EQUITY | EXPLORATION CONSULTANTS LTD.

GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K16-381

Prospect:	Infrastructure	Hole Type:	DD	Survey Type:	RTK DGPS	Logged By:	Ron Voordouw
Grid:	NAD83_Z9	Hole Diameter:	96	Survey By:	Challenger_Survey	Date Logging Start:	7/7/2016
UTM Easting	414976.017	Core Size:	HQ3	Azimuth:	360	Date Logging Complete:	7/9/2016
UTM Northing:	6814702.293	Casing Pulled?:	Yes	Dip:	-90	Drill Company:	Hytech
UTM Elev. (m):	1402.532	Casing Depth (m):	6	Length (m):	42.2	Drill Rig:	Tech 5000
Local Easting:		Stored?:	Yes	Claims Title		Drill Started:	7/4/2016
Local Northing:		Cemented?:	SP	Core Storage Loc.:	KZK Camp	Drill Completed:	7/5/2016
Local Elev. (m):				Hole Completed?:	Completed	Purpose:	Hydro
						Parent Hole:	

Comments:

This hole was drilled for the prupose of installing a deep monitoring well.

Drilling collared into 50 cm of semi-massive sulphide at 5.7 m depth, followed by volcaniclastic and coherent rhyolite from 5.7-28.2 m, volcaniclastic mudstone from 28.2-35.8 m and then more volcaniclastic rhyolite to the EOH at 42.2 m depth. Semi-massive sulphide consists mostly of pyrite. Notable alteration includes a short interval of strongly silicified mudstone as well as chlorite alteration at the bottom of the hole.

Knight Piésold conducted 5 SPT tests in overburden and 3 packer tests in bedrock, and then installed a monitoring well.

Downhole Surveys:

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-90	360	0	360	PLND-LiDAR	Knight Piésold	7/4/2016		☑	No survey done; drill rig simply placed on collar picket

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
0.00	**5.70**	**OVBN** **Overburden**									
5.70	**6.17**	**OI** **Heavilly disseminated sulphides in host schist**									
<<Min: 5.7 - 6.17 30% Min: Pyrite>>											
<<Alt: 5.7 - 17.04 Weak-Moderate Muscovite>> relict patches ranging from trace to moderate in intensity											
<<Alt: 5.7 - 42.2 Strong Muscovite>>											
<<Alt: 5.7 - 42.2 Moderate Ankerite>> occurs in wisps and clots											
6.17	**17.04**	**RHYv** **Rhyolite volcaniclastic**									
6.17 - 17.04: Includes ash-rich layers											
<<Min: 6.17 - 8 0.5% Min: Pyrite>>											
<<Min: 8 - 9.1 1% Min: Pyrrhotite>> in association with stronger QZ-CB alteration											

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

<<Min: 9.1 - 12.8 0.5% Min: Pyrrhotite>>

<<Min: 12.8 - 17.04 0.1% Min: Pyrite>>

<<Min: 12.8 - 17.04 0.1% Min: Pyrrhotite>>

<<Vein: 9.77 - 11.1 5% Quartz-Carbonate 60 deg. >> Massive aphaitic quartz +/- carbonate veins; 5 cm inTT

<<Vein: 14.17 - 14.61 5% Tourmaline 30 deg. >> Thin tournaline vieins that leak into host cleavage, creating stitch-like appearance

<<Struc: 8.8 - 8.8 Moderate Foliation>>

17.04 24.15 RHYc Rhyolite coherant volcanics

<<Min: 17.04 - 24.15 2% Min: Pyrite>> predominantly within foliation-parallel quartz-pyrite veins

<<Alt: 17.04 - 24.15 Moderate Muscovite>> better-preserved MU OR alteration in RHYc unit

<<Struc: 17.04 - 17.04 Contact>> FOL-parallel contact between RHYc and RHYv

<<Struc: 19.85 - 20.2 Strong Fault>>

<<Struc: 22.75 - 22.75 Moderate Foliation>>

24.15 28.21 RHYv Rhyolite volcaniclastic

<<Min: 24.15 - 28.21 0.5% Min: Pyrite>>

<<Min: 24.15 - 42.2 0.5% Min: Pyrrhotite>>

<<Alt: 24.15 - 42.2 Weak-Moderate Muscovite>> relict patches ranging from trace to moderate in intensity

<<Struc: 27.1 - 27.1 Weak-Moderate Foliation>>

28.21 35.84 MDSt Rhyolite tuff dominant mudstone

<<Min: 33.55 - 34.15 3% Min: Pyrite>> in foliation-parallel bands associated with carbonate

<<Alt: 32.85 - 35.84 Moderate-Strong Silicification>> band-like to clotty; ranges from strong to moderate

<<Struc: 31.5 - 31.5 Moderate >> lower angle fabric that cuts across predominant one

<<Struc: 33.75 - 33.75 Strong Foliation>> associated with strong silicification and pyrite mineralization

35.84 42.20 RHYv Rhyolite volcaniclastic

<<Alt: 40.55 - 42.2 Moderate Chlorite>> forms bands with quartz

<<Struc: 37.8 - 37.8 Weak-Moderate Foliation>>

End of Hole @ 42.2