



**EXPLORATION  
LOGGING  
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GEOLOGICAL-ENGINEERING REPORT No.10

7th Nov - 15th Nov 1985

Tilana No.1 / AMOCO AUSTRALIA

10618' (P.B.)

EXLOG UNIT 216 / DIAMOND M "EPOCH"

3236.3m (P.B.)

Report by : D. New

OPERATION SUMMARY

Finish RIH with test tools on drill pipe. Set packer at 3139.7m (10,301'), rig up and test surface equipment. Open LPR-N valve and run in with gauge rings but could not get below 3038m (9967'), with 1.687" gauge rings. Rig down surface equipment and POOH with test string. 1.5m (5') of compacted pipe scale was found at the bottom of the 6.5" drill collars and from the top of the LPR valve.

Redress Haliburton test tools and run in hole with test string but could not get packers through BOP's. Change out packers and run in hole but could not get a pressure test on the test tools, POOH and find leak in Full-Flo safety valve change out O-ring but still could not get a successful pressure test. Test RTTS successfully, run in with 6.5" drill collars and slip joint and find leak in #2 slip joint which was changed out. Run in hole with test string and set packer at 3139.7m (10,301'), rig up and pressure test surface lines. Open LPR-N tester and run in with Otis 2.125" gauge ring but could not get below LPR-N tester, POOH with 2.125" gauge ring and run in with 2.0" gauge ring which had to be jarred down from the LPR-N tester until out of the tail pipe. POOH with Otis gauge ring and run in with perforating guns. Could not get a correlation between wireline depths and drill pipe depths, POOH with perforating gun and run in with CCL-GR for correlation but GR tool failed. POOH and repair GR tool, run in hole and get correlation. Run in with perforating gun and, after waiting on daylight, perforate the interval 3179m - 3185m (10,429 - 10449.3') at 4 shots/ft with 0 deg phasing. However when perforated the annulus pressure flashed from 1420psi to 1800-1900psi and then fell to 0psi and the fluid in the annulus dropped by the volume of the empty drill pipe. POOH with Schlumberger and find that the CCL tool, perforating gun, 4 sinker bars and some wireline had been left in the hole. Unseat RTTS packer reverse circulate drillstring contents, rig down surface equipment and POOH with test string. It was found that the APR-M2 was plugged with debris and had sheared the wireline.

Make up Haliburton test tools and run in for DST No.2. Set packer at 3137.4m (10,294') and open well with no flow. Run in with Otis CCL and found LPR-N valve still closed. All attempts to open this failed and after reverse circulating the seawater cushion the test string was pulled.