EQUITY | EXPLORATION CONSULTANTS LTD.

GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K98-194

Prospect:		Hole Type:	DD	Survey Type:	RTK DGPS	Logged By:	Jerome de Pasquale
Grid:	NAD83_Z9	Hole Diameter:	75.7	Survey By:	Challenger_Survey	Date Logging Start:	5/1/2016
UTM Easting	420336.919	Core Size:	NQ	Azimuth:	160	Date Logging Complete:	5/2/2016
UTM Northing:	6814626.854	Casing Pulled?:	No	Dip:	-60	Drill Company:	
UTM Elev. (m):	1314.318	Casing Depth (m):	15	Length (m):	95.7	Drill Rig:	
Local Easting:	10350	Stored?:	Yes	Claims Title		Drill Started:	8/22/1998
Local Northing:	4640	Cemented?:		Core Storage Loc.:	KZK Camp	Drill Completed:	8/24/1998
Local Elev. (m):	1314			Hole Completed?:		Purpose:	Exploration
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	-60	180		180	ACID				☑	
95.7	-65	180		180	ACID				☑	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

0.00 16.20 OVBN Overburden

16.20 22.80 RHYv Rhyolite volcaniclastic

16.2 - 22.8: Foliated, muscovite altered schist. QZ/CA vein. Some darker beds.

<<Min: 16.2 - 30.07 2% Min: Pyrrhotite>>

<<Alt: 16.2 - 30.07 Moderate-Strong Calcite>>

<<Alt: 22.3 - 30.07 Weak Chlorite>> Heterogeneous sediment. Alteration controlled by lithology.

<<Vein: 19.7 - 20.6 Quarzt-Chlorite-Carbonate>> Discontinuous QZ/CA vein containing CL

22.80 23.98 SED undifferentiated Sediment

22.8 - 23.98: Irregular band size, heterogeneous composition. Strongly foliated, CA in foliation. Locally felsic material (rhyolitic).

23.98 24.43 MAFt Mafic Volcaniclastics

23.98 - 24.43: Chlorite altered, fine grain homogeneous unit. CA in foliation.

24.43 30.07 SED undifferentiated Sediment

24.43 - 30.07: Thinly banded, heterogeneous composition including mafic material.

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

30.07 31.63 MAFi Mafic Intrusions (primarily footwall mafic intrusion)

30.07 - 31.63: Or MAFw. Chlorite altered, massive homogeneous unit, low BI content, CA content. Sharp upper contact, gradual lower contact.

<<Min: 30.07 - 31.63 1% Min: Pyrrhotite>>

<<Alt: 30.07 - 31.63 Weak-Moderate Chlorite>> Mafic dike.

<<Alt: 30.07 - 31.63 Weak Calcite>>

31.63 31.90 MAFt Mafic Volcaniclastics

31.63 - 31.9: Foliated mafic tuff, CA veining.

<<Min: 31.63 - 68 0.5% Min: Pyrrhotite>>

<<Alt: 31.63 - 57.2 Moderate-Strong Calcite>>

31.90 33.00 FLZ Fault Zone

31.9 - 33: Fault gouge and core loss.

<<Struc: 32.7 - 48.5 Weak-Moderate Fault>> Large broken zone. 2 set of fractures. Locally sheared and minor offset on micro fault (alpha angle 25).

33.00 35.58 MAFt Mafic Volcaniclastics

33 - 35.58: Foliated mafic tuff, CA veining.

35.58 38.75 MAFt Mafic Volcaniclastics

35.58 - 38.75: Mixed of mafic tuff and mudstone (60/40). Some argilitic siliceous bands. Thin foliation.

38.75 48.93 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

38.75 - 48.93: Dominantly siliceous mudstone. Strong CA veining. Foliated and fractured with minor MAFt beds. Two massive QZ veins (from 45.69 to 46.45 and from 47.46 to 47.75). Locally sheared.

<<Alt: 48.59 - 69.18 Moderate Silicification>> Locally strong. Silicification of mudstone and dikes. Lithology controlled.

<<Vein: 45.69 - 46.45 Quarzt-Chlorite-Carbonate>> QZ/CA massive vein containing mafic tuff.

<<Vein: 47.46 - 48.93 Quartz-Carbonate>> QZ/CA vein.

48.93 55.90 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

48.93 - 55.9: Siliceous mudstone. Few light grey band highly silicified (quartzite).

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

55.90 56.97 MAFt Mafic Volcaniclastics

55.9 - 56.97: Moderately foliated.

<<Struc: 56.77 - 57.96 Moderate-Strong Fault>> Strongly foliated, fault gouge, brittle.

56.97 57.36 FLZ Fault Zone

56.97 - 57.36: Fault gouge and weak shearing.

<<Alt: 57.2 - 92 Moderate Calcite>>

57.36 59.10 MAFt Mafic Volcaniclastics

57.36 - 59.1: Fine grain, few CA discontinuous veinlets.

59.10 60.50 MAFw mafic volcanic flows

59.1 - 60.5: Homogeneous, CL altered. BI/feldspar.

<<Alt: 59.1 - 60.56 Weak Chlorite>> Dike.

60.50 65.65 MAFt Mafic Volcaniclastics

60.5 - 65.65: Interbedded with mudstone, Some siliceous argillite weakly foliated beds. Fractured, locally faulted.

<<Struc: 63.6 - 63.9 Moderate Fault>> Fautl gouge and brittle.

<<Struc: 65 - 66.5 Moderate-Strong Fault>> Strongly fracture, powder and brittle.

65.65 67.31 MDSc Carbonaceous dominant mudstone

65.65 - 67.31: Strong CA veining in foliation. Locally sheared and faulted.

67.31 68.09 MAFt Mafic Volcaniclastics

67.31 - 68.09: Calcareous mafic tuff dominantly. Some mudstone interbedded.

<<Min: 68 - 95.7 1% Min: Pyrrhotite>> Seems to be more concentrated in the brownish, soft beds.

68.09 69.18 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

68.09 - 69.18: Some brown coarser grain beds, soft, 8 to 12 cm wide.

69.18 70.65 SED undifferentiated Sediment

69.18 - 70.65: Possibly felsic dike or metasandstone (quartzite). Light grey, homogeneous texture, SI/few BI.

<<Alt: 69.18 - 70.63 Strong Silicification>> Dike

<<Alt: 70.63 - 73.8 Moderate Silicification>>

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

70.65 73.80 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

70.65 - 73.8: Thinly foliated mudstone containing mafic tuff bands and QZ/CA veins.

73.80 74.59 SED undifferentiated Sediment

73.8 - 74.59: Possibly felsic dike. Highly siliceous unit (quartzite?), bleached. Chill margin at lower contact.

<<Alt: 73.8 - 74.58 Strong Silicification>> Dike.

74.59 76.59 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

74.59 - 76.59: CA banded.

<<Alt: 76.39 - 77.17 Weak-Moderate Chlorite>> Dike.

76.59 77.17 MAFi Mafic Intrusions (primarily footwall mafic intrusion)

76.59 - 77.17: CL altered. Silicified dike. Highly siliceous chill margins. Low BI content. CL concentrated in the middle of the unit. Similar contact than at 74.58. Possibly intermediate composition.

77.17 81.26 MDSc Carbonaceous dominant mudstone

77.17 - 81.26: Strong CA veining.

81.26 81.75 MAFi Mafic Intrusions (primarily footwall mafic intrusion)

81.26 - 81.75: Silicified dike. Granular texture in the middle of the unit. Brown, sofl, medium size grain bed at lower contact.

<<Alt: 81.26 - 81.75 Moderate Chlorite>> Dike

81.75 87.34 MDS Carbonaceous Mudstone & Tuffaceous Mudstone

81.75 - 87.34: Mudstone containing brown, soft, coarse grain beds (5 to 10 cm wide) and at lower contact. Thin foliation.

87.34 87.86 SED undifferentiated Sediment

87.34 - 87.86: Siliceous unit, quartzite? Crosscut by QZ vein. Homogeneous, QZ/BI, could be felsic dike.

<<Alt: 87.34 - 89 Moderate Silicification>>

<<Vein: 87.54 - 87.75 Quartz-Carbonate>> QZ/CA vein.

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

87.86 89.07 MAFi Mafic Intrusions (primarily footwall mafic intrusion)

87.86 - 89.07: Brown, silicified. CA veinlets set. fine grain biotite, homogeneous, BI/feldspar.

<<Vein: 88 - 89.07 Quartz-Carbonate 80 deg. >> QZ/CA veinlet set.

89.07 89.90 FLZ Fault Zone

89.07 - 89.9: Fault gouge (MAFt)

89.90 92.80 MAFt Mafic Volcaniclastics

89.9 - 92.8: Medium grain mafic tuff, CA in matrix and veining.

<<Alt: 92 - 95 Moderate-Strong Calcite>> And in matrix in tuff.

<<Struc: 89.9 - 91.7 Moderate-Strong Fault>> Fault gouge, core loss.

92.80 95.70 MAFi Mafic Intrusions (primarily footwall mafic intrusion)

92.8 - 95.7: CL/BI/feldspar unit. CL altered. CA veinlet set. Fine grain. Gradual contact on the last 10 cm with highly siliceous unit, quartzite?.

<<Alt: 95.51 - 95.7 Strong Silicification>>

End of Hole @ 95.7