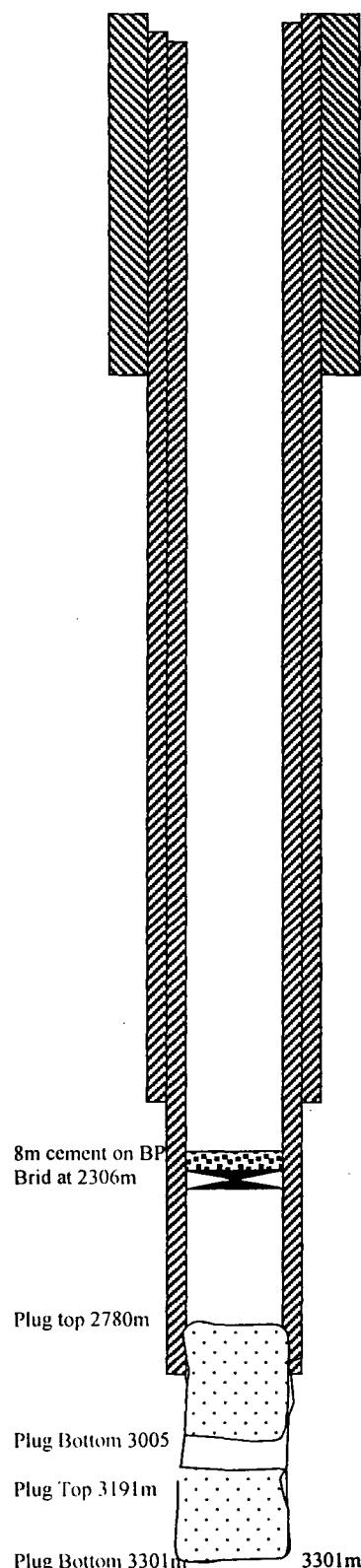


Well Schematic
Paramount Berkley Arrowhead O15
As Drilled March 06, 1999



Surface Hole: (surface – 500)

Hole Size: 444 mm
Surveys: $\frac{1}{4}$ @ 463
Mud Type: Air to 442, gel/chem to 500

Casing: 339.7 mm, 81.1 kg/m, K55
Landed at 499.9 m KB

Cement: Lead: 31 T 0:1:0 Class "G" + 1% CaCl_2
Tail: 27 T Expandomix + 2% CaCl_2
8 m³ returns

Intermediate Hole: (500 – 1455 m)

Hole Size: 311 mm
Surveys: This section originally kicked out to 15° so was plugged back and re-drilled
To keep vertical

First Leg:
(partial
plug back)

500 – 1560 m KB
Drilled with foam and air hammer to 867 m, well watered out. Drill with
Cutter D to 1560 m MD.
Problems: Totco surveys indicated 7°, directional survey read 15°,
Decision was made to plug back and redrill
Plug #1: 1195 – 1350 m w/ 16 T 0:1:0 High Density G + 1% CFR + 1% LTR

Casing: 244.5 mm, 64.74 kg/m, L80 landed at 1196 m

Cement: Lead: 21 T LW14 + 2% CaCl_2 + 2% LWA + 2% SMS
Tail: 29 T 0:1:0 G + 0.4% CFL3 + 1% CFLH + 2% SPC 2
5 m³ returns

Hole Size: 216 mm
Mud Type: Invert

1196m

)

2nd Intermediate Re-Entry (spud January 19, 1999)

2nd Intermediate hole :drill 216 mm 1196 m to 2805 m KB

Casing: 177.8 mm, 38.69 kg/m IL-80 - 0 - 2681 m KB
Cement: 24.6 Tonnes 1:1:2 G fill plus 17 Tonnes Thermal 40 tail