

37 343

## DRILLING RECORD Ref No 15599

SCHEME:- MERSEY - FORTH		POSITION	CO-ORDINATES: E:	N:	HOLE No. 5411
LOCATION:- CETHANA			ON LINE <sup>BM 2577</sup> <del>XXV B</del>	BEARING: 00° 00'	
POSITION PLOTTED ON DRAWING No.: Xs 544		LEVEL	FROM STN. <sup>BM 2577</sup>	BEARING: 54° 23'	DIST.: 117
DATES: (a) DRILLED: July 57 (b) WATER TABLE:			SURFACE:	FORMATION:	WATER TABLE:
METHOD USED:		INCL.	DIAMETER: 4.371		SHEET 1 OF 5 SHEETS
SITE REMARKS:			HOLE DRILLED:	DEPRESSION ANG.:	

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	REMARKS
	0						
	5			o			Coarse whitish - grey conglomerate with haematite staining; pebbles up to 2"; pyrite through out; rusted joints to 13'2"
	10			o			Clay often leached from matrix in joints to show pits; open joints; some joints slickensided
	15			o			
	20			o			18'8" Cavity 1" lined with pyrite + purplish mineral
	25			o			21' joint 1/4" with weathered mica
	30			o			25' open joint filled with fine muscovite + pyrite
	35			o			Joints break 45° + 60°; core in pieces up to 12"
	40			o			
	45			o			42'8" patch of Dolomite
	50			o			Conglomerate as above but finer, better packed; haematite + pyrite nodules; joints lined with pyrite, chlorite; reddish where haematite predominates in cement
	55			o			greenish where pyrite + dolomite. Joints generally tighter than above 30'; core in lengths up to 24". No joints above 60'
	60			o			Core whitish - grey below 60'
	65			o			
	70			o			73' joint 80°
	75			o			
	80			o			
	85			o			85' - 88'6" rusty marks
	90			o			88'6" - 91' shattered core
	95			o			Matrix pyrite + dolomite (?); some joints show signs of slickensides 45°
	100			o			Quartz pebbles predominate.

## DRILLING RECORD

SCHEME - <b>MERSEY - FORTH</b>		POSITION	CO-ORDINATES: E.	N:	HOLE No <b>5411</b>
LOCATION - <b>CETNANA</b>			ON LINE:	BEARING: 00°00'	
POSITION PLOTTED ON DRAWING No.:		LEVEL	FROM STN.:	BEARING:	FILE No
DATES: (a) DRILLED: (b) WATER TABLE:			SURFACE:	FORMATION:	
METHOD USED:		INCL.	DIAMETER: <b>437</b>		SHEET No <b>51</b> OF SHEETS
SITE REMARKS:			HOLE DRILLED:	DEPRESSION ANG.:	
			VERT/HOR/INC:		

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	REMARKS
	100	✓					
	5	✓		○			106' Very coarse conglomerate: boulders up to 8" : light-grey : pyrite + dolomite cement.
	110	✓		○			core loss on vertical joint, other joints still present : core up to 24"
	15	✓		○			
	120	✓		○			
	25	✓		○			Shearing + near vertical joints increase from 100' : core in pieces up to 3" : joints show openings + slicken sides to 147'3"
	130	✓		○			
	135	✓		○			
	140	✓		○			
	45	✓		○			Core up to 18" : no near vertical joint or joint over 60°
	150	✓		○			
	55	✓		○			Increase in number of pebbles other than quartz
	160	✓		○			
	65	✓		○			165' rust stained along closed joint
	170	✓		○			Small holes and open joints to 184'2"
	75	✓		○			
	180	✓		○			
	85	✓		○			
	190	✓		○			188' Conglomerate pebbles up to 5" to 6" (stretched?) increased amount of strongly sheared mixed stone matrix cemented with dolomite, chlorite + some pyrite : joints + shearing approx 60° some 45° all broken joints slicken sided
	95	✓		○			
	200	✓		○			



# DRILLING RECORD

SCHEME:- MERSEY-FORTH		POSITION	CO-ORDINATES:	E.	N:	HOLE No. 5411
LOCATION:- CETHANA			ON LINE:	BEARING 00°00'	AT CH:	
POSITION PLOTTED ON DRAWING No.:		LEVEL	FROM STN.:	BEARING:	DIST: 117	FILE No.
DATES: (a) DRILLED:                      (b) WATER TABLE:			SURFACE:	FORMATION:	WATER TABLE:	
METHOD USED:		INCL.	437			SHEET 1 OF 5 SHEETS
DIAMETER:			HOLE DRILLED:	DEPRESSION ANG:	INCL BEARING:	
SITE REMARKS:			VERT-HOR INC:			

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	REMARKS
	300						302' open joint 80°: pyrite, carbonate (?), red silica calcite, with core loss
	5'						Epidote (?) Pyrite filling along steep cleavages. Fine grained from 303' pyrite
	310						x <sup>sp</sup> throughout. Sheared quartzite (?) Fine grained Qtz coarser towards 325'
	15'						x <sup>sp</sup> cleavage 80° cut by gtz + pyrite veins at 45°
	320						319' gtz pyrite vein: chalcopyrite (?) chlorite
	25'						322' gtz pyrite vein with holes 45° displaces shearing; steep mineralised joint 80°
	325						325'-327' Nearly complete replacement with Qtz
	330						327'-329' Fine Quartzite
	35'						329'-329.8" Coarse -
	340						Qtz vein to 332' with chlorite, muscovite, pyrite
	45'						334-342 Coarse blebs of gtz: core almost completely replaced by gtz.
	350						340' bedding at 60°
	55'						342-344' Coarse gtz rock: gtz vein 45°
	360						346' Conglomerate of predominantly gtz pebbles: mineralised matrix; abundant gtz veins; some schist pebbles.
	65'						351' } Fine grained gtzite: bedding + cleavage 60° to } 351.2" Qtz vein mineralised.
	370						359.7' } Rock replaced by gtz mineralised 362.8" } shearing at 45° at 362'
	75'						362.8'-367.4" Fine grained quartzite with abundant gtz.
	380						367.4'-374" Rock replaced by quartzite: mineralised
	85'						374-382 Fine grained gtz rock: some scattered gtz veins
	390						377 <sup>Coarsest</sup> Rock for 12"
	95'						380 Mineralised zone with open cavities.
	400						382- Fine gtzite dk grey: massively bedded: small gtz blebs + veins with green mineralised vein 60° bedding 80° with variably coloured blebs of pyrite + coarser appearance through-out.
							397' Mineralised zone: green + pyrite
							397.6" 45° joint: pyrite
							398' 45° joint: pyrite
							398.6" joint: gtz

DRILLING RECORD

SCHEME:- MERSEY- FORTH		POSITION	CO-ORDINATES:	E:	N:	HOLE No. 5411
LOCATION:- CETHANA			ON LINE: <sup>8712573</sup> XYV B	BEARING: 00° 00'	AT CH:	
POSITION PLOTTED ON DRAWING No.: Xs 54A		LEVEL	FROM STN. <sup>8m</sup> 2577	BEARING: 54° 23'	DIST: 117	
DATES: (a) DRILLED:			SURFACE:		FORMATION:	WATER TABLE:
METHOD USED:		DIAMETER:		4.37		
SITE REMARKS:		INCL.	HOLE DRILLED:	DEPRESSION ANG.:	INCL. BEARING:	
			VERT/HORIZING:			SHEET No. 5 OF 5 SHEETS

STANDARD LEVEL	DEPTH	CORE DRAWN	RECOVERY	GRAPHIC LOG	JOINTS	WATER	REMARKS
	400						404' Quartzite with thin white qtz veins increasing distinct vein at 60°
	5						406' Quartz chloritic rock (Jennings); dark + light grey banding at 80°; light areas irregular boundaries with pyrite
	10						Heavily impregnated with pyrite + greenish grey with dark grey banding at 80° Fine dark banding; bedding replaced by pyrite + qtz filled joints
	15						421' Quartz vein with openings; banding less distinct; heavy pyrite impregnation
	20						427' Change from green to blackish on 80°; green vein on 80° at 430' with distinct qtz banding below
	25						433' 8" quartz vein
	30						437' Rock replaced by green chlorite qtz; much pyrite; qtz for 8" with voids + pyrite at 436'
	35						437-442 Dark grey quartzite with irregular qtz, chlorite, pyrite blebs.
	40						442 Dark grey quartzite; occasional pyrite veins and blebs.
	45						
	50						
	55						
	60						Hole Completed 448'
	65						Logged G. Hole
	70						
	75						
	80						
	85						
	90						
	95						
	100						

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