DEPARTMENT OF MINES — TASMANIA

809 G 58

DIAMOND DRILL CORE RECORD

Hole No. M.H.P. Bore No. 3.

Drilled by W. Robinson.

Core Recovery

Geological Logging by— D.J. Groves.

Area of Operation Madam Howard Plains (Barytes).

Location of Site 30 chains W of 1½ mile peg on Zeola Rd

Date Commenced

Date Completed

Reduced Level of Site

Bearing of Hole 147° M

Dip of Hole 50'

Bore Depth 205'.

41 122

Ref No 2181

AMG Co-ordo: 378400E 5342900N.

DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS									
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To							
			4' 1½"	0	20'	Very weathered keratophyre with large phenocysts and poor cleavage.												
			47' 11½"	20'	80'	Pink to green very massive keratophyre with large phenocysts. Apparent compositional banding between 40' and 44' 7" with α = 42°. Dominant quartz-siderite veins occur ≈ α = 45-50° and α = 10°. Also strong fractures α = 15°-30° and α = 40-60°													
			15' 6"	80'	98' 9"	Pale pink to green-grey keratophyre with moderately large phenocysts. Slight increase in mineralization with several quartz-siderite veins (α = 50-70°). Strong fracturing at α = 40° in otherwise rather massive rock.													
			9' 10½"	98' 9"	113'	Pale green-grey keratophyre with sparse medium phenocysts and marked increase in veination with quartz, siderite and fluorite.												
			11' 6"	113'	125' 6"	Completely mineralized section with massive quartz containing siderite, fluorite and barytes. At 124' 5" have 1' 1" of barytes and fairly abundant impurities.												

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DRILL RECORD				GEOLOGICAL LOG			GEOLOGICAL SECTION		ASSAY RESULTS			
Date	From	To	Core Recov.	From	To	Description	Core	Sample	Sample No.	From	To	
			10'8½"	125'6"	137'6"	Weaker mineralization of green-grey keratophyre by quartz, siderite and barytes. Veins up to ½" thick with α = 50° and one small quartz vein at 136' 10" is 4" wide.						
			21'6½"	137'6"	159'	Pale green-grey massive keratophyre with moderately large phenocrysts and little mineralization. Some quartz, siderite and pyrite veining.						
			5'4"	164'	170'	Pale green-grey keratophyre with numerous quartz, siderite and barite veins. At 167' have 7" vein of quartz, siderite, barytes and albite. At 167' 10" have impregnation of barytes and 2" vein of barytes. At 169' 8" have 4" vein of barytes with some impurities.						
			25'4"	170'	205'	Pale green-grey keratophyre with moderately large phenocrysts. Very sparcely mineralized with siderite, quartz, pyrite and a little barytes. Strong fracturing at α=10° with pyrite encrustations – also fracturing at α=70°. Some veins at α = 60-65°						