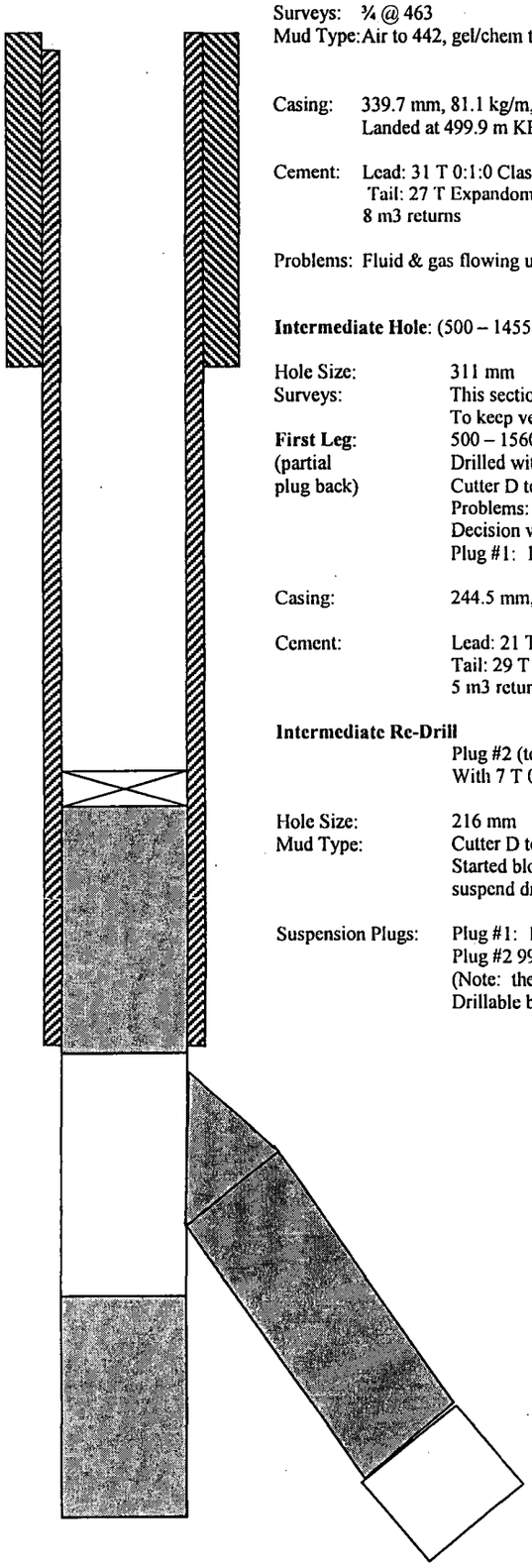
Well Schematic/As Is / April, 1998
Paramount Berkley Arrowhead O15

Well Name:	Paramount Berkley Arrowhead O15	**Surface Coordinates:**	
Latitude:	60 ° 24' 53,694"	**Downhole Coordinates:**	
Longitude:	123 ° 02' 31.174"	**AFE NO.:**	13577
Vertical Test Total Depth:	1930m	**Plug Back Depth:**	903 m
Well Type:	Exploration	**D&C Cost Estimate:**	
Primary Target:	Nahanni	**D&A Cost Estimate:**	
Tight Hole Status:	YES	**Date:**	April 28, 1998

All depths are in mKB unless otherwise specified



Surface Hole: (surface – 500)
Hole Size: 444 mm
Surveys: ¼ @ 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

Problems: Fluid & gas flowing up around conductor, had to mud up

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% CaCl2 + 2% LWA + 2% SMS Tail: 29 T 0:1:0 G + 0.4% CFL3 + 1% CFLH + 2% SPC 2 5 m3 returns

Intermediate Re-Drill
Plug #2 (to top up plug #1 that did not set properly (1100 – 1250 m)
With 7 T 0:1:0 high density G + 1% CFR + 0.6% LTR

Hole Size:	216 mm
Mud Type:	Cutter D to 1455 m (to get away from old wellbore Started blowing well dry to drill with air (road bans were put on and had to suspend drilling)
Suspension Plugs:	Plug #1: 1255 – 1455 m with 4 T thermal Plug #2 996 – 1196 m with 3.5 T thermal (Note: thermal blend was used because it was already mixed and in the area) Drillable bridge plug set at 903 m