

# COMPOSITE WELL LOG WOODSIDE SOUTH No. 1

SHEET 2 OF 2

2500-5816'

Woodside South-1

W490.



BIT TYPE and REMARKS	PENETRATION RATE Min / ft	DEVIATION	CASING and PLUGS CORES and RECOVERY	DRILL STEM TESTS	MUD GAS DETECTION	DEPTH Feet	LITHOLOGY % of cuttings	SPONTANEOUS POTENTIAL Millivolts	RESISTIVITY Ohms - m / m		MICROCALIPER Hole Diameter in inches	MICROLOG Ohms - m <sup>2</sup> / m		LITHOLOGIC DESCRIPTION	STRATIGRAPHIC COLUMN
									0 AM - 16"	AD - 18" B"		Micro Inverse ("x1")	Micro Normal 2"		
RR Reed YTIAJ 8 3/4"						2600								2462 - 2850' SANDSTONE and GRAVEL Clean and dull quartz, unconsolidated, very fine - very coarse, shaly, occasionally consolidated in a tough clay matrix. Trace of interbedded shale, light grey, silty, calcareous and marly, with occasional thin interbeds of coal.	LATROBE VALLEY COAL MEASURES LOWER OLILOCENE - UPPER EOCENE
HTC SF 7 7/8"						2700									
RR Reed YTIAJ 8 3/4"						2800									
RR Reed YTIAJ 8 3/4"						2900									
YTL Reed CHES 6 7/8" Dana						3000								2950 - 3005' GRAVELLY SANDSTONE As above, part pyritic, part consolidated in dol-kalinalic matrix.	
RR Reed OSC-3 8 3/4"						3100								3005 - 3100' BASALT Bluish-grey, highly altered, very fine kaolinitic feldspar, partly decomposed ferro-magnesian, massive, interbedded with micaceous (zeolite decomposition), chloritic, pyritic, occasionally fresh, massive, with fractures of 45° to core axis.	
HTC OSC-3 8 3/4"						3200								310 - 3253' BASALT As above, part wholly kaolinitic to give massive clay interbedded with orange brown volcanic clay soils with included sand grains.	
HTC SF 7 7/8"						3300								3253 - 3375' MUDSTONE Green-grey, massive, part highly kaolinitic, silty, part slightly calcareous, part well developed carbonaceous plant remains, interbedded with minor siltstone, light grey, very fine arenaceous, grading to sandstone green-grey, very fine, feldspathic and kaolinitic.	
RR Reed OSC-3 8 3/4"						3400									
HTC SF 7 7/8"						3500								3375 - 3625' SANDSTONE Grey-green, very fine to fine grained, part medium grained poorly sorted, sub-angular quartz, kaolinitic feldspar, carbonaceous fragments, rock fragments (igneous and sedimentary) in a calcareous argillaceous matrix. In part highly kaolinitic and associated with interbedded mudstone and siltstone as above.	
HTC OSC-3 8 3/4"						3600									
RR HTC OSC-3 8 3/4"						3700								3625 - 3675' SILTSTONE Light grey, very fine-grained arenaceous, with occasional included carbonaceous and rock fragments, massive, argillaceous, grading to mudstone and shale.	
HTC SF 7 7/8"						3800								3675 - 3800' SANDSTONE Green-grey, fine to medium, occasionally very fine, poorly sorted, sub-angular quartz, rock fragments (volcanic and sedimentary) and kaolinitic feldspar in a sparse calcareous, argillaceous part kaolinitic matrix, occasional included mica flakes, coal fragments and occasional carbonaceous streaks.	
Hughes OSC-3 8 3/4"						3900								3800 - 3880' SHALE Light grey, dark grey, massive, silty, micaceous, partly carbonaceous, grading to minor siltstone, highly micaceous, quartzite and very finely arenaceous.	
HTC SF 7 7/8"						4000								388 - 3953' SILTSTONE As above, grading to sandstone with minor shale as above.	
HTC SF 7 7/8"						4100								3953 - 3970' CLAY Grey, massive, shaly.	
RR Reed YTIAJ 8 3/4"						4200								3970 - 4070' SANDSTONE As above, part shaly, with small patches of coal and calcite infilled fractures and veins.	
HTC SF 7 7/8"						4300								4070 - 4170' SHALE As above, with occasional coal streaks, grades to mudstone.	
Hughes OSC-3 8 3/4"						4400								4170 - 4220' SANDSTONE As above, part friable.	
HTC SF 7 7/8"						4500								4220 - 4270' SANDSTONE As above, silty and shaly.	
RR Reed YTIAJ 8 3/4"						4600								4270 - 4365' SHALE Light grey as above, with occasional high angle fractures. Minor siltstone as above.	
HTC SF 7 7/8"						4700								4365 - 4490' SANDSTONE As above, part calcareous.	
RR Reed YTIAJ 8 3/4"						4800								4490 - 4520' SHALE As above with clay.	
HTC SF 7 7/8"						4900								4520 - 4580' SANDSTONE As above with orange part kaolinitic feldspars, occasional irregular fractures infilled with calcite. Contains coaly streaks.	
RR Reed YTIAJ 8 3/4"						5000								4580 - 4625' SHALE As above.	
HTC SF 7 7/8"						5100								4625 - 4855' SANDSTONE As above, part shaly with occasional bands of included shale fragments.	
RR Reed YTIAJ 8 3/4"						5200								4855 - 4923' SHALE Light grey, sub-fossil, sandy with minor siltstone and sandstone as above.	
HTC SF 7 7/8"						5300								4923 - 4955' SANDSTONE, as above, shaly.	
RR Reed YTIAJ 8 3/4"						5400								4955 - 5180' SHALE Grey, with occasional interbeds and stringers of siltstone. Light brown grey grading to very fine sandstone with occasional high angle fracture cleavage and cross bedding (core No 21).	
HTC SF 7 7/8"						5500								5180 - 5300' SANDSTONE As above, less shaly.	
RR Reed YTIAJ 8 3/4"						5600								5300 - 5335' CLAY Grey-brown, massive, structureless, with shale as above.	
HTC SF 7 7/8"						5700								5335 - 5680' SANDSTONE With occasional argillaceous partings and fracture infillings. Shaly.	
RR Reed YTIAJ 8 3/4"						5800								5680 - 5745' SHALE Grey, sub-fossil, occasionally calcareous, also as above with siltstone.	
HTC SF 7 7/8"						5900								5745 - 5816' SANDSTONE Grey, as above with occasional calcite venters.	

LATROBE VALLEY COAL MEASURES  
LOWER OLILOCENE - UPPER EOCENE  
CRETACEOUS  
LOWER  
JURASSIC  
UPPER