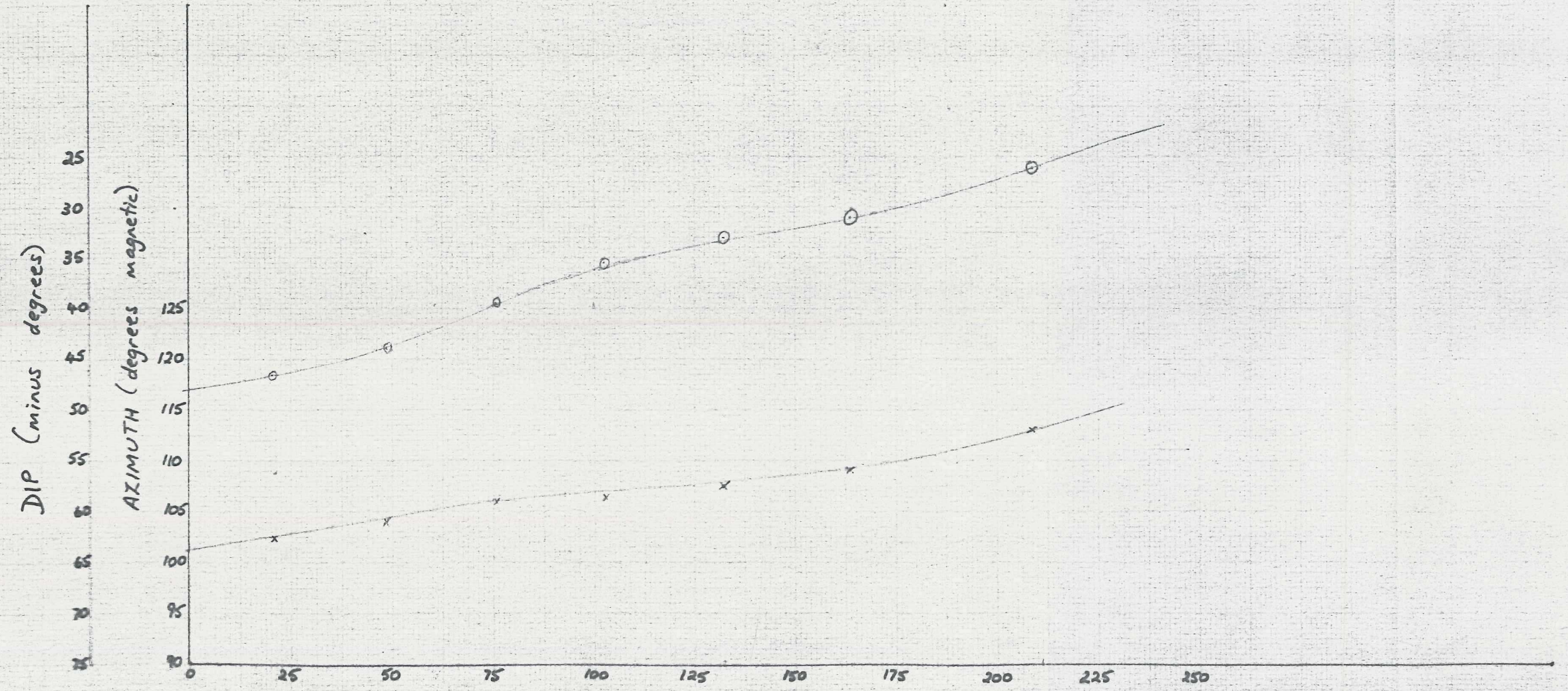


QR. 23.






DOWN HOLE DISTANCE (meters)

Eastman Single Shot Camera.

○ DIP
x AZIMUTH

DIAMOND DRILL LOG

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
		As above.							Pyrite 5%, 10% where indicated. Rare disseminated galena and sphalerite.
	3.0	Below 78 m there are occasional lithic fragments, or brecciated tuff? completely sericitised commonly with aggregates of pale green sericite.	8						
	80		B						
	3.0		B						
	3.0		B						
	85		B						
	85.2	<u>Light grey siliceous coarse lithic tuff-tuff agglomerate.</u>	B					85.2	Pyrite 3%, 8% where indicated, fine subhedral to euhedral crystals as disseminations, aggregates and irregular veins. Trace secondary galena, sphalerite and rare chalcopryrite are randomly distributed, generally associated with minor carbonate veins.
	3.0	A rather mixed unit partly fine grained, bedded at 50° to core axis, many fragments however are >3.2 cm.	B						
	3.0	The common lithic fragments are siliceous light grey in colour, characterised by pale green sericite aggregates to 3 mm in size, often with euhedral outlines, relict feldspar?, they are irregular in shape and occasionally to 5 cm. Other fragments include pumice similar in appearance to the fragment described above but with a more ragged outline and sericite aggregates with shard like outlines. Fine grey fragments of tuff are also common. Often pyrite replaces sericite to give a mottled appearance to the fragments.	B						91.2 m 3 cm, trace secondary sphalerite and galena.
	90		B						
	3.0		B						
	95	The matrix is light to dark grey and tuffaceous.	B						
	3.0		B						
	98	98 - 102 m minor carbonate veinlets to 3 mm are common.	B						
	99.3	99.3 - 114.8 m lithic fragments, dacitic lava, are often amygdaloidal,	B						
	100		B						












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	vesicles up to 1 cm filled with white carbonate.							Pyrite 3%, 8% where indicated. Rare secondary sphalerite, galena and chalcopyrite.
	3.0	105							
	3.0	Below 107 m the rock appears to be autobrecciated. Large partly rounded fragments in a matrix of similar composition. Small < 2 mm carbonate blebs are very common and may represent altered spherulites. (This interpretation is aided by the presence of vesicular and amygdaloidal lava fragments indicating a shallow environment.)							
	3.0	110							
	1.2								
	1.8								
	114.8							114.8	Pyrite 3% fine subhedral to euhedral crystals as disseminations, aggregates and irregular veins.
	2.6	115 Pale grey-green carbonated <u>vitric tuff</u> . Olive green sericite aggregates replacing vitric shards? in a fine siliceous matrix.							
	117.3							117.3	Pyrite 10% - 15% as above. Trace sphalerite and galena.
	2.1	Grey-green siliceous <u>vitric tuff</u> . Pale green sericite aggregates up to 3 mm after vitric shards? predominate in this unit. Randomly distributed quartz crystals are common.							
	1.4	120 The matrix is very fine grained light grey and siliceous. The unit is locally fragmental but more commonly autobrecciated where large rounded fragments in a matrix of similar composition give the appearance of a rough concentric zonation.						120.05	119.9 m secondary chalcopyrite 10% as splashes over 3 cm, partly altered to chalcocite. Pyrite 3%, generally as irregular veins and aggregates of very fine subhedral to euhedral crystals, some colloform textures have been noted.
	3.0								
	125								

DIAMOND DRILL LOG

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	As above.							Stringers of secondary sphalerite, galena and occasionally chalcopyrite often associated with quartz carbonate veinlets are common in this unit, trace overall.
	3.0	Weak foliation 45° to core axis.							
	130								
	3.0								
	135								
	1.8								
	1.2								137.9 Pyrite 15% as irregular veins, trace secondary sphalerite, galena and chalcopyrite.
									138.9 Pyrite 5% as irregular veins and aggregates. Trace secondary sphalerite, galena and rare chalcopyrite.
	140								
	3.0	142.5 - 144.3 m Minor carbonate veinlets are common.							
	145								
	3.0	Below 146 m the rock is a coarse tuff, fragment outlines are obscure.							
								146.9 Pyrite 30% irregular	
								147.2 veins of subhedral to euhedral crystals, sphalerite 2%, galena <1% trace chalcopyrite.	
	3.0							Pyrite 5% as above.	
	150								

DIAMOND DRILL LOG

Feature :

Bedding 
 Foliation 
 Fragment-size & shape 







Shearing 
 Fault 
 Vein - 

c carbonate
q quartz




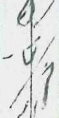



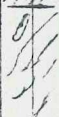



Mineralization :

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
		As above.							
	1.6	Partly disrupted.							Pyrite 5%, trace sphalerite and galena as above.
	2.9								
	155.1								
	1.6	Grey-green <u>feldspar crystal tuff</u> . Bedded at 35° to core axis. Small buff coloured carbonate aggregates after feldspar and occasional lenticular sericite aggregates in a grey-green tuffaceous matrix.						155.1	Pyrite 1% - 2% as disseminations of fine subhedral to euhedral crystals.
	0.6								
	158.6								
	2.4	Grey to grey-green locally sericitised and silicified coarse lithic pumice tuff. A varied and partly disrupted unit. Lithic fragments are commonly sub-rounded to 3 cm in size and comprise; pale buff coloured rhyolite?, pale grey-green quartz feldspar crystal tuff, fine grained grey tuff, grey dacitic lava characterised by pale green sericite aggregates and occasionally fragments of chert.						158.6	Pyrite 3%, 10% where indicated, fine subhedral to euhedral crystals as disseminations irregular veins and as rounded aggregates (framboidal). Occasional aggregates of secondary sphalerite rimmed with galena have been noted.
	160								
	3.0	Occasional pumice fragments are filamentous and pale green to white in colour.							
	165	Matrix is fine grained, ashy and commonly flooded with fine dusty pyrite.							
	3.0	Fractures 20° - 60° to core axis.							
	3.0	Foliation and bedding at 45° to core axis.							
	170								
	3.0								
	3.0								
	175								168.2 - 170.3 m Fine disseminated galena 3% in a siliceous tuff matrix, trace secondary sphalerite.


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	Lithic pumice tuff agglomerate as above.				Pyrite 3%, 10% where indicated.
	1.6	178.5 - 179 m Green-buff fine tuff-lava band. Some carbonate filled vesicles bedded at 45° to core axis.				
	180					
	3.1					
	3.1					
	185					
	185.4	<u>Green tuff-lava carbonate filled vesicles</u>			185.4	Rare pyrite.
	185.85	Grey sericitised lithic vitric tuff. Disrupted down to 187.3 m.			185.85	Pyrite 5% as fine subhedral to euhedral crystals. Disseminations, irregular veins and networks.
	3.1	Lithic fragments are generally obscured by alteration, occasional fragments of quartz crystal tuff, feldspar crystal tuff and small fragments of filamentous pumice have been noted.				
	2.0	Pale green lenticular shaped sericite aggregates after vitric shards.				
	190					
	190.8	<u>Fault zone</u> . Pug, 80% sheared and broken core 45° to core axis.				
	2.5					
	193.3					
		Grey lithic tuff as above.			193.7	Pyrite 10%.
	2.0				194.4	
	195					
	195.4	<u>Green tuff-lava carbonate filled vesicles, bedded 40° to core axis.</u>			195.4	195.1 m 10 cm pyrite 10%.
	196	Grey sericitised lithic vitric tuff as 185.85 - 195.4 above. Disrupted in part. There is a definite cyclicity of units below 178.5 m.			196	Rare pyrite.
	2.1					
	198.3					
	198.65	<u>Green tuff-lava carbonate filled vesicles.</u>				198.3 - 198.65 m Rare pyrite.
	199.2	Grey lithic tuff as above.			198.9	Pyrite 20%.
	2.5				191.1	
		Grey-green vesicular tuff-lava carbonate filled vesicles (amygdules).				Pyrite 3% as disseminations of fine subhedral
	200					

DIAMOND DRILL LOG

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
	3.1	Grey to greenish-buff coloured vitric tuff. Weakly autobrecciated. Pale green lenticular sericite aggregates (after vitric shards?), in a greenish-buff siliceous matrix. Similar to 117.3 - 155.1 m above.	F			to euhedral crystals.
	1.7	204				
	0.1	205				
	1.5					
	1.2					
	0.5	208.3			207.4	8 cm massive pyrite.
		Fault contact.			208.3	Pyrite 3%, fine subhedral to euhedral crystals as disseminations and irregular veins.
	2.9	210				
		210.9 E.O.H.				
		Grey-green <u>feldspar hornblende crystal tuff-lava</u> . Feldspar crystals represented by small white carbonate aggregates to 2 mm and hornblende by smaller dark green chlorite aggregates. Vesicles are generally carbonate filled (amygdules) up to 1 cm in size. Minor carbonate veining is common.				