

SAGASCO RESOURCES LTD.

FLINDERS-1

COMMENTWell Geophone Survey

A static rig source check shot survey was conducted in the above well on 18th December, 1993 using a Bolt 1500C airgun source positioned 47m from the well head. The airgun was suspended 5m below MSL with a MP8D hydrophone placed 3.5m below MSL to monitor the airgun signature.

A total of 103 levels were recorded between 2705.0m and 350.0m below DF. In order to monitor the consistency of the depth measuring device, and to check for any cable stretch, shots were taken as the tool descended the borehole at 1000.0m, 2000.0m and 2500.0m. The tool was then lowered to 2705.0m and data was recorded at selected depths as the tool ascended the borehole.

The first arrival times for the repeated levels showed a small time discrepancy of 2ms or less which confirms there were no depth errors during the course of the survey. The recorded well geophone data was generally of reasonable quality with well defined first arrival break, allowing the preliminary times to be obtained by timing from the first break on the gun hydrophone signal to the first break of the well geophone signal.

The 97 check levels within the depth of the velocity log were used for the log calibration, while 2 levels were used in calculating the velocity model above the sonic log.

For the calculation of reliable interval velocities check levels here been combined at an average of not less than 100.0m vertical depth intervals. Similarly only those levels used in the calculation of the interval velocities have been included in the sectional display.

Log Calibration

The sonic logs are generally well recorded.

The calibration curve is generally well controlled by the check level data. The shifts have been chosen according to changes in formation.

Processed by:  
ALI ALMURTADHA

Supervised by:  
PETER HEKMEIJER

FEBRUARY 1993.