

CORED DRILL HOLE LOG

HOLE NO : 324

FILE / JOB NO : J221

SHEET : 1 OF

PROJECT : ASTRA PROJECT

LOCATION : CUT BETWEEN SOMEWHERE AND SOME PLACE

POSITION : E: 473998.978, N: 6499916.818 (56 MGA94) SURFACE ELEVATION : 37.687 (AHD66) ANGLE FROM HORIZONTAL : 90°

RIG TYPE : Edson MOUNTING : Truck CONTRACTOR : Datgel DRILLER : A SMITH

DATE STARTED : 29/7/06 DATE COMPLETED : 30/7/06 DATE LOGGED : 30/7/06 LOGGED BY : AAA CHECKED BY :

CASING DIAMETER : HQ BARREL (Length) : 3.00 m BIT : IMPREG BIT CONDITION : GOOD

DRILLING		MATERIAL				FRACTURES	
PROGRESS	LOSS	DEPTH (m)	DESCRIPTION	WEATHERING	ESTIMATED STRENGTH Is(50)	NATURAL FRACTURE (mm)	ADDITIONAL DATA
DRILLING & CASING	WATER	GRAPHIC LOG	ROCK TYPE : Colour, Grain size, Structure (texture, fabric, mineral composition, hardness alteration, cementation, etc as applicable) START CORING AT 0.00m	Weathering	● Axial ○ Diametral	20 40 100 300 1000	(joints, partings, seams, zones, etc) Description, orientation, infilling or coating, shape, roughness, thickness, other
HQ Casing	44% LOSS	0.0	CORE LOSS 0.53m (0.00-0.53) (FILL)		EL _{-0.03} V _{-0.1} L _{-0.3} M ₋₁ H ₋₃ VH ₋₁₀ EH		0.00: Several possible locations for core loss within drill run 0-1.2m.
HQ Casing	0% LOSS	0.53m	GRAVEL AND CLAYEY SAND (GW): Coarse to fine gravel. Some quartz. Coarse to fine sand.				0.53: POSSIBLE FILL
5-10% Polymer LOSS (NO CASING)		0.73m	SANDY CLAY (CL): Dark brown, low plasticity. with silt. Trace of gravel.	MW			0.73: RESIDUAL
5-10% Polymer LOSS (CASING AT 0.9m)		0.85m	SANDSTONE: grey and yellow brown, coarse to fine grained, Bands of colour. Variable weathering, possibly disturbed materials	EW			0.85: BEDROCK
10% Polymer LOSS (CASING AT 2.4m)		1.12m	SANDSTONE LITHIC: pale grey with orange brown, coarse with medium grained, and fine grains. Pockets, blotches and bands of colour. Possibly Tuffaceous.	MW			DL Run HQ casing from 0 to 0.9m. JT 90° - 75° Clay DIS 1 mm JT 15° Fe IR RF DB JT 50° - 65° MS DB, DIS, IR, S/RF JT 45° MS PR S/RF, DB JT 25° Clay PR 3-4mm 45° Fe PR RF DB, JTs 45 - 50° PR 15-20mm clay between 2 JTs SM 30° Clay JT 40° Clay PR 2-4mm Few vertical and sub-vertical JTs. Clay infilled 1-7mm (core disturbed, stock in splits) JT 5 - 12° DL, Partial clay 2-3mm JT 35° Clay PR 1-2mm 45 - 35° Clay PR 2 JTs, 2-4mm
10% Polymer LOSS (CASING AT 2.4m)		2.27		MW			DL advance HQ casing from 0.9 to 2.4m JT 45° Clay PR 2 mm JT 40° Clay PR 1 mm 45° Clay PR 1 mm 2 JTs JT 70° Clay PR 1 mm sealed JT 70° Fe PR HB, MS JT 45° Clay PR 2-8mm JT 55° Clay DIS 35-10mm JT 45° Clay 1 mm sealed, IR JT 25° Clay IR 2-3mm JT 50° Clay PR 3-4mm
10% Polymer LOSS (CASING AT 2.4m)		2.44					JT 5 - 10° Clay IR 2-3mm JT 70° Clay DIS 1-3mm JT 70° Clay IR 1 mm JT 15° Clay 1 mm SM EW, 10-25mm 40° Clay PR 1 mm BPs
10% Polymer LOSS (CASING AT 2.4m)		3.90					70 - 80° Clay DIS 1 mm 2JTs
10% Polymer LOSS (CASING AT 2.4m)		5.47					JT 35° Clay PR 1-2mm JT 40° Clay PR 1-2mm JT 45° Clay PR 6-8mm BP 35° Clay PR 2 mm JT 10° Clay IR 1 mm JT 70° Clay IR 1-3mm 35 - 45° CN DB, HBs, BPs DL
0% LOSS		5.50m	SILTSTONE: dark grey, Bedding at 40-45°. Several closed fractures; majority Fe stained at 0-70°.	SW			JT 70° Clay DIS 1-2mm
0% LOSS		6.15m	CARBONACEOUS SILTSTONE: black	EW MW			BP 45° Clay PR 3-4mm JT 65° PR 2 mm clayey, Fe
0% LOSS		6.30m	SILTSTONE: dark grey to grey, Slightly carbonaceous; few closed fractures.				
0% LOSS		6.62	SILTSTONE: grey, Bedding at 40-45°. Several closed fractures, majority Fe stained, at 10-70°.	EW SW			
0% LOSS		6.94m	SILTSTONE AND SILTY SANDSTONE INTERBEDDED: grey to pale grey, Fine grained sand. Bedding at 30-35°. Some closed fractures, majority Fe stained, at 0-90°. Occasional orange brown pockets and bands. Bedding disturbed in places.				BP 35° PR 1 mm Fe, clayey BP 35° Fe PR RF DB JT 50° 1 mm clayey, Fe BP 35° Fe PR RF DB JT 35° PR 1 mm Fe, partial clay
0% LOSS		7.66m	SILTY SANDSTONE: grey to pale grey, fine grained, Bedding at 35-45°. Some closed fractures, majority Fe stained, at all angles and some patches with several closed fractures.				JT 35° Fe PR RF DB JT 30° Clay PR 2-3mm
0% LOSS		8.00m					

See Explanatory Notes for details of abbreviations & basis of descriptions.