

LATITUDE	L 31+00N
DEPARTURE	11+75E
ELEVATION	205m
DIP AT COLLAR	-45°
BEARING	315°
FINAL DEPTH	209.4m
TOTAL DRIFT	4.8 m
REMARKS	Used Warren Polk core barrel

Vinland Resources Limited
DIAMOND DRILL CORE LOG

Sheet No. 1 of 2

Tests Depth	Dip	Magnetic Bearing	Correcting Bearing	Project No.	Hole No.
90m	-46°	335.5°	313.5°		BJ-03-14
190m	-47°	338°	316°	Property NTS	Buchans Junction
					12A/16
				Date Started	June 12, 2003
				Contractor	Petro Drilling Co. Ltd
				Logged By	R. M. Graves
				Grid Name	Mary March - Joe Glodes
				Date Completed	June 15, 2003

DEPTH & LITHOLOGY	DESCRIPTION	REMARKS
0 - 4.8m	Overburden	
4.8 - 17.6m	Rhyolitic Unit (Felsic Crystal Tuff) - mottled grey to pink in colour, massive, no fabric, very siliceous, non-magnetic; hosts 2-3% anhedral quartz and feldspar crystals 2-3mm in diameter; minor hematitic veins and blebs; trace chlorite specs - gossanous fracturing at 5.8 - 6.2 metres - mafic clast (1-2cm diameter) at 7.3 metres - quartz and quartz-breccia veins (1-20mm in thickness) from 7.7m - 8.1m, attitudes at 70° TCA - 20 - 30% hematite in unit from 8.2 - 8.4m - from 13.5 - 17.6m quartz and feldspar crystals increase modally to 5% and 3 - 5 mm in diameter - lower contact lost in broken core	
17.6 - 157.9m	Gabbro - dark green, fine-medium grained equigranular, minor calcite in quartz veinlets, weakly magnetic locally, no fabric, minor epidote veining; may actually be mela-gabbro in composition - quartz-calcite veining common - sericitic matrix from 28.0 - 92.0; alteration is quite intense; sericite also occurs on joint faces and as veinlets - greyish siliceous dykes from 41.7 - 46.4 metres and 53.3 - 55.0 metres - intense sericitic veining and brecciation from 69.8 - 71.3; pyritized sericitic fault gouge at 70.8 - 71.2 metres - fault gouge at 71.7 metres; broken core from 71.5 - 72.4 metres and 76.2 - 76.5 metres - 1cm thick quartz-calcite veins orthogonal to core axis at 82.5 - 82.7 metres - pyrite blebs on sericitic fractures at 85.0 metres - magmatic (?) layering at 50° TCA at 89.9 metres - .5 - 1cm thick quartz-sericite veins from 94.5 - 96.5 metres at 30° - 90° TCA - siliceous veining from 99.5 - 99.9 metres - 20cm thick quartz vein at 101.7 metres - pyrite blebs at 102.3 & 102.7 metres - unit takes on a lighter colour from 102.6 - 153.9 metres; 50% pyroxene and 50% plagioclase; hosts numerous sericitic veins; pyrite common in veins; non-magnetic; gabbroic in appearance; no discernible intrusive contact however; no calcite in matrix - matrix of rock is 30% sericitized - extensively broken and sericitic from 113.5 - 116.0 metres	

	- slickensides common on sericitic veins - 10cm fault gouge at 126.5 metres - coarse grained leucocratic pods (minor epidote) at 133.0 – 133.6, 138.1 – 138.6, 139.1 – 139.4, 142.4 – 143.0, 146.8 – 147.1 - calcite crystals at 154.3 metres - unit is dark green and fine grained from 153.9 – 157.9 metres; gabbro is chilling against unit below; bottom 10cm from 157.8 – 157.9 is aphanitic, lower contact at 30° TCA	
157.9 – 191.1m	<u>Rhyolitic Unit</u> - orange pink in colour, aphanitic to fine grained matrix, hosts 3 – 5% anhedral feldspar crystals 2-3mm in diameter, very siliceous; locally appears to host lapilli sized fragments of same composition as matrix - bleached sericitic alteration zones 2-3cm wide from 168.7 – 170.5 metres ; trace pyrite, chalcopyrite blebs at 169.7 metres - rock grades into a clearly recognizable crystal – lapilli / lapilli tuff starting at 182.0 metres to bottom of unit at 191.1 meters; fragments are greenish-black in colour, soft and perhaps altered - numerous epidote veins in bottom 2 metres of unit - lower contact at 30° TCA	
191.1 – 191.8m	<u>Mafic Volcanic</u> - dark green, fine grained, location of a significant fault, extensive broken core, fault gouge; strong fabric at base of unit at 10° TCA	
191.8 – 192.9m	<u>Felsic Volcanic</u> - dark grey, aphanitic, very siliceous, upper 20cm hosts jasper veinlets; lower 70cm comprises irregular contact closely paralleling core axis with rip-up clasts (?) from mafic unit below	
192.9 – 203.0m	<u>Mafic Volcanic (Basalt)</u> - dark green, weakly magnetic, massive, no fabric, calcite amygdules locally, minor quartz-calcite veining - no discernible internal contacts	
203.0 – 204.5	<u>Siltstone</u> - thick to thin inter-bedded green and red siltstone, bedding at 40° TCA	
204.5 – 206.1	<u>Basalt</u> - same as at 192.9 – 203.0	
206.1 – 208.4	<u>Siltstone</u> - same as at 203.0 – 204.5 metres	
208.4 – 209.4	<u>Basalt</u> - same as at 192.9 – 203.0 metres	
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