

SHEET 2 OF 7

PROJECT:	VALLEY RD FINGAL
PROSPECT:	EL16/2010
DATE:	19/7/2012
LOGGED BY:	D. DELANEY

HOLE DEPTH	CORE RECOVERY	ROD	SAMPLE NO	SULPHIDES	PICTORIAL LOG		GRAPHIC LOG	GEOLOGY NOTES	SUMMARY LOG	
					STRUCT	ALT				
										%
PREFIX	.1	.3	1	3	5		mm			
	0.06	0.5	2	8	32	64				
42									GEO + (DRILLER'S COMMENTS TO GO IN	
44										
46										
48									• DOLERITIC BOULDERS AND CLAY (FRESH CHIPS)	
50										
52										
54										
56										
58										
60								60m		
62										
64									• DOLERITIC BOULDERS AND GRAVEL	
66								66m		
68									• DOLERITIC GRAVEL AND CLAY (SLIGHTLY WEATHERED)	
70								69m		
72									• DOLERITE BOULDERS (FRESH)	
74										
76								75m	• DOLERITE BOULDERS + CLAY	
78								77m		
80								78.5m 79.0m 79.7m	• CLAY, YELLOW-ORANGE, SAND, AND BOULDER CHIPS; TALUS / COAL MEASURE CONTACT ZONE	
									• COAL + CARBONACEOUS MUDSTONE 60-90	
									• COAL + CLAYSTONE, CREAM FAWN 80-120	
REMARKS										

HARD ROCK COAL MINING

DRILL HOLE No VRO08

SHEET 3 OF 7

Survey Depth	Azimuth	Dip	Hole Co-ordinates
			Easting
			Northing
			Elevation (m)
			Azimuth_Mag
			Dip

PROJECT: <u>VALLEY RD FINGAL</u>
PROSPECT: <u>EL16/2010</u>
DATE: <u>19/7/2012</u>
LOGGED BY: <u>D. DELANEY</u>

HOLE DEPTH	CORE RECOVERY	ROD	SAMPLE NO	SULPHIDES					PICTORIAL LOG		GRAPHIC LOG					GEOLOGY NOTES	SUMMARY LOG
				PREFIX	%				STRUCT	ALT	mm						
					.1	.3	1	3			5	0.06	0.5	2	8		
															79.7 M		
82																MUDSTONE - CLAYSTONE, CREAM + COAL 50:30:20	
																82 M	
																82.5 M COAL, CLAYSTONE MUDSTONE 80:10:10	
84																MUDSTONE LIGHT GREY, SILTY	
																COAL 0.10 M THICK, END OF NON-CORE	
	100	100														84.0 M	
																Core: 83.88-84.49 Grey mudstone	
86	100	100														84.49-86.67 Lithic sandstone	
	100	81														86.67-89.58 fining upward sequence	
88	100	65														Grey mudstone coarsening down	
	100	90														to a grey siltstone	
90	89	68														89.58-93.03 Coarse grey sandstone	
	101	100															
92	101	100															
	98	100															
94	98	85														93.03-96.11 Interbedded siltstone and	
	100	100														mudstone grading down to a coarse	
96	100	97														siltstone	
	100	100															
98	102	81														96.11-98.10 Coarse grained grey sandstone	
	95	100															
100	102	100														98.10-101.16 Interbedded siltstone and	
	100	100														grey mudstone.	
102	100	96														101.16-104.38 Coarse sandstone with	
	100	100														some siltstone laminations	
104	100	90														101.16-101.25 Carbonaceous	
	100	82														mudstone band	
106	100	72														104.38-105.71 Interbedded carbonaceous	
	105	25														mudstone and grey mudstone	
108	100	50														105.71-106.55 Cream to brown friable mudstone	
	100	52														with a 6cm coal band at the top of the	
110	100	77														unit	
	100	25														107.40 Secondary pyrite in cream m	
112	100	90														106.55	
	100	95														107.92 Interbedded coal, carbonaceous	
114	100	88														mudstone, and cream-brown mudstone.	
	100	92														17cm good coal at top of sequence. Coal	
116	100	100														at base of unit has minor disc bands	
	100	100														107.92-110.71 Interbedded grey and carbonaceous	
118	100	100														mudstone. Depositional structural movement	
	100	100														and collapse recorded in the sediments	
120	100	100														110.71-131.34	
																Coarse lithic sandstone	
																Top 28cm of unit has coal and carbonaceous	
																mudstone flasers	
																119.77-120.15m mudstone cements	
																in a coarse grained	
																sandstone.	
REMARKS																	

HQ3
DIAMOND
DRILLING
(STACPOLE)

REMARKS

HARD ROCK COAL MINING

DRILL HOLE No VR 008

Survey Depth	Azimuth	Dip	Hole Co-ordinates
			Easting_
			Northing_
			Elevation (m)
			Azimuth_Mag
			Dip

SHEET 4 OF 7

PROJECT: <u>VALLEY ROAD FINGAL</u>
PROSPECT: <u>KL16/2010</u>
DATE: <u>20/08/2012</u>
LOGGED BY: <u>RM/DD</u>

HOLE DEPTH	CORE RECOVERY	RQD	SAMPLE NO PREFIX	GRADED	SULPHIDES %	PICTORIAL LOG		GRAPHIC LOG mm	GEOLOGY NOTES	SUMMARY LOG
						STRUCT	ALT			
								0.06 0.5 2 8 32 64		
100	100	100								
122	100	100								
96	100									
124	102	100								
102	100									
126	93	90								
103	100									
128	100	96								
100	98									
130	100	95								
100	100									
132	100	57								
100	11									
134	100	20								
100	27									
136	100	24								
100	100									
138	100	100								
100	100									
140	100	100								
100	77									
142	100	100								
100	100									
144	92	89								
101	100									
146	101	100								
103	68									
148	100	100								
100	94									
150	100	98								
100	100									
152	100	100								
100	92									
154	100	100								
102	100									
156	100	100								
95	44									
158	98	12								
100	65									
160	97	22								

REMARKS

HARD ROCK COAL MINING

DRILL HOLE No VR 008

Survey Depth	Azimuth	Dip	Hole Co-ordinates
			Easting_
			Northing_
			Elevation (m)
			Azimuth_Mag
			Dip

SHEET 5 OF 7

PROJECT: VALLEY ROAD FINGAL
 PROSPECT: EL 16/2010
 DATE: 20/08/2012
 LOGGED BY: RM/DD

HOLE DEPTH	CORE RECOVERY	RQD	SAMPLE NO PREFIX	SULPHIDES %	PICTORIAL LOG		GRAPHIC LOG mm	GEOLOGY NOTES	SUMMARY LOG
					STRUCT	ALT			
							0.06 0.5 2 8 32 64		
100	78							160.29 at base.	
162	28				α 18°			160.29 - 169.56 Grey mudstone with increasing carbonaceous bands at the base of unit	
101	69								
164	77				α 88°				
103	11								
166	33				α 10°				
100	0				α 88°				
168	0								
100	44							169.56 - 183.12 Quartz lithic sandstone	
170	100								
100	92								
172	100								
100	100								
174	100							175.08 Coal glaser (x)	
100	100							176.28 Coal glaser bed and minor carbonaceous mudstone clasts	
176	100				α 80°			176.62 Coal glaser bed	
100	100							176.94 fine carbonaceous mudstone beds over 3cm and some carbonaceous mudstone fragments	
178	100							178.8cm 1cm coal bed	
100	100							179.78 - 181.63 zones of grey mudstone depositionally collapsed into sandstone sequence	
180	100				α 32°			Driller: 100% water loss between 181-182m	
100	87				α 20°				
182	52				α 88°			183.12 - 193.03 Sharp contact	
100	100							Interbedded carbonaceous mudstone and siltstone	
184	62							Bands of siltstone at	
100	85							182.49 - 182.55	
186	68				α 86°			184.29 - 184.48	
100	61				α 20°			184.67 - 185.00	
188	37				α 22°			The carbonaceous mudstone bands are decreasing in width with increasing depth.	
101	24								
190	63								
101	45				α 82°				
192	47							193.03 - 194.92	
100	46							Siltstone with fine mudstone beds	
194	97				α 85°			194.92 - 199.125 Medium to coarse sandstone	
94	100							195.98 - 196.06 Coal glaser bed	
196	92				α 30° ca			Numerous coaly laminae + inclusions	
104	90								
198	79				α 3°			199.125 - 199.650	
100	90				α 45°			UPPER PLY F SEAM - COAL. Dull minor bright bands, good quality.	
200	46								

REMARKS

DRILL HOLE No VR-008

SHEET 6 OF 7

Survey Depth	Azimuth	Dip	Hole Co-ordinates	
			Easting_	
			Northing_	
			Elevation (m)	
			Azimuth_ Mag	
			Dip	

PROJECT:	VALLEY ROAD FINGAL
PROSPECT:	EL 16/2010
DATE:	24/08/12
LOGGED BY:	MURCOTT / DELANEY

HOLE DEPTH	CORE RECOVERY	ROD	SAMPLE NO	SULPHIDES					PICTORIAL LOG		GRAPHIC LOG					GEOLOGY NOTES	SUMMARY LOG	
				PREFIX	%					STRUCT	ALT	mm						
					1	3	1	3	5			0.06	0.5	2	8			32
	100	0													199.65 - 201.75			
202	100	43													Mudstone, light grey brown; soft, friable weak fretted, swells when wet. 7cm Carb MS at base.			
	100	43													MUDSTONE, mid grey, slightly carb in part.			
204	100	85													202.035 - 202.125m COAL dull stony, heavy			
	100	53													202.125 - 207.775m SILTSTONE, light grey, wavy bedding + shaly.			
206	100	58																
		72																
208	100	72													207.775 - 208.275m MUDSTONE, mid grey, weak friable			
	100	46													208.275 - 210.205 m			
210	100	48													'F SEAM' COAL Dull minor bright, mudstone/carb band at middle.			
	100	75																
212	100	19													210.205 - 214.01m SILTSTONE, muddy in upper	16m		
	100	63													Bright coal inclusions at 213.10m			
214	100	65													11cm Carb mudstone band at 213.65m			
	100	48													214.01 - 214.77m COAL, dull minor bright, good quality.			
216	100	100													214.77 - 216.34m SANDSTONE fine grained, light grey with fine silty laminae			
	100	42													216.34 - 216.825m Light grey MUDSTONE + Dull Stony COAL			
218	100	80													216.825 - 217.130m COAL, dull heavy			
	100	98													217.130 - 218.68m SILTSTONE, light grey;			
220	100	100																
	100	91																
222	100	100																
	100	100																
224	100	100													218.68 - 228.86m SANDSTONE, Medium grained, light grey-white quartz lithic, massive.			
	100	100																
226	100	100																
	100	100																
228	100	100																
	100	100																
230	100	72													228.86 - 230.00m MUDSTONE, medium grey subfissile, silty laminae			
	97	91													230.00 - 230.10m			
232	100	56													COAL, dull stony including 0.03m CARBONACE.			
	100	83													SANDSTONE, fine grained; finely interlaminated with wavy MUDSTONE.			
234	100	87													Contains burrows.			
	100	100													SILTSTONE, light grey, sandy in part.			
236	100	91																
		77													233.48 - 247.45 m SANDSTONE, medium grained, light grey-white, quartz lithic - Upward fining in two pulses of 7m thickness each. Erosional base			
238	90	32																
	100	69																
240	100	100																
REMARKS																		

DRILL HOLE No VR008

Survey Depth	Azimuth	Dip	Hole Co-ordinates	
			Easting_	
			Northing_	
			Elevation (m)	
			Azimuth_ Mag	
			Dip	

SHEET 7 OF 7

PROJECT: VALLEY ROAD FUNGAL
PROSPECT: 2
DATE: 27/8/12
LOGGED BY: MURCOTT / DELANEY

[illegible]