

GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K95-167

Prospect:	GP4F	Hole Type:	DD	Survey Type:		Logged By:	Rob Duncan	
Grid:	NAD83_Z9	Hole Diameter:	75.7	Survey By:		Date Logging Start:	4/18/2016	
UTM Easting	419466	Core Size:	NQ	Azimuth:	180	Date Logging Complete:	4/18/2016	
UTM Northing:	6813328	Casing Pulled?:		Dip:	-70	Drill Company:		
UTM Elev. (m):	1342	Casing Depth (m):		Length (m):	108.2	Drill Rig:		
Local Easting:	9450	Stored?:	Yes	Claims Title	KZK	Drill Started:		
Local Northing:	3200	Cemented?:		Core Storage Loc.:	KZK Camp	Drill Completed:		
Local Elev. (m):	3200			Hole Completed?:		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	-70	180		180	SS				<input checked="" type="checkbox"/>	
108	-70	180		180	SS				<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
0.00	18.30	OVBN Overburden									
18.30	24.00	RHYvx Quartz and/or feldspar crystal tuff									
18.3 - 24: variable lapilli size and biotite content in groundmass											
24.00	24.80	RHYc Rhyolite coherent volcanics									
24 - 24.8: margins are brecciated, like autobreccia at top and bottom of flow. Massive in centre. Could be intrusive. Not glassy like RHYi											
24.80	30.30	RHYvi Lapilli tuff									
24.8 - 30.3: same as 18.3 - 24.8											
30.30	30.60	PEL Equigranular biotite + calcite +/- quartz rock									
30.3 - 30.6: biotite rich, calcareous, gradational contact. Box missing downhole											
30.60	37.80	No Core No Core									
<<Struc: 37 - 42 Trace Fault>> broken core											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
37.80	41.00	RHYcf Feldspar & feldspar quartz porphyry									
<p>37.8 - 41: auto brecciated rhyolite flow. Low strain zone. Biotite matrix between bx fragments. Jigsaw texture. Hyaloclastite?</p> <p><<Min: 37.8 - 40.7 1% Min: Pyrite>></p> <p><<Min: 37.8 - 40.7 0.01% Min: Pyrrhotite>></p>											
41.00	41.60	PEL Equigranular biotite + calcite +/- quartz rock	FMG								
<p>41 - 41.6: biotite calcite sharp contacts</p> <p><<Alt: 41 - 41.6 Moderate Calcite>></p>											
41.60	46.50	RHYvl Lapilli tuff	MG								
<p>41.6 - 46.5: variable grain size lapilli tuff. Looks derived from auto brecciation flow units above and below. Short sections over 10cm exhibit jigsaw brx pattern.</p> <p><<Min: 41.6 - 66.1 2% Min: Pyrite>></p> <p><<Min: 41.6 - 66.1 0.01% Min: Pyrrhotite>></p>											
46.50	47.90	RHYc Rhyolite coherant volcanics									
<p>46.5 - 47.9: sameas37.8 - 41</p>											
47.90	50.60	RHYvl Lapilli tuff	MG								
<p>47.9 - 50.6: same as 41.6 - 46.5</p>											
50.60	66.00	RHYc Rhyolite coherant volcanics									
<p>50.6 - 66: as above, un brecciated, more massive 53 - 60m</p> <p><<Vein: 58.3 - 58.6 65% Quartz 30 deg. >></p>											
66.00	67.00	PEL Equigranular biotite + calcite +/- quartz rock	brown	FMG							
<p>66 - 67: biotite dominant, minor carbonate. Could be meta-pelite-rare QE.</p> <p><<Alt: 66 - 67 Moderate Calcite>></p>											
67.00	68.00	RHYvl Lapilli tuff									
<p>67 - 68: siliceous, near white, bleached lapilli</p> <p><<Alt: 67 - 68 Weak-Moderate Silicification>></p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
68.00	76.00	RHYvx Quartz and/or feldspar crystal tuff									
68 - 76: rare qtz and feldspar xtals inbt matrix lapilli tuff											
<<Struc: 75.7 - 75.9 Weak-Moderate Fault>> gouge zone											
76.00	77.60	RHYcf Feldspar & feldspar quartz porphyry									
76 - 77.6: quite massive, possible RHYvx											
77.60	79.00	PEL Equigranular biotite + calcite +/- quartz rock									
77.6 - 79: biotite - calcite. These are all possible meta-pelite											
<<Alt: 77.6 - 79 Moderate Calcite>>											
79.00	81.70	RHYv Rhyolite volcanoclastic									
79 - 81.7: felsic rock, weak MU alteration; pseudo-fragmental texture? Could be RHYva or RHYc											
<<Min: 81 - 84 0.5% Min: Pyrrhotite>>											
<<Alt: 79 - 81.5 Weak Muscovite>> weak											
81.70	83.10	PEL Equigranular biotite + calcite +/- quartz rock									
81.7 - 83.1: as above											
<<Alt: 81.7 - 83.1 Moderate Calcite>>											
83.10	87.90	RHYv Rhyolite volcanoclastic									
83.1 - 87.9: as above											
<<Min: 87 - 91 0.01% Min: Pyrite>>											
<<Alt: 83.1 - 88 Trace Muscovite>>											
<<Struc: 87.8 - 88.1 Trace Fault>> broken core gouge											
87.90	90.20	PEL Equigranular biotite + calcite +/- quartz rock									
87.9 - 90.2: same composition as MAFi above, but gradational intercalated contacts. Suggests Mafi above may be sediments also.											
<<Alt: 87.9 - 90.2 Moderate-Strong Calcite>> and pervasive in groundmass											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
90.20	91.50	RHYvl Lapilli tuff									
91.50	93.60	PEL Equigranular biotite + calcite +/- quartz rock									
91.5 - 93.6: as above											
<<Alt: 91.5 - 93.6 Moderate Calcite>>											
<<Struc: 92 - 92.2 Trace Fault>> broken core, gouge											
93.60	101.80	RHYvl Lapilli tuff									
93.6 - 101.8: possible feldspar crystals											
<<Min: 96 - 108 1% Min: Pyrite>>											
<<Alt: 95 - 101 Weak Muscovite>>											
<<Alt: 100 - 101.8 Weak-Moderate Silicification>>											
101.80	102.30	PEL Equigranular biotite + calcite +/- quartz rock									
101.8 - 102.3: gradational upper and lower contact, possible meta-pelite.											
<<Alt: 101.8 - 102.3 Moderate Calcite>>											
102.30	108.20	RHYcf Feldspar & feldspar quartz porphyry									
<<Vein: 105.3 - 105.7 80% Quartz 65 deg. >>											
End of Hole @ 108.2											