

GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K94-033

Prospect:	ABM	Hole Type:	DD	Survey Type:		Logged By:	David Nuttal
Grid:	NAD83_Z9	Hole Diameter:		Survey By:		Date Logging Start:	
UTM Easting	415047.09375	Core Size:		Azimuth:	180	Date Logging Complete:	
UTM Northing:	6815747.5	Casing Pulled?:		Dip:	-45	Drill Company:	
UTM Elev. (m):	1383.92	Casing Depth (m):		Length (m):	230.4	Drill Rig:	
Local Easting:		Stored?:		Claims Title		Drill Started:	
Local Northing:		Cemented?:		Core Storage Loc.:		Drill Completed:	
Local Elev. (m):						Purpose:	
Comments:						Parent Hole:	

Downhole Surveys:

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-45	180		180	SS				<input checked="" type="checkbox"/>	
32	-46	177		177	SS				<input checked="" type="checkbox"/>	
62	-48	177		177	SS				<input checked="" type="checkbox"/>	
93	-51	183		183	SS				<input checked="" type="checkbox"/>	
123	-53	182		182	SS				<input checked="" type="checkbox"/>	
154	-56	184		184	SS				<input checked="" type="checkbox"/>	
184	-58	183		183	SS				<input checked="" type="checkbox"/>	
215	-59	186		186	SS				<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Ag PPM	Au PPM	Cu %	Pb %	Zn %
0.00	17.00	OVBN Overburden									
17.00	20.60	RHYva Coarse grained to ash tuff									
<<Min: 17 - 46 0.25% Min: Calcite>> ~5% CA within mafic dykes. <<Min: 17 - 46.5 0.5% Min: Pyrite>> <<Min: 17 - 54 0.5% Min: Pyrrhotite>> <<Min: 17 - 57 5% Min: Ankerite>>											
20.60	21.60	MAFi Mafic Intrusions (primarily footwall mafic intrusion)	FG								
20.6 - 21.6: mafic dyke											

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21.60	24.40	RHYva Coarse grained to ash tuff 21.6 - 24.4: high angle, small diameter quartz vein with tracepyrite and galena.									
24.40	30.20	RHYcw Curdy textured-flow banded (flows, subvolcanics) 24.4 - 30.2: Interval has small sections of lapilli tuff. High PO wiith flows									
30.20	33.90	RHYvl Lapilli tuff 30.2 - 33.9: +/- crg textures. 2 mafic dykes near top of interval <40cm eac									
33.90	36.90	MAFt Mafic Volcaniclastics FG 33.9 - 36.9: Speckled appearance due to Fe-bearing phenocrysts (ankerite?). Calcite is pervasive but also as thin bands.									
36.90	46.50	RHYva Coarse grained to ash tuff 36.9 - 46.5: +/- crg textures. 2 mafic dykes near top of interval <40cm eac <<Min: 37 - 56.8 0.1% Min: Galena>> <<Min: 46 - 51.1 5% Min: Calcite>> mafic sill?									
46.50	51.10	MAFt Mafic Volcaniclastics FG 46.5 - 51.1: Speckled appearance due to Fe-bearing phenocrysts (ankerite?). Calcite is pervasive but also as thin bands.									
51.10	64.60	RHYvl Lapilli tuff 51.1 - 64.6: Speckled texture with biotite/chlorite in and out <<Min: 51.1 - 178 0.1% Min: Calcite>> trace/localized occurances <<Min: 54 - 68.2 0.25% Min: Pyrrhotite>> <<Min: 57 - 71 15% Min: Ankerite>> <<Min: 57 - 115 0.5% Min: Pyrite>>									
64.60	68.10	RHYvl Lapilli tuff 64.6 - 68.1: Anomalous high abundance of Fe-carbonate (Ankerite)									
68.10	97.80	RHYvl Lapilli tuff 68.1 - 97.8: trace fine grained biotite/chlorite in selective lapilli <<Min: 68.2 - 105 0.5% Min: Pyrrhotite>> <<Min: 71 - 156.8 12% Min: Ankerite>> <<Min: 89.9 - 90.4 0.1% Min: Chalcopyrite>>									

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97.80	106.20	RHYvl Lapilli tuff 97.8 - 106.2: Interval has pervasive fine grained biotite/chlorite <<Min: 105 - 116 1% Min: Pyrrhotite>>									
106.20	112.50	RHYcw Curdy textured-flow banded (flows, subvolcanics) 106.2 - 112.5: Interval has pervasive fine grained biotite/chlorite <<Alt: 108.5 - 160 Weak (Alt) Muscovite>>									
112.50	134.60	RHYvl Lapilli tuff 112.5 - 134.6: Interval has pervasive fine grained biotite/chlorite <<Min: 115 - 132 0.25% Min: Pyrite>> <<Min: 116 - 194 0.25% Min: Pyrrhotite>>									
134.60	135.90	RHYcw Curdy textured-flow banded (flows, subvolcanics) 134.6 - 135.9: possible flow may be bxx tuff									
135.90	147.80	RHYvl Lapilli tuff 135.9 - 147.8: Interval has pervasive fine grained biotite/chlorite <<Min: 145 - 152 0.5% Min: Pyrite>>									
147.80	149.20	RHYcw Curdy textured-flow banded (flows, subvolcanics) 147.8 - 149.2: Interval has pervasive fine grained biotite/chlorite									
149.20	152.10	RHYvl Lapilli tuff 149.2 - 152.1: Interval has pervasive fine grained biotite/chlorite									
152.10	161.90	RHYvl Lapilli tuff 152.1 - 161.9: lapilli are dark and contain biotite, chlorite +/- Fe-carbonate <<Min: 156.8 - 203 5% Min: Ankerite>> <<Alt: 160 - 211 Weak-Moderate (Alt) Muscovite>>									

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From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Ag PPM	Au PPM	Cu %	Pb %	Zn %
161.90	171.90	MDS Rhyolite tuff dominant mudstone									
161.9 - 171.9: +/- coarse grained tuff, very weakly carbonaceous											
<<Min: 164.7 - 181 0.25% Min: Pyrite>>											
171.90	177.60	MDSw Coherent rhyolite flow with carbonaceous content									
177.60	211.10	MDS Rhyolite tuff dominant mudstone									
177.6 - 211.1: Interval mixed with crg. and lapilli tuff. Zne has been co-altered by sericite/muscovite and chloritic alteration, CL strong as CL bands, could this be an attenuated stocwork CL footwall alt. zone? Proportion of MDS increases down hole											
<<Min: 178 - 213.9 0.25% Min: Calcite>>											
<<Alt: 177.6 - 209 Moderate (Alt) Chlorite>>											
<<Alt: 209 - 211 Moderate-Strong (Alt) Chlorite>>											
<<Alt: 211 - 215 Intense (Alt) Chlorite>>											
211.10	213.90	MDS Rhyolite tuff dominant mudstone									FG
211.1 - 213.9: adjacent to CP stringer zone											
213.90	215.00	OJ Heavily disseminated sulphides in proximal altered rock									
213.9 - 215: ~15% CP net textured +/- foliation parallel											
<<Min: 213.9 - 215 2% Min: Sphalerite>>											
<<Min: 213.9 - 215 2% Min: Pyrrhotite>>											
<<Min: 213.9 - 215 15% Min: Chalcopyrite>>											
<<Min: 213.9 - 215 1% Min: Calcite>> CP/PO rich zone											
215.00	219.60	MAFi Mafic Intrusions (primarily footwall mafic intrusion)									
215 - 219.6: cacite is significant ~20% and occurs speckled and in thin - thick bands. +/- leucosite?											
<<Min: 215 - 230.4 8% Min: Calcite>>											
<<Alt: 215 - 229.7 Moderate (Alt) Chlorite>> not really proximal alteration. Chloritized											

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219.60	229.70	MAFi Mafic Intrusions (primarily footwall mafic intrusion)									
<p>219.6 - 229.7: pseudo lapilli texture (biotite clusters rimmed with chlorite) in sericite quartz groundmass. Calcite present in bands and isolated custers as well as peppering. Alteration at base of zone grades int RHYic</p> <p><<Min: 224 - 230.4 0.25% Min: Pyrite>></p> <p><<Min: 224 - 230.4 0.25% Min: Pyrrhotite>></p> <p><<Struc: 223.4 - 224.2 Fault>> 3 small fault gouge intervals <10cm each</p>											
229.70	230.40	MAFi Mafic Intrusions (primarily footwall mafic intrusion)									
<p><<Min: 229.7 - 230.4 0.25% Min: Ankerite>></p> <p><<Alt: 229.7 - 230.4 Weak (Alt) Silicification>></p> <p><<Alt: 229.7 - 230.4 Weak-Moderate (Alt) Muscovite>></p>											
End of Hole @ 230.4											