

CO-ORDINATES: 5271275mN : 386833mE		CORE SIZE: NQ 0.80m to 18.70m BQ 18.70m to 50.60m	FINAL DEPTH: 50.60m	HOLE NUMBER: SPCS-5
AZIMUTH: 080° (TN)	INCLINATION: -51.4°		PRE-COLLAR: 0.80m	

FROM :	TO	INCLUDING	DETAILS
0.00	: 0.80		Pre-collar
0.80	: 5.70		QUARTZ FELDSPAR BIOTITE PORPHYRY. Generally pale orange/brown weakly to moderately weathered and limonitic Qfbp. The rock is only weakly foliated / schistose and contains limonitic fractures which may or may not be after pyritic veinlets.
		1.90 : 2.50	Chloritic zone with a limonitic fracture running parallel to the core axis.
		2.60	Limonitic fracture at 60° ca with chloritic selvage.
		3.15	Limonitic fracture at 80° ca.
		3.80	Limonitic fracture at 80° ca.
		4.55	Limonitic fracture at 50° ca.
		4.80	Limonitic fracture (after 1mm pyrite veinlet?) at 55° ca.
		5.05	Limonitic fracture at 55° ca.
		5.20	Limonitic fracture at 55° ca.
		5.25 : 5.40	Strongly chloritic zone with three fresh pyritic veinlets (1-2mm thick) at 60° ca.
		5.45	Limonitic veinlet at 50° ca.
5.70	: 7.70		QUARTZ FELDSPAR BIOTITE PORPHYRY. A weak to moderately chloritic, weakly foliated / schistose Qfbp. Two chloritic pyritic zones are noted.
		6.00 : 6.02	20mm thick strongly chloritic zone with 1% pyrite. Zone is at 45° ca.
		6.10 : 6.35	Strongly chloritic zone with 0.5% pyrite in irregular veinlets sub parallel to the core axis.
		7.30 : 7.32	Strongly chloritic zone at 60° ca with no associated pyrite.
		7.50 : 7.52	Strongly chloritic zone around a limonitic veinlet at 50° ca.
7.70	: 9.05		QUARTZ FELDSPAR BIOTITE PORPHYRY. Moderately limonitic zone associated with three quartz veins. No fresh sulphides but some limonite noted.
		7.80 : 7.90	Irregular / vuggy / quartz vein cutting foliation.
		8.00 : 8.03	25mm quartz vein at 60° ca.
		8.40 : 8.43	25m quartz vein at 30° ca with minor limonitic clots in the vein probably after pyrite.
9.05	: 13.75		QUARTZ FELDSPAR BIOTITE PORPHYRY. Moderately foliated / schistose. Qfbp with occasional disseminated / veinlet pyrite as noted.
		9.20 : 9.30	Strongly chloritic zone.
		10.15 : 11.30	Strongly chloritic zone with two 0.5mm pyrite veinlets, cross-cutting, one at 65° ca and the other at 15° ca.
		11.40 : 12.10	
		11.80 : 11.85	Two 1mm pyrite veinlet at 0° ca., one steep to the north-north-east, the other shallow to the east.
		12.00	Two 1mm pyrite veinlet at 20° ca. (Steep to east and steep to north-north-west) and 1mm pyrite veinlet at 50 ca.

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FROM :	TO	INCLUDING	DETAILS
13.75	: 22.90		QUARTZ FELDSPAR BIOTITE PORPHYRY. Moderately, occasionally more strongly foliated / schistose, increasingly so downhole towards the faults from 22.90m to 23.85m. Contains strongly chlorite altered zones and a number of fine pyritic veinlets as noted.
		13.75 : 14.20	Limonitic zone as selvedge to a minor puggy fault at 14.05m.
		14.40	1mm pyrite veinlet at 60° ca.
		16.60 : 16.70	Secondary foliation defined by fine sericitic layers at 30° ca.
		17.00 : 17.10	10mm thick chlorite zone/vein with 25% pyrite, at 10° - 15° ca.
		17.20	1mm chlorite pyrite veinlet at 20° ca.
		18.10	2mm chlorite-pyrite veinlet at 60° ca.
		18.50	1mm chlorite-pyrite vein at 35° ca, steep to north-north-east.
		18.75	1mm chlorite-quartz-pyrite vein at 25° ca.
		19.20 : 19.60	Strongly chloritic zone with 0.5% pyrite as disseminations and in veinlets at 45° and 25° ca.
		19.95 : 20.05	2mm pyrite veinlet at 20° ca.
		20.45 : 20.55	1mm pyrite veinlet at 15° ca dipping steeply to north-north-east.
		20.65 : 20.80	Strongly chloritic zone with 2% pyrite in three 2mm veins at 55° ca. Zone is a selvedge to the quartz vein.
		20.80 : 20.90	Quartz vein at 25° ca.
		21.00 : 21.90	2mm pyrite vein runs down centre of core dipping steeply to the north-north-west.
		22.50 : 22.60	Quartz chlorite vein at 50° ca.
22.90	: 23.85		FAULT. Two puggy faults separated by a zone of broken Qfbp in the middle. No sulphides or quartz veining within this fault zone.
23.85	: 28.10		QUARTZ FELDSPAR BIOTITE PORPHYRY. Weak to moderately chloritic, weakly schistose. Qfbp with one pyrite vein noted.
		26.35	Irregular 2mm pyrite vein at approximately 30° ca, dipping steeply to the west-north-west.
28.10	: 31.30		QUARTZ FELDSPAR BIOTITE PORPHYRY. Generally moderately foliated / schistose throughout with occasional more strongly schistose zones. The foliation / cleavage is at 50° ca.
		28.40	3mm pyrite vein at 60° ca.
		29.75 : 30.35	Schistose zone with mm pyrite vein at 45° ca at 29.75m, a 1mm vein at 50° ca at 30.00m and two veinlets at 40° ca at 30.05m and 30.20m.
		30.85	1mm pyrite veinlet at 45° ca
		30.95	1mm pyrite veinlet at 45° ca
		31.20	3mm chlorite pyrite vein at 55° ca
31.30	: 50.60		QUARTZ FELDSPAR BIOTITE PORPHYRY. Generally only weakly schistose / foliated Qfbp. Moderately chloritic to 37.50m, weakly chloritic between 37.50m and 46.85m, moderately chloritic below 46.85m.
		36.85	2mm pyrite vein at 60° ca
		37.05	2mm pyrite vein at 60° ca

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FROM :	TO	INCLUDING	DETAILS
		37.15 : 37.25	Strongly chloritic zone with 2% pyrite in irregular veins to 50° and 0° to the core axis.
		37.40 : 37.50	Strongly chloritic zone with 5% pyrite in veins at 55° ca.
		37.65 : 37.75	5mm chlorite pyrite vein at 45° ca.
		37.80	Chloritic pug zone at 45° ca.
		38.20 : 38.80	Minor carbonate breccia infilling.
		39.20 : 39.70	30mm fibrous quartz chlorite vein & parallel to core axis.
		40.05 : 40.15	Strongly schistose zone.
		45.40	15mm thick pyrite vein at 55° ca, the vein dips steeply to the south-west.
		46.35	5mm puggy zone at 45° ca.
		47.25 : 47.65	Puggy zones in broken core at 65° ca.
		48.45 : 48.50	Strongly chloritic zone with 3mm pyrite vein at 40° ca.
		49.20	1mm pyrite veinlet at 55° ca.
50.60			E.O.H.