2008

0000 Prepare to run wireline.

0600 Run wireline.

18 June 2008

0001 Continue wireline logging.

0530 Rig down wireline.

0900 Begin picking up steerable bottom hole assembly.

0935 Plug into tool.

0955 Unplug from tool.

1000 Tool below rotary. **Begin Run 7**.

1005 Trip in hole.

1126 Surface test, good.

1520 Fill up pipe at 75 stands in hole.

1640 Surface test tool. Successful.

1902 Set block height and bit depth at 14602.96 feet.

1910 Drill cement at 14700 feet.

1950 Drill out of casing shoe at 14722 feet MD.

2000 Begin time drilling to kick off for bypass at 14735 feet MD.

0156 Stop drilling at 14768 feet. Circulating prior to testing the shoe.

0212 Stop circulating.

0220 Prepare for FIT.

0230 Perform FIT. Rig FIT = 17.59 ppg EQMW.

0318 FIT MWD = 17.81 ppg EQMW.

0320 Take slow pump rates.

0328 Pump sweep.

0340 On bottom, drill ahead (Time drilling).

0618 Off bottom at 14800 feet for survey.

0631 Pump sweep at 14791 feet MD. Decoding is poor.

0636 Cycle pump to get decoding after sweep.

0641 On bottom, drill ahead.

1135 Pump sweep.

1405 Pumps down.

1416 Pump slug.

1420 Pull out of the hole.

1435 Inside casing. **End AP Run 7.**

19 June 2008

0000 Midnight depth is 14753 feet MD. Continue time drilling.

0156 Stop drilling at 14768 feet MD. Circulate.

0212 Stop circulating.

0230 Perform FIT.

0318 MWD FIT showed 17.81 ppg EQMW.

0320 Take slow pump rates.

0328 Pump sweep.

0340 On bottom drilling.

0618 Off bottom at 14800 feet for survey.

0631 Pump sweep at 14791 feet. No decoding.

0636 Recycle pump to decode.

0641 On bottom, drilling ahead.

1135 Pump sweep.

1405 Pumps down.

1416 Pump slug.

1420 Pull out of the hole.

1435 Inside casing. **End AP Run 7.**

2240 Tool above rotary. **End Run 7.**

20 June 2008

0000 Total circulating hours: 17.7 hrs.

0030 Pick up AutoTrak BHA.

0050 Plug into tool.

0150 Unplug from tool.

0200 Tool below rotary. **Begin Run 8.**

0205 Trip in hole.

0300 Shallow test. Good.

0320 Surface test downlink. Successful.

0340 Continue to trip in hole.

1045 Service the topdrive at the 9 5/8 inch casing shoe.

1120 Continue trip in the hole.

1125 Set depth at 14767 feet. Fill up hole.

1140 Ream in hole.

1145 The drillstring is torquing up. Cut back pumps.

1150 Cycle pumps. Ream in hole.

1156 The drillstring is torquing up. Cut back pumps.

1200 Cycle pumps at 14825 feet. Ream in hole.

1304 Ream down to bottom.

1322 On bottom, drilling.

1346 Pump sweep at 14884 feet MD.

1350 Decoding is poor.

1405 Downlink to hold mode at 14886 feet.

1521 Downlink BF=19% at 14898 feet.

1603 Downlink TI=44.5° at 14912 feet.

1646 Downlink BF=32% at 14929 feet.

1815 Take slow pump rates at 14950 feet.

1925 Downlink WF=12%.

1935 Pump sweep at 14968 feet.

2057 Off bottom at 14984 feet.

2101 Restart bit.

2130 Downlink TI=46.26°, BF=41.93%.

2135 Surface Resistivity check; Rm = 0.95 @ 80°F Rmc = 0.36 @ 223° F.

2352 Off bottom at 15013 feet MD for flow check (-).

21 June 2008

0000 Midnight depth is 15013 feet. Continue drilling.

0001 Downlink BF = 61%.

0010 Cycle pumps.

0034 Circulating off bottom at 412 gpm.

0103 On bottom drilling ahead.

0215 Off bottom at 15043 feet MD. Circulate out gas.

0224 On bottom drilling ahead.

0302 Downlink WF = -3.22%

0310 Off bottom at 15059 feet MD. Circulate out gas.

0340 Raise MW in to 15.6 ppg at 15059 feet MD (13275 feet TVD).

0400 One pump down.

0418 On bottom drilling ahead.

0445 Cut mud weight back to 15.4 ppg at 15070 feet MD.

0458 Off bottom at 15072 to swap pumps.

0505 On bottom drilling ahead.

0612 Off bottom, one pump down.

0626 On bottom, drilling ahead.

0838 Off bottom at 15135 feet.

0850 On bottom, drilling ahead.

0945 Downlink WF = 0%,

1008 Flow check (-) at 15174 feet.

1159 1150 units of gas at 15218 feet MD.

1210 1350 units of gas. 15.0 ppg mud cut.

1217 Off bottom at 15226 feet.

1224 On bottom, drilling ahead.

1245 Downlink to ribs off.

1300 Pump sweep.

1341 Downlink WF=-3% TI = 46.6°.

1530 Downlink ribs off.

1645 Pump sweep.

1655 Drillstring momentarily stuck while making connection. Screw in and circulate. Jars went off.

1733 Stop circulating.

1820 Downlink to hold mode.

1840 Off bottom at 15346 feet, pickup and restart bit.

2000 Raise mid weight to 15.6 ppg at 15350 feet MD (12218 feet TVD).

2015 Downlink BF = 35.48%, WF = -6.45%.

2037 Downlink Ribs off.

2151 Downlink TI = 46.26°.

2332 Downlink WF=12.9%.

22 June 2008

0000 Depth is 15474 feet. Continue drilling.

0020 Pump sweep.

0058 Lost 400 psi of pump pressure at 15474 feet MD.

0104 Cycle pumps. Circulate.

0132 On bottom drilling.

0156 Take slow pump rates.

0351 Downlink WF = -16.12%

0534 Off bottom at 15578 feet. Losing returns. Approximately 200 barrels of mud were lost.

0630 Spot LCM pill and work pipe.

0745 Trip two stands and downlink to ribs off.

0815 Continue trip to the shoe.

0845 Hole getting sticky at approximately 15330 feet.

0900 Drillstring is stuck.

0918 Jarring on stuck pipe.

1730 Break circulation.

1800 Pump pill for stuck pipe.

2110 Begin jarring on stuck pipe.

23 June 2008

0630 Rig up to run wireline for freepoint.

1030 Running wireline freepoint.

1200 Wireline tool failed at 15212 feet.

1215 Pull out of the hole to change wireline tools.

1500 Rig down wireline.

1530 Begin jarring on the drill string.

2225 Circulate and jars on the stuck pipe.

24 June 2008

0000 Depth is 15578 feet MD. Continue jarring on the stuck pipe.

0220 Run wireline and attempt to back off pipe at 15204 feet and failed.

0600 Second time running wireline and attempt to back off pipe and failed.

0830 Run #3 and back off pipe at 15110 feet successfully.

1100 POOH from 15110 to 14630 feet.

1130 Circulate and condition mud inside casing.

1600 Work on top drive.

1630 Cut and slip drill line.

1745 Begin POOH.

25 June 2008

0000 Continue pulling out hole.

0030 Make up fishing assembly and run in hole.

0945 Start washing down from 14800 feet MD.

1040 Finish washing down to 15080 feet MD and circulate bottoms up.

1200 Screw in to the fish.

1215 Work and jar on fish.

26 June 2008

0000 Continue jarring on fish.

0800 Rig up wireline.

1000 Run in hole with wireline with string shot. Set off charges at 15106 feet MD.

1130 Attempt to make back off at 15106 feet MD but the pipe backed off higher.

1200 Screw back into fish with top drive and torque pipe.

1330 Run in hole with wirline severing tool.

1430 Shot with severing tool at 15100 feet MD.

1530 Jarring on fish.

1830 Rig up wireline and run severing tool in hole. Set off charges at 15100 feet MD.

2000 Work and jar on fish.

2100 Rig down wire line.

2130 Work and jar on fish.

27 June 2008

0000 Continue jarring on fish.

0215 Run free point wireline at 14970 feet MD.

0430 Circulate.

0630 Run free point and string shot.

0900 Run severing tool. Tool failed. POOH.

1130 Circulate.

1300 Work pipe.

1330 Rig up wireline and run free point.

1700 Back off at 14690 feet MD (inside casing).

1815 Circulate.

2010 POOH.

28 June 2008

0000 Continue POOH.

0500 Begin testing BOPs.

1000 Work on leak seal on top drive.

1900 Finish working on top drive.

1920 Resume testing BOPs.

1955 Finish testing BOPs.

2120 Makeup Wash pipe assembly and RIH.

29 June 2008

0000 Continue tripping wash pipe in hole.

1330 Begin washing down fish.

2000 Continue washing down fish.

2105 Wash pipe get stuck.

2110 Jar on stuck wash pipe.

30 June 2008

0000 Continue working on wash pipe.

Directional Survey Reports

Pore Pressure Plot

Eaton's Pressure Evaluation Techniques

The primary method used by Baker Hughes INTEQ for pore pressure evaluation is Ben Eaton's pore pressure equation. This method is based on the assumption that the resistivity of normally compacted shales will increase with depth due to greater compaction as depth increases. A trend line is drawn through the normally compacted or normally pressured shales (which were assumed to be 8.6 ppg). This trend line represents what the shale resistivities would be if they were all normally pressured. The trend line was established by choosing a best fit straight line through the resistivity values obtained in normally pressured shales and plotted on a semilog graph. If the resistivity values in shales decrease below the normal trend it indicates that the shale is becoming undercompacted and most likely overpressured. Eaton's equation for determining pore pressure based on the shale resistivities is defined as:

$$P = S - (S - Pn)\left(\frac{Ro}{Rn}\right)^{1.2}$$

Where:

P = Pore Pressure

S = Variable Overburden For This Depth

Pn = Normal Pore Pressure (8.6 ppg SEG)

Ro = Observed Resistivity Value In Shale

Rn = Normal Resistivity Value In Shale

July 08, 2008

Nuclear Regulatory Commission Region IV
612 E. Lamar Blvd, Suite 400
Arlington, Texas 76011-4125
Attn.: Ms. Vivian Campbell

Re: NRC License No. 17-27437-01 (Docket No. 030-32818) Source Abandonment Report

(1) Date Occurrence: Tool stuck in hole on May 22, 2008 at approximately 17:30 hours.

(2) Irretrievable Source Descriptions:

5 Ci (185 GBq) Americium-241/Be -	Serial Number: SS 41795B (QSA Global / AMN.CY3)
2.5 Ci (92.5 GBq) Cesium-137 -	Serial Number: ZDLS 1893 (QSA Global / CDC.CY4)

(3) Surface Location & Well Identification:

Operator -	Apache Corporation
Rig -	Ensco 90
Well -	OCS-G 02600 C028 ST00BP00
Field -	South Marsh Island Block 281
Rig Surface Location -	N 29° 05' 08.739" and W 91° 52' 24.945"
General Area -	Federal Waters, Offshore Louisiana

(4) Results of Efforts Immobilize: Pumped concrete to immobilize and seal hole.

The customer pumped 304 sacks of class H cement in and around MWD tools to immobilize sources in hole and act as a cement plug to sidetrack from at a depth of 14,735 feet MD (13,043 feet TVD). The top of fish located at 14,904 feet MD (13,161 feet TVD) was drillpipe consisting of steel.

(5) Recovery Efforts: Please reference the attached daily log.
(6) Depth of Source(s):

Americium-241/Be -	17,148 feet Measured Depth (14,728 ft. TVD)
Cesium-137 -	17,159 feet Measured Depth (14,735 ft. TVD)

(7) Top of bottom hole assembly (fish): 14,904 ft. MD (13,161 ft. TVD)

(8) Top of Cement Plug: Approximately 14,735 feet Measured Depth (13,043 ft. TVD)

(9) Depth of Well: 17,300 feet Measured Depth (14,834 ft TVD)

(10) Other Information: N/A

(11) Agencies Notified: Minerals Management Service

Thank you for your attention to this matter,

John A. Yunker
Radiation Protection Officer