



## DETAILED DISCUSSION BY INTERVALS

### KING #1

The IDF engineer arrived on the OCEAN EPOCH on the morning of the 30 October, 1992, having spent 2 days in Devonport waiting on weather. Prior to his arrival on the rig, 103m<sup>3</sup> of 40 lb/bbl Bentonite spud mud was mixed in the reserve pits.

At 3 p.m. on Friday 30 October, 1992, SAGASCO Resources' Well KING #1 was spudded.

#### 36" HOLE SECTION

The 36" hole interval was drilled using a 26" bit combined with a 36" hole opener. The interval was drilled without problems to 133m using seawater and high viscosity Bentonite sweeps as required. At 133m the hole was swept with a 16m<sup>3</sup> high viscosity sweep prior to making a wiper trip. No problems were encountered on the wiper trip and the hole was displaced with 50m<sup>3</sup> of Bentonite fluid before pulling out to run 30" casing. The casing was run in without incident and cemented with the shoe at 127.5m.

#### 17 1/2" HOLE SECTION

The mud programme for this section called for IDF SM(X) high viscosity sweeps. However, as no chemicals or testing equipment had arrived from the stockpoint at Bell Bay, it was decided to drill ahead with seawater and Bentonite high viscosity sweeps. To this end 160m<sup>3</sup> of 30 lb/bbl Bentonite fluid was mixed. Prior to pumping sweeps, the Bentonite was flocculated with lime. The 17 1/2" hole was drilled to a casing depth of 405m without problems, again high viscosity sweeps were pumped as required. At casing depth the hole was swept with 16m<sup>3</sup> of high viscosity fluid before making a trip to the shoe.

Operations were then suspended until 13 3/8" casing could be unloaded from the supply vessel which was held up due to rough seas. When the casing was unloaded the bit was run back to bottom and the hole displaced with 127m<sup>3</sup> of high viscosity Bentonite fluid. The 13 3/8" casing was then run and cemented without problems with the shoe at 394.4m.