

## DIAMOND DRILL LOG

Company: SHAKWAK EXPLORATION CO. LTD. Hole No: 86-20  
 Drilling Co: KLUANE DRILLING Project: Vesuvius Hill  
 Started: 1 November 1986 Code: 312  
 Completed: 2 November 1986 Location: NTS 105-D-6  
 Grid Co-ordinates: 378.08N/1278.73E  
 Elevation: 1550.98 m Dip: Vertical  
 Azimuth: \_\_\_\_\_ Horizontal Advance: \_\_\_\_\_  
 Depth: 60.96 m Vertical Depth: 60.96 m  
 Core size: NO Acid Test: 88°75' @ 60.96 m  
 Logged by: RR/CC

PRINCIPAL UNIT	SUB-UNIT	DESCRIPTION/NOTES
0 - 9.75		OVERBURDEN: cased to 9.75 m, casing removed.
9.75 - 19.14		WEATHERED BRECCIA: strong clay alteration and oxidation, cream, yellow, orange colours. Clasts often siliceous, rounded, to 1.5 cm diameter. Occasional clasts with abundant pyrite (up to 5%). Core very badly broken.
	9.80-10.54	Siliceous Breccia: strongly oxidized. Small rounded siliceous clasts. Matrix-rich. Minor grey quartz veining. Trace pyrite.
	10.98-11.28	LOST
	11.28-11.90	Siliceous Breccia: rubbly broken core, clay-rich portions probably lost. Breccia fragments have siliceous clasts in darker grey siliceous matrix (matrix-poor).
	11.90-12.80	LOST
	12.80-13.52	Clay Breccia: broken and oxidized. Small siliceous clasts in clay matrix (matrix-rich). Occasional larger clasts to 3 cm. Trace pyrite.
	13.52-15.55	LOST
	15.55-15.98	Andesite: broken core, oxidized, low recovery. Weak to moderate porphyritic texture; subhedral plagioclase phenocrysts to 1.5 mm. Weak propylitic alteration with minor pyrite. Minor quartz and clay fracture fillings.
	15.98-17.37	LOST
	17.37-17.86	Clay Breccia: altered, oxidized, low recovery. Larger core fragments generally siliceous breccia with quartz-rich clasts.

PRINCIPAL UNIT	SUB-UNIT	DESCRIPTION/NOTES
		in clay matrix; trace pyrite:
	17.86-18.90	LOST
	18.90-19.14	Clay Breccia: as 17.37-17.86. Pyrite more abundant (to 5%).
19.14 - 60.96		ANDESITE: grey or grey-green colour, moderately porphyritic.
		Plagioclase phenocrysts 1-2 mm. Weak propylitic alteration
		throughout; stronger around zones of veining and silicifica-
		tion (particularly 36.70-54.34).
	20.62-20.74	Quartz-Pyrite Vein or Clast: 20% pyrite.
	21.34-21.64	LOST
	21.64-21.77	Fracture Zone: stronger clay alteration of andesite. White
		clay fills fractures. Fine disseminated pyrite to 5%.
	21.77-24.81	Andesite: moderate propylitic alteration. Pale grey-green
		colour. Clay alteration around fracture/vein zones: 15°,
		30°, 40°, 60° to C.A. Clay vein fillings. Occasional
		calcite vein filling - generally patchy, sometimes with
		quartz. Pyrite generally up to 1-2% in areas of fracturing.
	24.81-24.99	LOST
	26.75-26.85	Fracture and Vein Zone: 20° to C.A. White clay, calcite,
		fine veinlets of grey quartz, fine pyrite to 1%.
	27.13-27.20	Fracture and Vein Zone: 5-10° to C.A. Stronger alteration
		of andesite, abundant pyrite to 10%. White clay associated
		with pyrite.
	28.35-28.51	SAND
	28.88-28.96	Fracture/Vein Zone: 45-55° to C.A. White clay, silica,
		minor pyrite.
	30.55-30.67	Fracture/Vein Zone: 45° to C.A. Pale grey quartz with pyr-
		ite, patchy calcite.
	36.36-39.15	Brecciated Andesite: local brecciation, little movement.
		Slightly oxidized-looking andesite clasts in silicified
		andesite matrix. Extensive quartz-calcite veining, rarely
		over 0.5 cm wide, 30-60° to C.A., calcite often patchy.
		Some associated fine pyrite.
	39.67-39.77	Fracture/Vein Zone: 25° to C.A. Minor brecciation of ande-
		site, calcite-quartz filling.
	41.76-42.30	Fracture/Vein Zone: 30-50° to C.A. Quartz-calcite vein
		fillings - rarely exceed 1 cm width. Andesite locally
		silicified.
	43.50-43.90	Brecciated Andesite: little movement of clasts. Oxidized
		clasts and matrix (same composition). Some clasts and
		matrix silicified. Zone approx. 50° to C.A. Cross-cut by

END OF HOLE