

Casing and Cementing Report

Well Name	ANADARKO ARROWHEAD RIVER K-35	Well License Number	1991
Event	ORIG COMPLETION 2/25/2004	Well License Date	3/5/2003
Objectives	EXPLORATORY COMPLETION	Field	ARROWHEAD RIVER
Rig Name & No.	<no data> <no data>	Event Final TMD / TVD	2,812.00 m / 2,808.00 m
KB Elev.	546.20 m	Sidetrack KO Depth / PB Depth	0.00 m / 0.00 m
KB to GL	6.33 m	Deviation	V
		Event Final Well Plug Back Depth/PBTVD	2,812.00 m / 2,808.00 m

Component Information	Top	Equipment Diagram	Cementing Info
	0.00 m		0.00 m - 2,200.00 m - CLASS C - 31.4 m³
1 - TUBING HANGER - DOGNUT - 0.280 m	5.38 m		
1 - TUBING PUP JOINT - PUP JOINT 88.9 MM X 0.50 M - 0.500 m	5.66 m		
491 - LANDING COLLAR - - 0.630 m	5.95 m		
1 - TUBING JOINT(S) - TUBING JOINT 88.9 MM X 9.54 M - 9.540 m	6.16 m		
1 - CASING HANGER - - 0.410 m	6.58 m		
1 - PUP JOINT - - 1.300 m	6.99 m		
1 - PUP JOINT - - 5.090 m	8.29 m		
170 - CASING JOINT(S) - - 2,411.370 m	13.38 m		
2 - TUBING PUP JOINT - 2-PUP JOINTS 88.9 MM X 5.92 M - 5.920 m	15.70 m		
1 - TUBING JOINT(S) - TUBING JOINT 88.9 MM X 9.46 M - 9.460 m	21.62 m		
1 - TUBING PUP JOINT - PUP JOINT 88.9 MM X 1.75 M - 1.750 m	31.08 m		
JOINT(S) - 252-TBG JOINTS 88.9 MM (2389.42 - 3.25 M W/L CORR) - 2,386.170 m	32.83 m		
1 - CASING FLOAT COLLAR - - 0.370 m	637.48 m		
1 - CASING JOINT(S) - - 13.680 m	637.85 m		
1 - CASING FLOAT SHOE - - 0.470 m	651.53 m/652.00 m		
	2,200.00 m		2,200.00 m - 2,439.52 m - CLASS G - 3.6 m³
1 - ON-OFF TOOL - ON OFF TOOL - 0.150 m	2,419.00 m/2,419.15 m		
1 - PACKER - HALLIBURTON BWC PERMANENT PKR 69.85 MM BORE - 2.100 m	2,419.15 m		
1 - CROSSOVER - ADAPTOR - 0.200 m	2,421.25 m		
1 - TUBING JOINT(S) - PUP JOINT 60.3 MM HYDRIL 533CB - 2.140 m	2,421.45 m		
PROFILE NIPPLE - NIPPLE F PROFILE 60.3 MM W/ 46.02 MM PROFILE - 0.330 m	2,423.59 m		
NG JOINT(S) - TBG JOINT 60.3 MM HYDRIL 533CB TUB TOP 3 M PERF - 9.570 m	2,423.92 m		
1 - CASING FLOAT COLLAR - - 0.350 m	2,424.75 m		
1 - CASING JOINT(S) - - 13.990 m	2,425.10 m		
1 - RE-ENTRY GUIDE - WIRELINE RE-ENTRY GUIDE - 0.150 m	2,433.49 m/2,433.64 m		
1 - CASING FLOAT SHOE - - 0.430 m	2,439.09 m/2,439.52 m		