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DRILL HOLE RECORD

Location Que River **Property** Mining Lease 2M/75 **District** Tasmania, Australia. **Bearing (M)** 336°19' **Hole No** QR 73 D.

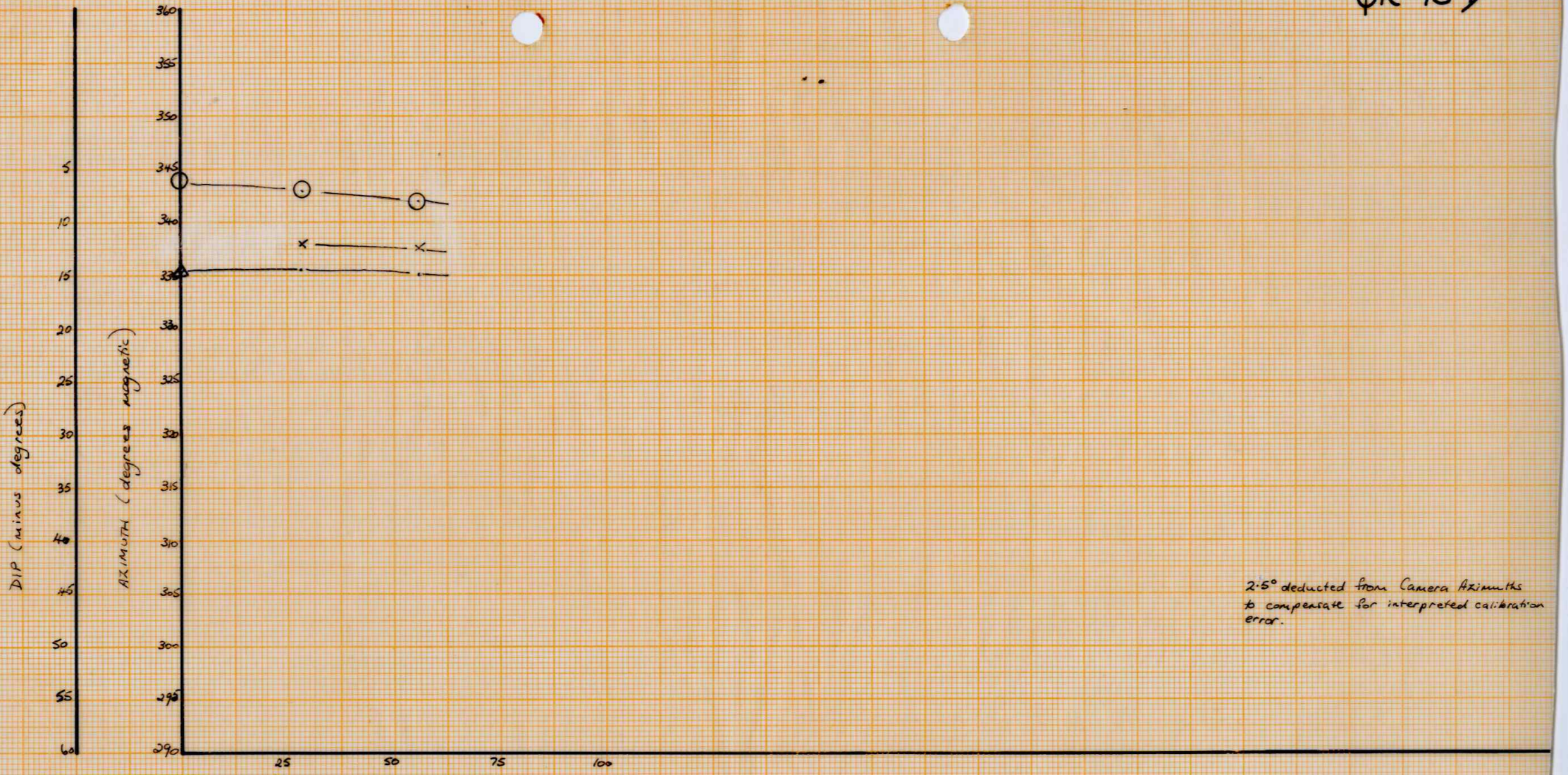
Commenced 25.11.1975 **Completed** 28.11.1975 **% Recovery** 92 **Grid bearing (M)** 8.75 **Date** 2.12.1975

Objective To investigate ground conditions ahead of the proposed exploration decline. **Core size** NQ to 62.5 m E.O.H. **Logged** C.H. YOUNG

Co-ordinates 7087.14N 5193.834E **Dip** -6°20' **Alt./R.L.** 689.33

SURVEY DATA				GRAPH DERIVED DATA			CALCULATED CO-ORDINATES			REMARKS
DEPTH	DIP	BEARING(M)	INSTRUMENT TYPE	DEPTH	DIP	BEARING(M)	(6)NORTHING	EASTING	ALTITUDE	
0	6°20'	337°41'	Theodolite(?)	0	-6.25	336.0	3277087.14	5193.83	689.3	Ground conditions summarized on Page 1 of the Diamond Drill Log.
29	7°	338°	Eastman	25	-7.0	336.0	3277108.03	5180.40	686.42	
56	8°	337.5°	Single Shot	50	-8.0	335.75	3276[illegible]128.84	5166.94	683.15	32.3 m Fault Contact DP to PyP_1.
			Camera.	62.5	-8.5	335.5	3265139.20	5160.18	681.36	47.0 - 47.7 m Minor base metal mineralization.
2.0 Degrees subtracted from camera reading as callibration correction.										

QR 737



2.5° deducted from Camera Azimuths to compensate for interpreted calibration error.

Eastman Single Shot Cam

○ DIP

X AZIMUTH

△ Theodolite pickup.

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DIAMOND DRILL LOG

Hole Nº QR73D Page Nº 1.

Feature : Bedding, Foliation, Fragment - size & shape; Shearing, Fault (F), Vein (c carbonate, q quartz)

Mineralization : Trace 1-5%; Common 5-15%; Abundant 15-60%; Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
0.4		DP Green weakly chloritised, carbonated and silicified andesitic lava-breccia.							Rare disseminated pyrite as euhedral crystals have been noted.
1.1		Dark green to grey coloured breccia fragments are irregular to sub-rounded up to 6 cm and are characteristically vesicular lava, amygdules to 1 cm are filled with carbonate or dark green chlorite-sericite, often leached to leave vesicular cavities.							Very rare aggregates of galena less than 0.5 mm have also been noted.
1.6									
1.4		Pale green aggregates of epidote to 3 mm appears to replace pyroxenes within both fragments and groundmass.							Ground contitions:
	5								0.0 - 4.5 m Fair, one fault, joints common.
0.8		Joints at 20°, 30° and 50° to core axis are orientented at between 10° and 100°. Joints are commonly coated with iron oxide and occasionally manganese.							4.5 - 6.7 m Broken ground four faults, joints common.
1.5									6.7 - 10.3 m Good ground, joints common.
1.6		There is no obvious foliation.							10.3 - 11.2 m Broken ground, one fault, joints very common.
		Leached cavities to 1 cm are common within the rock suggesting the presence of ground water.							11.7 - 13.5 m Good ground some joints.
0.6	10								13.5 - 15.9 m Fair, one fault, joints common.
1.1		11.2 m Shear 30° to core axis, iron oxide and asbestos.							15.9 - 17.2 m Good ground, joints common.
2.0									17.2 - 19.5 m Fair, one fault, joints common.
									19.5 - 20.2 m Good ground, joints common.
1.4	15								20.2 - 29.5 m Broken ground, four faults, very jointed.
									29.5 - 33.0 m Very broken ground, three faults, pug, sheared and broken core, joints common.
2.5		16.8 m Sub-rounded pink coloured fragments to 2 cm may be xenoliths of dacitic tuff-lava.							33.0 - 34.9 m Fair, one fault, shear controlled joints.
1.2									34.9 - 39.6 m Broken ground, six faults with pug, shear controlled joints.
0.4									39.6 - 41.0 m Good ground some chlorite lined joints.
1.2	20								41.0 - 42.9 m Broken ground, two faults, weakly sheared.
1.1									42.9 - 52.0 m Fair, six faults, weakly sheared.
1.3			BROKEN CORE						52.0 - 62.5 m Fair to good, three faults, weakly sheared.
1.0	25								

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Hole Nº QR73D Page Nº 2.

Feature : Bedding, Foliation, Fragment - size & shape; Shearing, Fault (F), Vein (c carbonate, q quartz)

Mineralization : Trace 1-5%; Common 5-15%; Abundant 15-60%; Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE / COMMON / ABUNDANT / MASSIVE	DEPTH m	MINERALIZATION
1.4		DP as above.				Disseminated sulphides as above.
1.1						
1.3						
0.7	30.0	Fault, Pug sheared and broken 70° CA.				
0.8	30.3					
0.4						
1.5	32.3	PyP1 Fault Contact, Pug sheared and broken core.	BROKEN CORE		32.3	Pyrite 5%-10%, locally 15% as disseminations aggregates and occasional veins of fine subhedral to euhedral crystals.
1.0		Grey carbonated, weakly sericitised coarse lithic tuff. Disrupted down to 33.6 m. Lithic fragments up to 3 cm in length appear to be stretched in the direction of shear at 40° to core axis. The fragments consist of pale green sericitised dacitic lava, aggregates of sericite appear to replace feldspar crystals.				
0.6	34.9					
	35	Fault, Pug sheared and broken 70° to CA.				
1.0	35.1					
1.0						
1.0		The matrix is grey fine grained and carbonate rich.				
0.6		The rock is weakly sheared at 40° to CA			38.8	10 cm vein pyrite 50%.
0.7	39.2					
1.5	40	Grey carbonated, sericitised lithic tuff agglomerate. Lithic fragments to 6 cm are irregular in outline, stretched in the direction of shear at 40° to CA, they appear to consist of dacitic tuff-lava and porphyritic lava with feldspar phenocrysts to 3 mm, often pink in colour due to albitisation.				
1.1						
	42.5				42.5	Pyrite 3%-5% as disseminations and aggregates, rare galena.
1.2		From 39.2 - 42.5 m fragments are occasionally dark green due to chlorite alteration.				
1.2					44.0	Pyrite 3%-5%, Gn 2% as disseminations and
	45	The matrix appears to be of similar composition and texture to the porphyritic lava fragments.			44.9	aggregates.
1.25						Pyrite 3%-5% as above.
					46.2	10 cm Py 20%, Gn 3% and Sph 1% as irregular veins
	47.0				47.0	and aggregates.
2.0		Grey sericitised coarse lithic tuff. Lithic fragments up to 3 cm are irregular to sub-rounded sericitised trachyte, DTL and porphyritic lava.			47.7	Pyrite 20%, galena 5% sphalerite 2% as disseminations and aggregates.
1.0	49.0					Pyrite 3%-5% as above.
1.5		Light grey-green locally chloritised feldspar crystal lava breccia?				
	50					

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Hole Nº QR73D Page Nº 3.

Feature : Bedding, Foliation, Fragment - size & shape; Shearing, Fault (F), Vein (c carbonate, q quartz)

Mineralization : Trace 1-5%, Common 5-15%, Abundant 15-60%, Massive >60%

CORE REC'D	DEPTH m	GEOLOGY	VISUAL LOG	TRACE	COMMON	ABUNDANT	MASSIVE	DEPTH m	MINERALIZATION
1.5		Fragment outlines are obscure, fragments up to 10 cm appear to be present. They are characteristically porphyritic with carbonate and albite aggregates to 4 mm replacing feldspar. Aggregates of pale green sericite to 2 mm are common.							Pyrite 3%-5% as above.
3.0		The matrix or groundmass is fine grained carbonate rich and of similar texture and composition to the fragments.							
3.05	55	Chlorite is common on fractures at 30° to core axis.							
2.2									
1.1	60								
0.5									
	62.5	E.O.H.							