





# ABERFOYLE EXPLORATION DIAMOND DRILL LOG

PROJECT : HATFIELD EL 15/73 TARMANIA

PROSPECT : MT CHARTER

HOLE NO : MC-6

PAGE : 3 of 8

LOGGED : AMH

DATE : 20-7-84

DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION		VEINING	MINERALISATION	STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
			ROCK NAME	DESCRIPTION	TYPE	INTENSITY	TYPE	INTENSITY					
86	1.6	0	ANDESITIC LAVA BRECCIA		1	3						PK. 315726; 87.7m; REP 73-4-119-2 BRACCIATO, ALTERED, ANDESITE LEUCANDESITE CLASTS - SICILIFERO, CALORITISANO, WITH SERICITISANO/ AGRITISANO PLAGIOCLASE PHENOCRYSTS. MATRIX OF CHERRY QUARTZ.	86
88	1.5	0											88
90	2.0	0.2								WEAK OXID.			90
92	1.5	0											92
94	0.5	0.1											94
96	1.4	0											96
98	1.6	0											98
100	1.1	0											100
102	1.6	0.2											102
104	0.8	0											104
106	0.9	0.2								100-7	106		
108	2.3	0									108		
110	2.0	0.2									110		
112	2.1	0									112		
114	0.7	0.2									114		
116	0.5	0.1									116		
118	1.8	0									118		
120	1.2	0.1									120		
122	2.8	0.1									122		
124	2.5	0.3									124		
126	1.6	0.2									126		
128	1.6	0.2									128		
130	2.7	0.1									130		
132	1.1	0									132		
134	0.7	0									134		
136	0.6	0.2									136		
138	1.2	0.1									138		
140	1.1	0.4	128-3								140		
142	1.1	0.4	SEE OVER								142		

119-2  
PINK FELDSPAR SILICA  
ALTERATION OF PHENO-  
CRYSTS ONLY; - NOT  
MATRIX.

125-3

F  
o 117.2, 30cm, RUBBLE

F  
o 124.0, 0.7m, oxid.  
RUBBLE, PINK CLAY.

123-0  
MOD.  
OXID.  
125-3

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			ROCK NAME	DESCRIPTION	TYPE	INTENSITY	TYPE	INTENSITY									
128	1.0	0	ANDREITIC LAVA BRECCIA (WITH EXOTIC CLASTS)	DARK GREEN PORPHYRITIC LAVA BRECCIA. BRECCIA TEXTURE NOT ENHANCED BY MATRIX FELDSPAR/SILICA ALTERATION. SIZE OF BRECCIA FRAGMENTS VERY VARIABLE FROM 1mm - 60mm. PATCHES OF MAROON FELDSPAR/SILICA ALTERATION IN WHICH PORPHYRITIC BRECCIA TEXTURE IS STILL VISIBLE. PHENOCRYSTS PATCHILY PINK ALTERED. CONTAINS 21% VOLUME EXOTIC CLASTS. SIZE RANGE 10mm TO 10cm. TALK GREEN, PINK OR BUFF, NON-PORPHYRITIC WITH ANGULAR SHARP OUTLINES. EXOTIC FRAGMENT RARE TOWARDS BOTTOM OF UNIT.	WISPY PATCHES OF MAROON FELDSPAR/SILICA ALTERATION- PERVIOUS BUT NOT ALTER- ATIVE TEXTURE. PHENOCRYSTS PINK ALTERED.	2							127.0 MOD. OXID.				
129	0.3	0.1															
130	0.9	0.2															
131	0.7	0.2															
132	3.1	0.1															
134	3.4	0															
136	3.0	0															
138	1.7	0															
140	3.0	0															
142	3.0	0															
144	0.3	0.1															
146	2.2	0.1															
148	3.0	0															
150	3.0	0															
152	1.0	0															
154	2.0	0															
156	3.0	0.1															
158	3.1	0.4															
160	0.8	0															
162	2.1	0.2															
164	3.0	0															
166	0.2	0															
168																	

F 128.0 1.0 } OXID  
 F 129.1 0.3 } RUBBLE  
 PINK CLAY

F 143.2 0.3m 15" A  
 OXID. RUBBLE, PINK  
 CLAY

PET 315727, M6.1m; REP. 125.0-165.0  
 ANDREITIC ALBITISED, WEAKLY CALCITE  
 STAINING PLAGIOCLASE PHENOCRYSTS  
 IN ALBITISED / CHLORITISED PERLITIC  
 MICROFELSITIC GROUNDMASS. SIMILAR  
 TO 315726.

155.0

EXTENT OF MAGNETITE ZONE  
 FROM SUSCEPTIBILITY  
 MEASUREMENTS.

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DEPTH	DRILL RUNS	CORE LOSS	LITHOLOGY		ALTERATION		VEINING		MINERALISATION		STRUCTURE	WEATHERING	VISUAL LOG	REMARKS	DEPTH
			ROCK NAME	DESCRIPTION	TYPE	INTENSITY	TYPE	INTENSITY							
170	2.8	0	ANDESITIC LAVA BRECCIA (WITH EXOTIC CLASTS)											170	
172	3.0	0												172	
174	3.0	0												174	
176	1.3	0												176	
178	1.0	0												178	
180	3.1	0												180	
182	3.1	0.2	ANDESITIC LAVA BRECCIA	DARK GREEN, OCCASIONALLY PALE GREEN, SPARSBY PORPHYRITIC LAVA BRECCIA BRACIA FRAGMENTS < 10cm AND CLOSELY PACKED.										182	
184														184	
186	3.0	0												186	
188	3.1	0												188	
190														190	
192	3.1	0												192	
194														194	
196	3.1	0												196	
198	2.3	0.2	TRANSITION ZONE	MIXTURE OF ANDESITIC/DACITIC LAVAS.										198	
200	2.8	0	DACITIC LAVA BRECCIA	FINE GRAINED, GLASSY BUFF COLOURED DACITE BRECCIA. NON PORPHYRITIC EXCEPT FOR RARE SPOTS OF YELLOW WHITE (SERICITE) AFTER FELDSPAR. MATRIX COMPOSITION SIMILAR TO CLASTS.										200	
202	2.3	0.3												202	
204														204	
206	3.1	0	TRANSITION ZONE	AS ABOVE										206	
208	1.8	0.2												208	
210	1.1	0.2	ANDESITIC LAVA BRECCIA, LAVA (WITH EXOTIC CLASTS)	DARK GREEN PORPHYRITIC LAVA, WEAKLY DEVELOPED BRECCIA TEXTURE. RARE PINK EXOTIC CLASTS.										210	

PE. 315728, 170.7, REP. 165.0-181.0.  
 ANDESITIC ALBITISED, CHLORITISED,  
 EPIDOTE STAINED PLAGIOCLASE  
 PHENOCRYSTS IN FELDSPAR MICRO-  
 LITIC GROUNDMASS NON-GLASSY.  
 FLOW STRUCTURED, FLOW RECLINATED.  
 CONSPICUOUS PRIMARY MAGNETITE

PE. 315729, 194.6m, REP. 181.0-196.6.  
 BRECCIATED ANDESITE, SERICITISED,  
 WEAKLY CHLORITISED PLAGIOCLASE  
 PORPHYRITIC LAVA. PERVASIVE  
 BRECCIATED QUARTZ HEALING.

GRADATIONAL CONTACT

180.0

PERVASIVE SERICITISATION  
 WEAK CHLORITISATION  
 OF PHENOCRYSTS AND GROUNDMASS

187.0

AS ABOVE WITH SOME  
 WISPY PATCHES OF PINK  
 ALTERATION.

195.3

196.6  
 PATCHY PERVASIVE  
 SERICITE ALTERATION,  
 DISSEMINATED PYRITE.

204.8

PERVASIVE PINK FELDSPAR  
 SILICA ALTERATION. 2

208.4

STRONG CHLORITE  
 ALTERATION ASSOCIATED  
 WITH FAULTING 4



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			ROCK NAME	DESCRIPTION	TYPE	INTENSITY	TYPE	INTENSITY	TYPE	INTENSITY	TYPE	INTENSITY					
254	2.4	0.4	ANDESITIC LAVA BRECCIA, LAVA (WITH EXOTIC CLASTS)													254	
256	2.7	-															256
258	2.2	0															258
260	1.8	0															260
262	3.1	0														262	
264	2.2	0														264	
266	1.4	0														266	
268	2.4	0.1														268	
270	3.1	0														270	
272	2.1	0														272	
274	2.2	0.3														274	
276	1.2	0														276	
278	1.0	0.1														278	
280	2.4	0														280	
282	2.3	0.2														282	
284	0.2	0														284	
286	0.9	0														286	
288	2.4	0														288	
290	3.1	0.1														290	
292	1.2	0														292	
294	0.9	0.1														294	
296	2.2	0.2														296	

  

DEPTH	DRILL RUNS	CORE LOSS	ALTERATION	VEINING	STRUCTURE	REMARKS
265.3						BRECCIA FRAGMENTS ARE ROTATED - DO NOT HAVE JIGSAW TEXTURE OF OTHER BRECCIAS IN THIS HOLE.
268.0				1-10mm QTZ/CARBONATE		
271.0						
275.1						
275.5						
277.7						
278.2						
279.7						
282.4						
291.5						
291.9						
292.6						
294.7						

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			ROCK NAME	DESCRIPTION			TYPE	INTENSITY	TYPE	INTENSITY										
296	1.9	0	ANDESITIC LAVA BRECCIA, LAVA (WITH EXOTIC CLASTS)																296	
298	2.1	0.1																		298
300	2.3	0																		300
302	3.0	0																		302
304	3.0	0																	304	
306	3.0	0																	306	
308	3.0	0																	308	
310	3.0	0	308.9 EPICLASTIC 310.4	EPICLASTIC - OPEN FRAMEWORK; 1-30mm PINK, BLACK, CREAM, BROWN FRAGMENTS; SUB-ANGULAR, SHARP OUTLINES; FINE GRAINED GREEN MATRIX.																310
312	2.7	0																	312	
314	2.3	1.1																	314	
316	2.1	0																	316	
318	0.8	0																	318	
320	1.7	0																	320	
																		319.1 EOH.		

297.4  
COMPLETE PINK FELDSPAR  
SILICA ALTERATION 5

304.8  
WEAK PATCHY PERMISSIVE  
PINK ALT. 2

306.8  
2

307.6  
2

308.5  
PATCHY PINK FELDSPAR/SILICA  
ALTERATION 2

313.2  
TOTAL PINK FELDSPAR/  
SILICA ALTERATION 5

TOTAL  
PINK  
ALTERATION

319.1 EOH.