EQUITY | EXPLORATION CONSULTANTS LTD.

GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K15-273

Prospect:	ABM	Hole Type:	DD	Survey Type:	RTK DGPS	Logged By:	Dillon Hume
Grid:	NAD83_Z9	Hole Diameter:	75.7	Survey By:	Challenger_Survey	Date Logging Start:	24-Sep-15
UTM Easting	415051.003	Core Size:	NQ3	Azimuth:	179.13	Date Logging Complete:	25-Sep-15
UTM Northing:	6815507.074	Casing Pulled?:	Yes	Dip:	-77	Drill Company:	Geotech
UTM Elev. (m):	1382.272	Casing Depth (m):	15	Length (m):	149	Drill Rig:	Hydracore
Local Easting:		Stored?:	Yes	Claims Title		Drill Started:	23-Sep-15
Local Northing:		Cemented?:	Yes	Core Storage Loc.:	KZK Camp	Drill Completed:	25-Sep-15
Local Elev. (m):						Purpose:	Resource/Met
Comments:						Parent Hole:	

K15-273 was drilled to confirm the resource intercept of historic hole K95-070. Metallurgical twin hole K15-275 was drilled to collect samples of MET3, MET8, and MET8 domains. Overburden was encountered to a depth of 14.7 m. The hanging wall stratigraphy (14.7-91.2 m) consists of mixed felsic volcanics with one carbonaceous horizon. Moderate to strong MU alteration is present from 50-91.2 m and is associated with disseminated CI porphyroblasts proximal to the MSXS. MSXS was encountered from 91.2-111.4 m, consisting of OG, OA, OB, OI, OC, and OJ ore types. The CL-CA-BI schist (MAFi) occurs from 111.4-117.3 m. MAFi is MU-altered proximal to the MSXS and has local CL+PO+CP stringer zones from 116.6-117 m. The lower contact of the MAFi is MU+SI altered from the later RHYi, which is encountered from 117.3-149 m (EOH).

Downhole Surveys:

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-77	179.13	0	179.13	APS	Dillon Hume	23-Sep-15		☑	
20	-75	161.2	22.5	183.7	ReflexEZS	Geotech	23-Sep-15	5852	☑	
50	-73.9	156.7	22.5	179.2	ReflexEZS	Geotech	23-Sep-15	5765	☑	
80	-73.4	162.4	22.5	184.9	ReflexEZS	Geotech	23-Sep-15	5606	☑	
110	-73	159.1	22.5	181.6	ReflexEZS	Geotech	24-Sep-15	6068	☑	
140	-73	359.9	22.5	22.4	ReflexEZS	Geotech	24-Sep-15	5204	☐	Values not accepted, low magnetic field
149	-72.8	167.9	22.5	190.4	ReflexEZS	Geotech	25-Sep-15	5780	☑	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Ag PPM	Au PPM	Cu %	Pb %	Zn %
0.00	**14.70**	**OVBN** **Overburden**									
14.70	**16.80**	**RHYcw** **Curdy textured-flow banded (flows, subvolcanics)**									

14.7 - 16.8: Good curdy rhyolite

<<Min: 14.7 - 41.1 2% Min: Pyrite>>

<<Min: 14.7 - 41.1 1% Min: Pyrrhotite>>

<<Min: 14.7 - 103 0.5% Min: Calcite>>

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Ag PPM	Au PPM	Cu %	Pb %	Zn %
16.80	**41.10**	**RHYvl** **Lapilli tuff**									
16.8 - 41.1: Unit dominated by felsic and PY lpl within a MU+QZ groundmass. Local coherent textures (curdy or flow banded).											
41.10	**44.10**	**MDSt** **Rhyolite tuff dominant mudstone**									
41.1 - 44.1: rhyolitic tuff with ~30% carbonaceous material											
<<Min: 41.1 - 44.1 5% Min: Pyrrhotite>>											
44.10	**50.00**	**RHYvl** **Lapilli tuff**									
44.1 - 50: rhyolitic and PY lpl within a MU+QZ groundmass											
<<Min: 44.1 - 90.2 2% Min: Pyrite>>											
<<Min: 44.1 - 90.2 2% Min: Pyrrhotite>>											
50.00	**91.20**	**RHYcw** **Curdy textured-flow banded (flows, subvolcanics)**	85.70	87.20	1.50	B00268842	-0.3	-0.005	-0.01	-0.01	-0.01
50 - 91.2: siliceous banding within a MU+QZ groundmass. Unit has flow banded texture. Strongly altered (obscuring the texture) from 86.2-91.2 m.											
<<Min: 90.2 - 91.2 5% Min: Pyrrhotite>>			87.20	88.70	1.50	B00268843	-0.3	0.01	-0.01	-0.01	0.02
<<Min: 90.2 - 91.2 3% Min: Chalcopyrite>>			88.70	90.20	1.50	B00268844	2.1	-0.005	-0.01	0.04	0.06
<<Alt: 50 - 76.5 Moderate (Alt) Muscovite>>			90.20	91.20	1.00	B00268845	20.7	0.048	0.52	0.03	0.17
<<Alt: 76.5 - 91.2 Strong (Alt) Muscovite>>											
<<Alt: 84 - 91.2 Weak (Alt) Chlorite>>											
<<Alt: 86.2 - 86.3 Moderate (Alt) Cordierite>>											
<<Alt: 90.2 - 90.9 Strong (Alt) Albite>>											
<<Alt: 90.7 - 91.2 Strong (Alt) Cordierite>>											
<<Struc: 63.1 - 63.7 Moderate (Alt) Fault>> moderately faulted with local fault gouge											
<<Struc: 83.01 - 83.02 dominant foliation>>											
91.20	**93.00**	**OG** **Chalcopyrite rich sulphides** **CG**	91.20	92.20	1.00	B00268846	240	4.51	12.2	0.05	2.53
91.2 - 93: CP+PO+PY net texture with cg disseminated MG. (CP ~40%)											
<<Min: 91.2 - 93 40% Min: Chalcopyrite>>			92.20	93.00	0.80	B00268847	265	2.52	10.7	0.09	2
<<Min: 91.2 - 100 10% Min: Pyrrhotite>>											

From (m)	To (m)		Rocktype & Description		From (m)	To (m)	Width	Sample	Ag PPM	Au PPM	Cu %	Pb %	Zn %
93.00	**97.80**	**OA**	**Magnetite bearing sulphides**	**MCG**	93.00	94.00	1.00	B00268848	115	1.09	3.27	0.18	4.46

93 - 97.8: Massive PY+PO+CP+MG. Locally the grain size is increased associated with bands of CL.

<<Min: 93 - 100 5% Min: Chalcopyrite>>

<<Struc: 94.1 - 94.11 dominant foliation>> sulphide lamination

<<Struc: 94.7 - 94.71 dominant foliation>> sulphide lamination

<<Struc: 97.6 - 97.61 dominant foliation>> sulphide lamination

					94.00	95.00	1.00	B00268849	220	1.86	4.18	0.37	3.04
					95.00	96.00	1.00	B00268852	161	2.07	5.14	0.3	1.56
					96.00	97.00	1.00	B00268853	140	2.04	4.51	0.21	2.35
					97.00	97.80	0.80	B00268854	112	1.65	3.93	0.09	1.45
97.80	**108.00**	**OB**	**Wispy laminate, fine buckshot textured, non-magnetite bearing sulphides**	**MCG**	97.80	98.80	1.00	B00268855	38.3	0.556	1.21	0.13	2.1

97.8 - 108: Unit grades from massive PY+/-MG+/-PO+/-CP+/-SP near the top to massive PY+SP+GL+CA near the bottom.

<<Min: 103 - 109.3 2% Min: Calcite>>

<<Min: 106.4 - 107.2 30% Min: Sphalerite>>

<<Min: 106.4 - 107.2 10% Min: Galena>>

					98.80	99.80	1.00	B00268856	79.6	0.881	1.67	0.45	1.67
					99.80	100.80	1.00	B00268857	69.3	0.528	0.63	0.63	1.26
					100.80	101.80	1.00	B00268858	50.3	0.553	0.65	0.3	1.21
					101.80	102.60	0.80	B00268859	47.8	0.626	0.74	0.22	2.25
					102.60	103.50	0.90	B00268861	78.9	0.723	0.41	0.95	2.2
					103.50	104.40	0.90	B00268862	93.4	1.44	0.29	0.69	5.59
					104.40	105.40	1.00	B00268863	148	2.77	0.36	1.2	6.2
					105.40	106.40	1.00	B00268864	46.9	1.39	0.14	0.74	5.59
					106.40	107.20	0.80	B00268865	340	2.3	0.45	5.75	15.5
					107.20	108.00	0.80	B00268866	300	2.64	0.75	2.14	6.98
108.00	**108.70**	**OI**	**Heavilly disseminated sulphides in host schist**		108.00	108.70	0.70	B00268867	101	1.13	0.29	0.37	1.94

108 - 108.7: Heavily disseminated PY+SP+GL within intensely altered Mu schist

<<Alt: 108 - 108.7 Intense (Alt) Muscovite>>

108.70	**109.30**	**OB**	**Wispy laminate, fine buckshot textured, non-magnetite bearing sulphides**	**MCG**	108.70	109.30	0.60	B00268868	184	0.427	0.17	4.46	15.2

108.7 - 109.3: laminated PY+SP+GL with cg PY buckshot texture

<<Min: 108.7 - 109.3 20% Min: Sphalerite>>

<<Min: 108.7 - 109.3 5% Min: Galena>>

<<Struc: 108.85 - 108.86 dominant foliation>> sulphide lamination

From (m)	To (m)		Rocktype & Description	From (m)	To (m)	Width	Sample	Ag PPM	Au PPM	Cu %	Pb %	Zn %
109.30	**109.90**	**OC**	**Chalcopyrite-pyrrhotite net textured sulphides**	109.30	109.90	0.60	B00268869	137	2.58	1.04	2.6	8.52
109.3 - 109.9: Massive PO net textured with blebs of CP+/-AS+/-TT with disseminated cg MG												
<<Min: 109.3 - 109.9 60% Min: Pyrrhotite>>												
<<Min: 109.3 - 109.9 5% Min: Chalcopyrite>>												
<<Min: 109.3 - 109.9 5% Min: Arsenopyrite>>												
<<Alt: 109.6 - 111.4 Moderate (Alt) Chlorite>>												
109.90	**111.40**	**OJ**	**Heavilly disseminated sulphides in proximal altered rock**	109.90	110.80	0.90	B00268872	12.4	-0.005	0.08	0.23	1.38
109.9 - 111.4: Dark green-black CL+Talc (?) schist with stringers of PY+SP+/-GL												
				110.80	111.40	0.60	B00268873	29.7	0.013	0.14	0.81	4.33
111.40	**117.30**	**MAFi**	**Mafic Intrusions (primarily footwall mafic intrusion)**	111.40	112.90	1.50	B00268874	1.9	0.008	0.02	0.09	0.2
111.4 - 117.3: CL+CA+BI schist with pervasive foliation												
<<Min: 111.4 - 116.6 0.5% Min: Pyrrhotite>>				112.90	114.40	1.50	B00268875	0.5	-0.005	-0.01	-0.01	0.02
<<Min: 111.4 - 117.3 20% Min: Calcite>>				114.40	115.90	1.50	B00268876	0.3	-0.005	-0.01	-0.01	0.02
<<Min: 116.6 - 117.1 5% Min: Pyrrhotite>>				115.90	116.60	0.70	B00268877	-0.3	-0.005	-0.01	0.02	0.05
<<Min: 116.6 - 117.1 3% Min: Chalcopyrite>>				116.60	117.00	0.40	B00268878	13.6	0.071	0.89	0.01	0.31
<<Min: 117.1 - 149 1% Min: Sphalerite>>				117.00	118.50	1.50	B00268879	4.2	0.015	-0.01	0.08	0.11
<<Min: 117.1 - 149 2% Min: Pyrite>>												
<<Alt: 111.4 - 111.7 Moderate (Alt) Muscovite>>												
<<Alt: 111.7 - 117 Strong (Alt) Chlorite>>												
<<Alt: 111.7 - 117 Strong (Alt) Biotite>>												
<<Alt: 116.6 - 117 Strong (Alt) Chlorite>> Bands of intense CL-alteration associated with PO+CP mineralization												
<<Alt: 117 - 117.3 Strong (Alt) Silicification>> alteration associated with RHYi												
<<Alt: 117 - 117.3 Strong (Alt) Muscovite>> alteration associated with RHYi												
<<Struc: 113.1 - 113.11 dominant foliation>> continuous foliation defined by elongated CA+CL+BI												
117.30	**149.00**	**RHYi**	**Aphanitic Rhyolite (intrusion)**	118.50	120.00	1.50	B00268881	6.7	0.042	-0.01	0.04	0.09
117.3 - 149: Light grey QZ+MU schist with continuous MU foliation from 117.3- ~125 m. From 125-149 m the unit is a light grey massive aphanitic rhyolite, with QZ amygdules. Fractures containing PY+SP throughout the unit.												

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

<<Min: 117.3 - 149 5% Min: Calcite>>

<<Vein: 127.5 - 127.7 90% Quartz>> Massive QZ-carb vein with cg recrystallized SP

<<Vein: 133.4 - 133.9 95% Quartz>> Massive QZ vein

<<Struc: 118 - 118.01 dominant foliation>> continuous MU foliation

<<Struc: 124.4 - 124.41 dominant foliation>> continuous MU foliation

End of Hole @ 149