



DRILL HOLE RECORD

Location QUE RIVER

Property MINERAL LEASE 3^m/75

District TASMANIA

Bearing (M) 92° 48'

Hole No QR101

Commenced 14.9.76

Completed 1.10.76

% Recovery 98.6

Grid bearing (M) 8° 45'

Date 8.10.76

Objective To test for N extension of P lens at 8100N 350 RL.

Core size HQ TO 3m, NQ TO 139.5, BQ TO COMPLETION

Logged C.H. YOUNG

Co-ordinates 8095.54N. 5050.35E Dip 63° 45'

Alt./R.L. 681.97

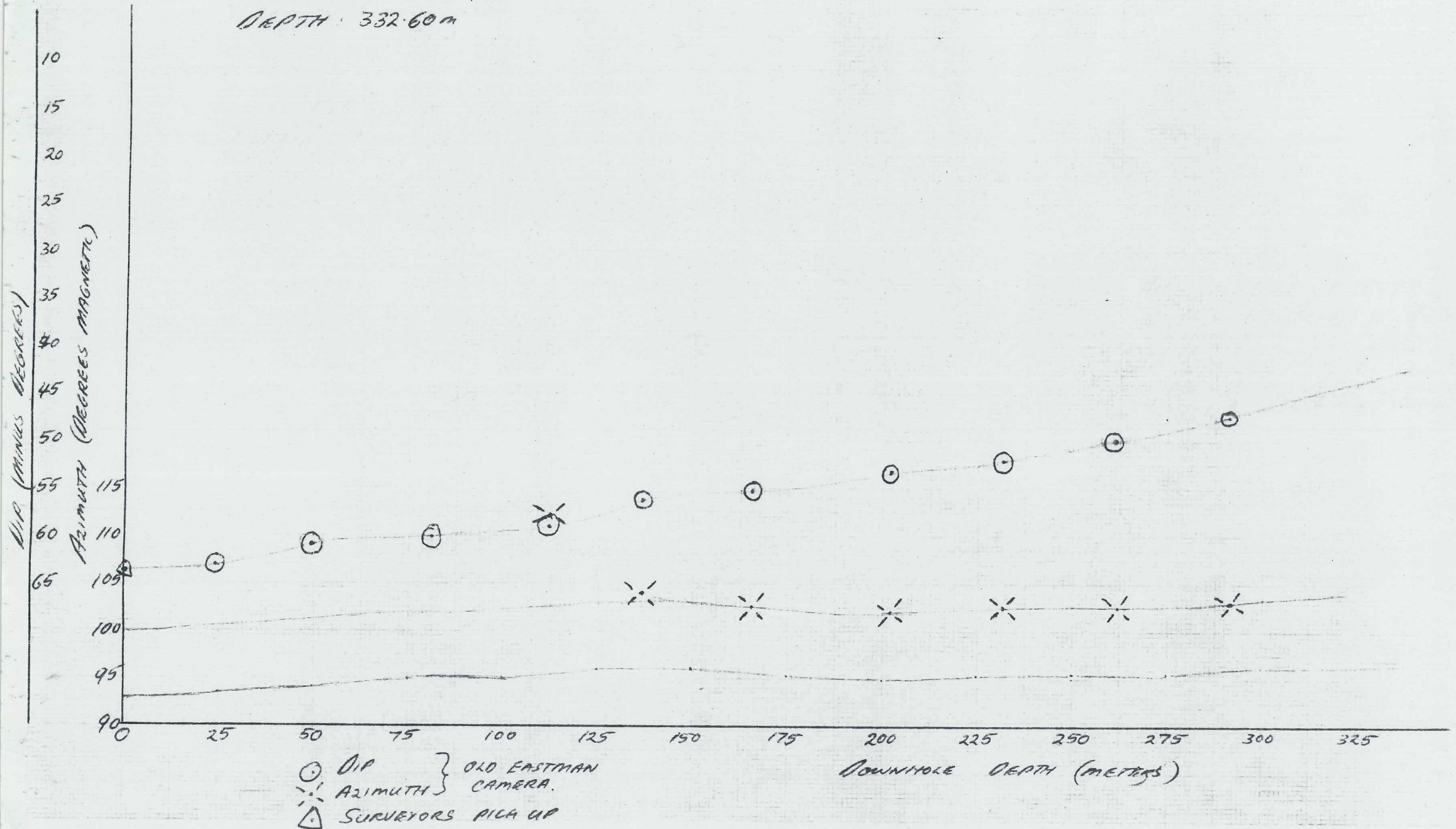
SURVEY DATA				GRAPH DERIVED DATA			CALCULATED CO-ORDINATES			REMARKS
DEPTH	DIP	BEARING(M)	INSTRUMENT TYPE	DEPTH	DIP	BEARING(M)	NORTHING	EASTING	ALTITUDE	
0	64°	095	THEODOLITE AND	0	63.8	92.8	8095.54	5050.35	681.97	
0	63° 45'	92° 48'	BRUNTON SURVEYORS PICK-UP	25	63.0	93.5	8096.64	5061.50	659.62	
24	63°	-	OLD GASTHANN	50	61.0	94.0	8097.66	5073.19	637.55	<i>Hole abandoned at 331.5m Drill rods stuck in hole.</i>
49	61°	-	"	75	60.3	95.0	8098.57	5085.42	615.77	
81	60°	-	"	100	59.5	95.0	8099.39	5097.92	594.14	<i>The "favourable" horizon is considered to have been intersected 256.6 - 273.4m</i>
112	59°	112	"	125	58.0	96.0	8100.12	5110.89	572.77	
137	56.25°	104	"	150	55.8	96.0	8100.77	5124.53	551.84	
166	55.25°	102.5	"	175	55.0	95.0	8101.58	5138.71	531.27	
202	53.75°	102	"	200	53.5	95.0	8102.54	5153.28	510.98	
232	52°	102.5	"	225	52.5	95.5	8103.45	5168.30	491.01	
262	50°	102.5	"	250	50.8	95.5	8104.33	5183.79	471.42	
292	47.25°	103	"	275	48.8	95.5	8105.25	5199.92	452.34	
				300	46.5	96.0	8106.13	5216.74	433.87	
				325	44.0	96.5	8106.90	5234.32	416.12	
				331.5	43.5	96.5	8107.08	5239.01	411.63	

QR101 EASTMAN SINGLE SHOT DOWNHOLE CAMERA SURVEYS.

COMMENCED: 12.9.76.

COMPLETED: 1.10.76

DEPTH: 332.60 m





DIAMOND DRILL LOG

Hole No **DR101** Page No **1**

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
		P.D. Grey carbonated locally sericitized grey-buff porphyritic dacite (autobrecciated)							Pegrite 5% locally 10% Trace Sp. h. con.
HQ		The rock is relatively unweathered at surface.							as disseminations, aggregates and irregular veins or stringers.
NQ	1.5	Feldspar phenocrysts to 3mm are represented by aggregates of pale grey-green sericite.							
	5.0	The groundmass is fine grained quartzo-feldspathic.							
	3.0	The rock is locally fractured, autobrecciated with pyrite commonly filling interfragmental areas.							
	3.0	3.1-5.0m Intense silica alteration with base metals, pyrite, chlorite filling interfragmental spaces.							
	10								
	3.0								
	15								
	3.0								
	3.0								
	20								
	3.0								
	25	Below 23.5m the rock is rich in carbonate - minor carbonate veins to 1cm are common.							

BROKEN CORE



DIAMOND DRILL LOG

Hole No **DR101** Page No **3**

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
3-0		No angular inclusions from 5 mm to 15 cm. They consist of porphyritic dacite and occasional scattered trachyte?							Pyrite 5% locally 10% Trace Sph, Gr as above
3-0		The matrix is light grey in color fine grained and siliceous.						52.0 52.4	Pyrite 10% sph 5-7% Gr 3-5% as decs and irregular veins.
	55	Minor white carbonate veins to 2 cm has been noted.							Pyrite 5% locally 10% Trace sph, Gr as above.
3-0									
0.5									
3-1	60								
3-0									
	65								
3-0									
	70								
	70.5								
0.4		<u>Fault Zone</u> Minor Pyg, Sheared and broken cov.							
0.2	72.25	<u>FAULT CONTACT</u> PyD grey. Buff carbonated and sericitized feldspar feldspar lava.							
3-1		Feldspar phenocrysts are represented by aggregates of pale green sericite							
	75								



DIAMOND DRILL LOG

Hole No QR101 Page No 4

Feature : Bedding Shearing
 Foliation Fault
 Fragment-size & shape Vein carbonate
 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
	75.35	<u>Fault zone</u> Pegmat Breccia. 30% C.A.							Pyrite 5% locally 10% Trace Sph, Gr. as above.
2.2									
	79.0	The groundmass is fine grained grey in colour, quartz-epidote. The rock is commonly auto-brecciated							
2.8	80							79.0	Pyrite 5% - 10% Sph 1% - 3% Gr 1% - 2% as disseminations, aggregates and stringer veins sub-parallel to C.A.
								81.5	Pyrite 10% Sph 1% Gr 1% as above
3.1								83.2	Pyrite 5% locally 10% Trace Sph, Gr. as above.
	84.3	<u>Fault zone</u> Peg and breccia. 80% Sheared and broken core.							
1.5	85								
	85.8							85.8	3cm Py 50%
1.0									
0.4									
0.3									
1.2									
	88.5	<u>Chlorite alteration zone.</u> Chlorite/Sericite alteration of Pyritic dacite.							
0.7									
0.4									
0.9	90	<u>Fault zone</u> Peg, Sheared and Broken Core.							
0.1									
1.4	91.6								
1.2		Porphyritic dacite as above green due to chlorite alteration. Auto-brecciated.							
1.4								92.8	Pyrite 15% Tr Sph, Gr.
								93.1	Pyrite 5% trace Sph, Gr.
	95								
								95.8	3cm Gr 20% in eff. vein
3.0									
1.3									
	99.5								
1.1	100	Grey-green carbonated weakly chloritized						99.4	10cm Sph 10 Gr 5 in irregular stringer.






DIAMOND DRILL LOG



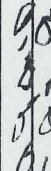

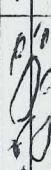

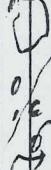




Hole No PR101

Page No 7

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
	152.4	agglomerate. Lithic fragments from 5mm to 15cm of buff. porphyritic dacite.							Pyrite 3% - 5% or above.
	3.0	P.P. grey coarse lithic tuff. Fragments of buff-feldspar porphyry lava are very common. to 3cm.							
	155	Occasional sericitized staurolite?, and feldspar have been noted.							
	3.0	The matrix is grey fine-grained and 'acid'.							
	160								
	160.5	Grey carbonated locally sericitized lithic tuff agglomerate - as above.							
	3.0								
	165								
	0.6								
	3.1	Crude fragment alignment 30° C.A.							
	170								
	2.3								
	1.2								
	175								



DIAMOND DRILL LOG

Hole No **QR101**Page No **11**

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
		as above.							Pyrite 17-27% as above.
3-0	252.4	fale green <i>Acanthopora</i> is common. Foliation 30° C.A. — <u>CONTACT 30° C.A.</u> Similar to some ASP. varieties.						252.4	Pyrite < 1%
3-0	255	Buff to pale green carbonated locally sericitized and with minor illite hydrosmectite.							
3-0		<u>Seldapa porphyry dacite?</u> locally lithic tuff agglomerate							
3-0		Fragments of porphyritic "strawberry" fuciae (fuciae) to 3cm. -							
260		altered to sericite and commonly green due to illite hydrosmectite							
3-0		occurs in a matrix of fine grained - porphyritic dacite.						261	Pyrite 27-37% as disseminations and fracture filling.
3-0									
265									
3-0	265.6	P.P (PP) Grey sericitized and carbonated lithic tuff / coarse lithic tuff.						265.6	Pyrite 37-57% as above.
3-0									
3-0	270								
2.4									
273.4		contact shared 25° C.A.						273.4	Pyrite 28-37%
275		SP Green - buff carbonated locally sericitized <u>Seldapa porphyry dacite?</u> with minor lithic tuff agglomerate bands.							



DIAMOND DRILL LOG

Hole No GR101 Page No 14

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
		Al as above.							Pyrite < 1% as above.
3-0									
3-0	330								
	331.5	S. EOH.							
N/C	332.6	Hole abandoned. 198m BQ Rod lost.							