



DRILL HOLE RECORD

Location QUE RIVER Property MINERAL LEASE 2m/75 District TASMANIA Bearing (M) 98° 37' Hole No QR99
 Commenced 1.9.76 Completed 10.9.76 % Recovery 97.9% Grid bearing (M) 8° 45' Date OCT 1976
 Objective TO TEST FOR ORG DEVELOPMENT AT 7820N. SHOE. 525 R.L. Core size NQ TO 126.40m. BQ TO 323m. E.O.H. Logged CH. YOUNG
 Co-ordinates 7819.69N - 5050.27E. Dip 57° 18' Alt./R.L. 689.5m.

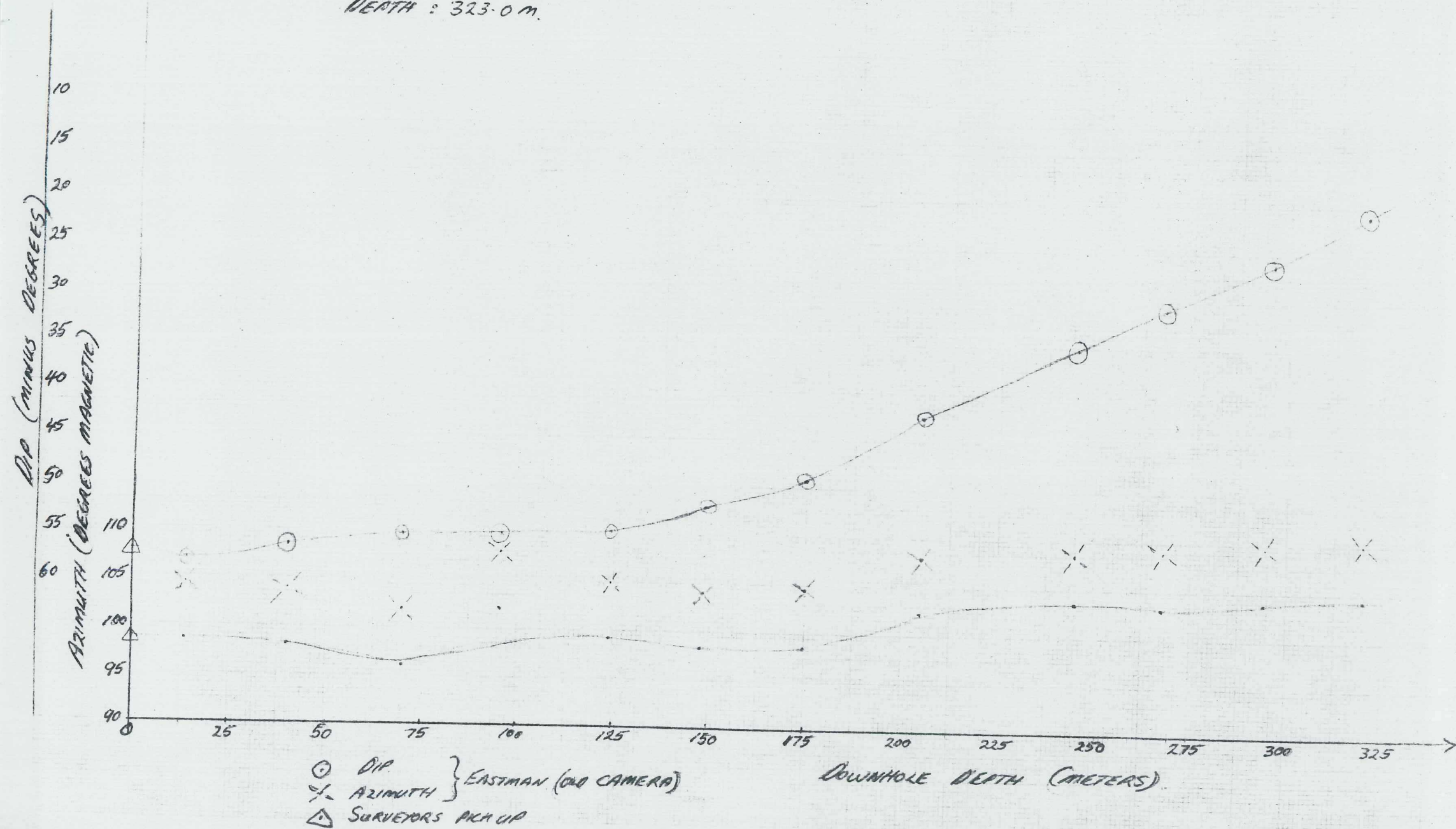
SURVEY DATA				GRAPH DERIVED DATA			CALCULATED CO-ORDINATES			REMARKS
DEPTH	DIP	BEARING(M)	INSTRUMENT TYPE	DEPTH	DIP	BEARING(M)	NORTHING	EASTING	ALTITUDE	
0	57°	097°	THEODOLITE AND BRUNTON	0	57.3	98.6	7819.69	5050.27	689.50	
0	57° 18'	98° 37'	SURVEYORS PICK-UP	10	57.8	98.5	7819.71	5055.64	681.07	
13	58	104.5	OLD EASTMAN	20	58.0	98.5	7819.73	5060.96	672.60	
40	56.5	104	"	50	56.0	97.5	7819.95	5077.30	647.44	
70	55.25	102	"	75	55.3	96.5	7820.38	5091.40	626.81	
96	55	108	"	100	55.0	99.0	7820.63	5105.69	606.30	
124	54.75	105	"	125	54.5	99.0	7820.57	5120.12	585.88	
148	52.25	104	"	150	52.0	98.5	7820.57	5135.07	565.86	
175	49.25	104.5	"	175	49.3	98.5	7820.64	5150.93	546.54	
208	42.50	108	"	200	44.8	101.0	7820.33	5167.96	528.27	
248	35.25	108.5	"	225	39.0	103.0	7819.26	5186.52	511.60	
271	31.00	109	"	250	34.3	103.5	7817.68	5206.50	496.70	
299	26.25	109.5	"	275	29.8	103.0	7816.02	5227.62	483.46	
323	21.00	110	"	300	25.5	104.0	7814.19	5249.68	471.88	
				323	21.0	104.5	7812.16	5270.70	462.80	

QR 99 EASTMAN SINGLE SHOT DOWNHOLE CAMERA SURVEYS

COMMENCED: 1-9-76

COMPLETED: 10-9-76

DEPTH: 323-0 m.





DIAMOND DRILL LOG

Hole No **PR 99**

Page No **2**

Feature : Bedding Shearing
 Foliation Fault carbonate
 Fragment-size & shape Vein 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
		<i>Little tuff agglomerate as above.</i>							<i>Pyrite 5% as above.</i>
	3.0	<i>Crude fragment elongated 60° CA.</i>							
	28.4	<i>Below 28.4 m the rock is a coarse little tuff. (reworked tuff) similar to above. Grinding suggests top surface date GRADATIONAL CONTACT.</i>							
	3.0	<i>Grey carbonated and sericitized little tuff agglomerate (with some strongly porphyritic fragments) little fragments are irregular to angular in outlines - occasionally Fract <u>Fract</u> <u>Pyrite</u> and white quartz veining GRADATIONAL CONTACT showing swags. They vary from 0.5 cm to 6 cm. The consist of feldspar porphyry lava with white aggregate of carbonate replacing feldspar. Small < 1mm aggregate of chlorite has been noted in some fragments, possibly after pyroxene or hornblende. Thus some of the fragments may be andesitic. Small fragments of pyrite has been noted (to 1cm).</i>							
	33.2								
	33.6								
	35								
	3.0								
	4.0								
	1.9	<i>Its matrix is fine grained, grey in colour and appears to be composed of quartz.</i>							
	3.0	<i>Joints from 20° to 70° to CA. has been noted.</i>							
	45								
	0.5	<i>This tuff is apparently closely related to the underlying porphyritic dacite</i>							
	0.5								
	47.8	<i>GRADATIONAL CONTACT</i>							
	3.0	<i>RP. Grey to buff porphyritic dacite in part fragmental - below 62.5m probably auto brecciated. Carbonated locally sericitized</i>							<i>Pyrite 37-5% as disseminations and stringers veins filling some fragmental areas and fractures.</i>
	50								






DIAMOND DRILL LOG











Hole No **PR99**

Page No 3

Feature : Bedding 
 Foliation 
 Fragment-size & shape 

Shearing 
 Fault 
 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
	3.0	<i>P.V. In part fragmented. The rock is "shattered" porphyritic dacite. Feldspar phenocrysts to 3mm are replaced by sericite/carbonate aggregates.</i>							<i>Pyrite 37-59% above.</i>
	3.0								
	55								
	3.0	<i>The rock is generally fractured pyrite commonly fills fractures.</i>							
	3.0								
	60								
	3.0	<i>Below 62.5m. Anticrinal porphyritic Dacite.</i>							
	65								
	3.0								
	3.0								
	70								
	3.0								
	3.0								
	75								
	1.8								



DIAMOND DRILL LOG

Hole No **QR 99** Page No 6

Feature : Bedding Shearing
 Foliation Fault
 Fragment-size & shape 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
	125.1							125.1	
NQ	2.8	P.P Grey carbonate locally sericitized <u>lithic tuff / tuff agglomerate</u>	BROKEN CORE						Pyrite 5% as disseminations, aggregates or irregular veins. locally 10%.
BQ	1.1	Lithic fragments from 0.5 mm to 6cm or irregular in outline, dominantly feldspar porphyry dacite.							
	1.9	Feldspar phenocrysts are represented by aggregates of pale green sericite to 3mm.							
	130	Occasional pumice fragments have been noted - generally as "stranded" sericite.							
	0.9								
	3.0	135 There is a foliation, crude fragment alignment at 40° CA.							
	3.0	The matrix is fine grained grey siliceous - sericite rich representing an argillaceous content.							
	140								
	3.0								
	145								
	2.5								
	1.0								
	0.7								
	150								



DIAMOND DRILL LOG

Hole No **0999**Page No **3**

Feature : Bedding Shearing
 Foliation Fault **F**
 Fragment-size & shape 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
		PyP as above							Pyrite 5% Trace Sph, Gn as above.
1.5									
0.5		Below 177.0 m Minor carbonate tension vesicles, to 1cm become common - often with small < 5mm aggregates of Sph, Gn.						175.6	20cm Pyrite 20% as irregular veins.
3.1	180	Below 179m. Most veins are predominantly quartz.							
3.1									
3.1	183							183.0	Pyrite 5% - 7% as disseminations, aggregates and irregular veins. Trace Sph, Gn.
3.1	185								
3.1	187	<u>FAULT CONTACT</u> Fault zone. Png. 30% above and broken core. 50° to CA.						186.9	Pyrite 10% as above Trace Sph, Gn, Barite
3.1		Contact at 187.0m is of and/or normal							
1.5	190	from PyP to Py vein at 194.7m.						189.3	Pyrite 5% - 7% trace Sph, Gn.
1.5	190.3								
2.0		Grey sericitized and carbonated coarse lithic tuff.							
3.0	194.7 195	Lithic fragments include grey porphyritic dacite, grey sericitized porphyritic pumice? Sericite matrix Py Rwd?							
2.8		grey sericitized and carbonated lithic tuff. Lithic fragments are subrounded to rounded in outline from 0.5mm to 2cm in size. They consist of porphyritic dacite, grey tuff? grey sericitized trachyte, occasional microcrystalline chert and pyrite							
	200	Below 199.4m Pumice is common. Its matrix is sericite thin crystalline.							



DIAMOND DRILL LOG

Hole No **QR99**

Page No 13

Feature : Bedding Shearing
 Foliation Fault F
 Fragment-size & shape 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
		Polymictic lithic tuff / coarse lithic tuff or above							Pyrite 5-10% as above.
	3.0	Crude fragment alignment 50° CA. Possibly a reworked tuff.							
	305								
	3.0								
	3.0								
	310								
	311.6	CONTACT 55° CA.						311.6	
	3.0	D Buff locally grey carbonated dacite locally porphyritic and amygdaloidal. Local secondary pyrite alteration along fractures. (POSSIBLY A DYKE) Fine grained quartz - feldspathic groundmass							Pyrite 17-28% as irregular veins and aggregates.
	314.5							314.5	
	3.0	PVP Grey carbonated and sericitized lithic tuff locally coarse lithic tuff. Similar to the rock above 311.6m. possibly a reworked tuff. Polymictic, fragments of porphyritic dacite, sericitized trachyte, minor recrystallized clast, pumice and pyrite							Pyrite 5% as above
	3.0								
	320								
	3.0								
	321.3								
	322.0	Fault zone Peg. 507 Skewed and broken core							
	0.5	323 O.M.E.O.H.							