

GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K16-414

Prospect:	Sebesi	Hole Type:	DD	Survey Type:	PLND-LiDAR	Logged By:	Roger Hulstein
Grid:	NAD83_Z9	Hole Diameter:	96	Survey By:	Roger Hulstein	Date Logging Start:	8/16/2016
UTM Easting:	415800	Core Size:	HQ3	Azimuth:	245	Date Logging Complete:	8/25/2016
UTM Northing:	6815170	Casing Pulled?:	Yes	Dip:	-65	Drill Company:	New Age
UTM Elev. (m):	1595	Casing Depth (m):	4.5	Length (m):	342.25	Drill Rig:	Zinex A5
Local Easting:		Stored?:	Yes	Claims Title:		Drill Started:	8/15/2016
Local Northing:		Cemented?:	Yes	Core Storage Loc.:	KZK Camp	Drill Completed:	8/21/2016
Local Elev. (m):				Hole Completed?:	Abandoned	Purpose:	Exploration
Comments:						Parent Hole:	

Exploration and down hole geophysical (EM) drillhole K16-414 was abandoned at 342.25m due to excessive deviation. A new hole, K16-414W1 was then wedged off at 266.50m in an ultimately unsuccessful attempt to correct the azimuth. K16-414W1 was abandoned at 285.00m due to excessive deviation. No geophysical survey was carried out on either hole.

Downhole Surveys:

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-65	243.6	1.4	245	TN14	Roger Hulstein	8/15/2016		<input checked="" type="checkbox"/>	
15	-64.6	221.3	22.1	243.4	ReflexEZS	New Age	8/15/2016	5827	<input checked="" type="checkbox"/>	
42	-65.8	222.7	22.1	244.8	ReflexEZS	New Age	8/16/2016	5750	<input checked="" type="checkbox"/>	
69	-66.4	220.1	22.1	242.2	ReflexEZS	New Age	8/16/2016	5790	<input checked="" type="checkbox"/>	
93	-66.5	218.6	22.1	240.7	ReflexEZS	New Age	8/16/2016	5783	<input checked="" type="checkbox"/>	
114	-66.9	218	22.1	240.1	ReflexEZS	New Age	8/17/2016	5735	<input checked="" type="checkbox"/>	
144	-67.5	217.8	22.1	239.9	ReflexEZS	New Age	8/17/2016	5808	<input checked="" type="checkbox"/>	
171	-67.7	217.3	22.1	239.4	ReflexEZS	New Age	8/18/2016	5796	<input checked="" type="checkbox"/>	
192	-68	216.1	22.1	238.2	ReflexEZS	New Age	8/18/2016	5791	<input checked="" type="checkbox"/>	
216	-68.5	215.4	22.1	237.5	ReflexEZS	New Age	8/18/2016	5797	<input checked="" type="checkbox"/>	
243	-68.7	214.5	22.1	236.6	ReflexEZS	New Age	8/19/2016	5790	<input checked="" type="checkbox"/>	
267	-69.7	213.4	22.1	235.5	ReflexEZS	New Age	8/19/2016	5775	<input checked="" type="checkbox"/>	
291	-70.2	212.2	22.1	234.3	ReflexEZS	New Age	8/20/2016	5782	<input checked="" type="checkbox"/>	
327	-70.3	209.3	22.1	231.4	ReflexEZS	New Age	8/20/2016	5788	<input checked="" type="checkbox"/>	
339	-70.2	209.2	22.1	231.3	ReflexEZS	New Age	8/20/2016	5787	<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	4.50	OVBN Overburden									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
4.50	8.40	MDS Carbonaceous Mudstone & Tuffaceous Mudstone 4.5 - 8.4: core rubble, mostly qtz-calcite veining recovered <<Min: 4.5 - 11.25 1% Min: Pyrite>> <<Alt: 4.5 - 8 Moderate Calcite>> calcite mostly in qtz-calcite veining <<Alt: 8 - 13 Moderate-Strong Calcite>> bands, blebs and diss <<Vein: 4.5 - 8 70% Quartz-Carbonate>> poor core recovery in zone <<Struc: 7.5 - 9.4 Moderate-Strong Fault>>									
8.40	12.85	MAFt Mafic Volcaniclastics 8.4 - 12.85: weak carbonaceous & calcite rich section 11.72-12.16m. <<Min: 11.25 - 39 1% Min: Pyrrhotite>> <<Min: 11.25 - 41.6 0.5% Min: Pyrite>> <<Struc: 10.4 - 10.7 Weak-Moderate Fault>> <<Struc: 11.5 - 11.8 Moderate-Strong dominant foliation>> <<Struc: 12 - 12.3 Weak-Moderate Fault>>									
12.85	14.60	MDS Carbonaceous Mudstone & Tuffaceous Mudstone <<Alt: 13 - 22.4 Weak-Moderate Calcite>> bands, blebs, diss <<Struc: 12.85 - 14.1 Moderate-Strong Fault>> missing core									
14.60	15.46	MAFt Mafic Volcaniclastics <<Vein: 14.8 - 17.8 35% Quartz-Chlorite-Carbonate>>									
15.46	18.83	MDS Carbonaceous Mudstone & Tuffaceous Mudstone <<Alt: 18 - 18.8 Weak-Moderate Silicification>> <<Struc: 16 - 18 Strong Fault>> broken and missing core									
18.83	40.90	MAFta Coarse grained to ash tuff 18.83 - 40.9: 40.20-40.90: weak increase in carbonaceous wisps. <<Min: 33 - 332 1% Min: Pyrite>> <<Min: 39 - 41.6 3% Min: Pyrrhotite>> <<Alt: 22.4 - 51.7 Moderate-Strong Calcite>> bands, blebs, diss <<Vein: 19.1 - 19.2 100% Quartz>>									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p><<Vein: 26.5 - 27.4 10% Quartz-Carbonate>> <<Struc: 18.83 - 22.5 Strong Fault>> broken and missing core, gouge <<Struc: 27 - 27.7 Moderate Fault>> broken core <<Struc: 28.3 - 29 Moderate-Strong dominant foliation>> <<Struc: 29.65 - 31.4 Moderate Fault>> zones of missing core and minor gouge <<Struc: 31.4 - 35.8 Weak Fault>> zones of missing core and minor gouge <<Struc: 35.92 - 36.1 Moderate-Strong dominant foliation>> <<Struc: 38.5 - 39 Moderate-Strong dominant foliation>> 40.90 41.88 MDS Carbonaceous Mudstone & Tuffaceous Mudstone <<Min: 41.6 - 54 1% Min: Pyrrhotite>> <<Min: 41.6 - 56.87 0.5% Min: Pyrite>> patchy <<Struc: 41.6 - 43.8 Trace Fault>> zones of missing core and minor gouge 41.88 46.84 MAFTA Coarse grained to ash tuff 41.88 - 46.84: minor carbonaceous bands <<Vein: 46.7 - 47 50% Quartz-Chlorite-Carbonate>> <<Struc: 45 - 45.5 Moderate-Strong dominant foliation>> 46.84 48.00 MDS Carbonaceous Mudstone & Tuffaceous Mudstone <<Struc: 47 - 48 Moderate Fault>> broken and missing core 48.00 56.30 MAFT Mafic Volcaniclastics 48 - 56.3: 49.60-49.76: banded-blebby siliceous zone, similar to zone noted in K16-413 at about same depth. <<Alt: 51.7 - 56.3 Moderate Calcite>> bands, blebs, diss 56.30 56.60 MDS Carbonaceous Mudstone & Tuffaceous Mudstone <<Alt: 56.3 - 58 Weak-Moderate Calcite>> bands, blebs, diss <<Alt: 56.3 - 62.88 Moderate Silicification>> 56.60 56.87 MAFT Mafic Volcaniclastics 56.87 57.48 MDS Carbonaceous Mudstone & Tuffaceous Mudstone <<Min: 56.87 - 62.88 3% Min: Pyrite>> occasional blebs and bands Py <<Struc: 56.87 - 57.15 Moderate-Strong dominant foliation>></p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
57.48	57.93	MAFt Mafic Volcaniclastics									
57.93	62.88	MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
<<Alt: 58 - 62.88 Weak Calcite>> bands, blebs, diss <<Vein: 60.77 - 60.86 100% Quartz-Carbonate>> <<Struc: 61.3 - 62.88 Weak-Moderate Fault>> brittle fractures, minor gouge on folia.											
62.88	64.00	MAFt Mafic Volcaniclastics									
<<Min: 62.88 - 65.32 1% Min: Pyrite>> <<Alt: 62.88 - 64 Moderate Calcite>>											
64.00	64.65	MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
<<Alt: 64 - 66 Moderate Silicification>> <<Alt: 64 - 69.1 Weak Calcite>>											
64.65	65.32	MAFt Mafic Volcaniclastics									
65.32	66.70	MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
<<Min: 65.32 - 69.1 3% Min: Pyrite>> <<Vein: 66 - 66.33 100% Quartz-Carbonate>> <<Struc: 66.38 - 69.1 Moderate Fault>> brittle fractures, minor gouge on folia, missing core.											
66.70	67.30	MAFi Mafic Intrusions (primarily footwall mafic intrusion)									
<<Struc: 67 - 67.3 Moderate-Strong dominant foliation>>											
67.30	69.10	MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
<<Alt: 67.3 - 69.1 Moderate Silicification>>											
69.10	73.51	MAFt Mafic Volcaniclastics									
<<Min: 69.1 - 73.51 1% Min: Pyrite>> <<Min: 69.1 - 73.51 0.5% Min: Pyrrhotite>> <<Alt: 69.1 - 75.2 Weak-Moderate Calcite>>											
73.51	85.00	MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
73.51 - 85: 81.60-83.65m: more MAFta bands											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p><<Min: 73.51 - 81.6 1% Min: Pyrite>> <<Min: 75.6 - 75.6 0.1% Min: Chalcopyrite>> in qtz bleb or clast in siliceous mudstone unit. <<Min: 81.6 - 89.5 0.5% Min: Pyrite>> <<Min: 81.6 - 89.5 3% Min: Pyrrhotite>> <<Alt: 74.4 - 76.6 Weak-Moderate Silicification>> <<Alt: 75.2 - 84.6 Weak Calcite>> <<Alt: 76.6 - 81.4 Moderate-Strong Silicification>> <<Alt: 84.6 - 94 Weak-Moderate Calcite>> <<Vein: 73.56 - 79.8 25% Quartz-Carbonate>> <<Struc: 73.51 - 83.1 Weak Fault>> brittle fractures, minor gouge on folia. <<Struc: 75.1 - 75.3 Moderate-Strong dominant foliation>> <<Struc: 83.25 - 83.8 Weak dominant foliation>></p> <p>85.00 86.58 MAFta Coarse grained to ash tuff 85 - 86.58: very minor carbonaceous bands</p> <p><<Struc: 85 - 92.62 Trace Fault>> brittle fractures, minor gouge on folia.</p> <p>86.58 87.28 MDS Carbonaceous Mudstone & Tuffaceous Mudstone</p> <p>87.28 89.35 MAFta Coarse grained to ash tuff</p> <p>89.35 91.15 MDS Carbonaceous Mudstone & Tuffaceous Mudstone</p> <p><<Min: 89.5 - 92.62 0.5% Min: Pyrrhotite>> <<Min: 89.5 - 97 3% Min: Pyrite>> <<Struc: 91 - 92.6 Moderate-Strong dominant foliation>></p> <p>91.15 92.62 MAFta Coarse grained to ash tuff <<Vein: 92.28 - 94.45 8% Quartz-Carbonate>></p> <p>92.62 97.10 MDS Carbonaceous Mudstone & Tuffaceous Mudstone 92.62 - 97.1: very minor ash bands</p> <p><<Min: 97 - 127.4 2% Min: Pyrrhotite>> <<Alt: 94 - 96.2 Weak Calcite>> <<Alt: 94.8 - 96.2 Moderate-Strong Silicification>> <<Alt: 96.2 - 159 Moderate-Strong Calcite>></p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p><<Struc: 92.62 - 95.8 Weak-Moderate Fault>> brittle fractures, minor gouge on folia.</p> <p>97.10 104.85 MAFta Coarse grained to ash tuff</p> <p>97.1 - 104.85: looks like an epiclastic...</p> <p><<Vein: 97.1 - 105.8 8% Quartz-Carbonate>></p> <p><<Struc: 101.38 - 102 Moderate dominant foliation>></p> <p><<Struc: 104.7 - 105 Moderate dominant foliation>></p> <p>104.85 105.50 MDS Carbonaceous Mudstone & Tuffaceous Mudstone</p> <p>104.85 - 105.5: ash rich</p> <p>105.50 114.67 MAFta Coarse grained to ash tuff</p> <p><<Vein: 113 - 122.92 5% Quartz-Carbonate>></p> <p><<Struc: 105.5 - 107 Weak Fault>> folia parallel gouge</p> <p>114.67 118.45 MAFta Coarse grained to ash tuff</p> <p>118.45 121.00 MDS Carbonaceous Mudstone & Tuffaceous Mudstone</p> <p>118.45 - 121: minor ash</p> <p><<Struc: 119.25 - 229.8 Weak-Moderate Fault>> broken core, minor gouge</p> <p><<Struc: 120 - 120.5 Weak-Moderate dominant foliation>></p> <p>121.00 122.92 MAFta Coarse grained to ash tuff</p> <p><<Struc: 121 - 121.3 Moderate dominant foliation>></p> <p>122.92 126.00 MDS Carbonaceous Mudstone & Tuffaceous Mudstone</p> <p><<Struc: 125 - 125.22 Moderate Fault>> broken core, minor gouge</p> <p>126.00 127.40 MAFta Coarse grained to ash tuff</p> <p><<Min: 126 - 129 2% Min: Pyrite>></p> <p>127.40 139.38 MDS Carbonaceous Mudstone & Tuffaceous Mudstone</p> <p>127.4 - 139.38: numerous lenses and blebs of fine grained grey 'limestone'</p> <p><<Min: 129 - 132.5 3% Min: Pyrite>> and as mm bands and diss</p> <p><<Min: 132.5 - 137.5 3% Min: Pyrrhotite>></p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
		<<Min: 132.5 - 150.04 1% Min: Pyrite>> and in fractures									
		<<Struc: 128.47 - 129 Moderate Fault>> broken core, minor gouge									
		<<Struc: 134.5 - 134.8 Moderate Fault>> broken core, minor gouge									
		<<Struc: 135 - 135.4 Moderate-Strong dominant foliation>>									
		139.38 140.80 MAFTA Coarse grained to ash tuff									
		<<Struc: 139.38 - 139.8 Moderate Fault>> gouge zones									
		140.80 146.78 MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
		<<Min: 143.6 - 145.7 2% Min: Pyrrhotite>> and as diss									
		<<Struc: 143.5 - 144 Moderate-Strong dominant foliation>>									
		<<Struc: 145.75 - 146.2 Moderate Fault>> broken core, minor gouge									
		146.78 151.01 MAFTA Coarse grained to ash tuff									
		<<Min: 150.04 - 150.1 25% Min: Pyrite>> pyritic band									
		<<Min: 150.1 - 151.01 1% Min: Pyrite>>									
		<<Min: 150.1 - 151.01 0.5% Min: Pyrrhotite>>									
		151.01 161.34 MAFT Mafic Volcaniclastics									
		151.01 - 161.34: ash rich below 159.60m.									
		<<Min: 159.9 - 166.87 1% Min: Pyrite>> and as mm bands, blebs and in qtz vein									
		<<Min: 160.6 - 164.4 1% Min: Pyrrhotite>> and in qtz vein									
		<<Alt: 159 - 166.87 Weak-Moderate Calcite>>									
		<<Vein: 151.01 - 158 15% Quartz-Carbonate>>									
		<<Vein: 158 - 160.35 10% Quartz-Carbonate>>									
		<<Vein: 160.35 - 161.34 60% Quartz-Chlorite-Carbonate>>									
		<<Struc: 153 - 157.5 Moderate Fault>> broken core, minor gouge, missing core									
		161.34 166.87 MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
		<<Alt: 162 - 166.87 Weak-Moderate Silicification>>									
		<<Struc: 161.35 - 162 Moderate dominant foliation>>									
		<<Struc: 162.24 - 165.3 Weak Fault>> (2) six cm gougy zones									
		166.87 173.90 MAFTA Coarse grained to ash tuff									
		166.87 - 173.9: soupy folds									
		<<Min: 166.87 - 173.3 0.5% Min: Pyrrhotite>>									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
		<p><<Min: 173.3 - 182.65 1% Min: Pyrite>> and as blebs and as folia <<Min: 173.55 - 173.65 1% Min: Sulphosalts>> or fine grained galena? <<Alt: 166.87 - 173.9 Moderate Calcite>> bands, blebs, diss <<Vein: 170.35 - 175.53 30% Quartz-Carbonate>> <<Struc: 169 - 169.4 Moderate dominant foliation>></p> <p>173.90 182.65 MDS Carbonaceous Mudstone & Tuffaceous Mudstone</p> <p>173.9 - 182.65: contorted folding, gougy zones</p> <p><<Alt: 173.9 - 182.65 Moderate-Strong Calcite>> <<Vein: 176 - 178.4 5% Quartz-Carbonate>> <<Struc: 175.7 - 179.4 Moderate-Strong Fault>> broken, gougy, sheared, contorted folding. <<Struc: 179.4 - 190 Moderate dominant foliation>></p> <p>182.65 184.76 MAFta Coarse grained to ash tuff</p> <p>182.65 - 184.76: sandy</p> <p><<Min: 182.65 - 184.76 1% Min: Pyrite>> <<Min: 184.65 - 185.75 0.5% Min: Pyrrhotite>> <<Alt: 182.65 - 184.76 Moderate-Strong Calcite>></p> <p>184.76 191.20 MDS Carbonaceous Mudstone & Tuffaceous Mudstone</p> <p>184.76 - 191.2: local contorted folding.</p> <p><<Min: 184.76 - 190.9 1% Min: Pyrite>> <<Min: 185.65 - 185.75 1% Min: Chalcocopyrite>> <<Min: 190.9 - 192.7 1% Min: Pyrrhotite>> <<Min: 190.9 - 193.35 3% Min: Pyrite>> <<Alt: 184.76 - 193.35 Moderate-Strong Calcite>> <<Struc: 185 - 186.7 Weak-Moderate Fault>> broken core, minor gouge, missing core <<Struc: 186.1 - 186.25 Moderate >> Axial plane of minor fod <<Struc: 187.75 - 193.35 Weak Fault>> clay gouge on folia, local crushed and gouge zones, broken core</p> <p>191.20 192.67 MAFta Coarse grained to ash tuff</p> <p><<Vein: 191.2 - 192.3 10% Quartz-Carbonate>> <<Struc: 192 - 194 Moderate dominant foliation>></p>									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
192.67	193.35	MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
193.35	197.70	MAFta Coarse grained to ash tuff									
<<Min: 193.35 - 197.7 0.5% Min: Pyrite>> <<Alt: 193.35 - 201 Moderate-Strong Calcite>> <<Vein: 194.58 - 197.35 5% Quartz-Carbonate>>											
197.70	219.65	MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
197.7 - 219.65: minor bands and lenses of grey 'limestone'. 199.60-199.90m: MAFta band. <<Min: 197.7 - 219.65 1% Min: Pyrite>> <<Min: 200.6 - 204.4 0.5% Min: Pyrrhotite>> <<Alt: 201 - 219.65 Moderate-Strong Calcite>> bands, blebs, diss <<Vein: 203 - 205.9 10% Quartz-Carbonate>> <<Vein: 209.1 - 211.35 15% Quartz-Carbonate>> <<Vein: 213.8 - 216.65 10% Quartz-Carbonate>> <<Vein: 216.65 - 225.25 5% Quartz-Carbonate>> <<Struc: 199.9 - 203 Moderate-Strong dominant foliation>> <<Struc: 202.8 - 226.9 Weak Fault>> <<Struc: 214 - 216 Moderate dominant foliation>>											
219.65	225.25	MAFta Coarse grained to ash tuff									
<<Min: 219.65 - 223 0.01% Min: Sulphosalts>> questionable - fine grained grey sulfide. <<Min: 219.65 - 223 3% Min: Pyrite>> blebs and veinlets with calcite-qtz-fuchsite alt <<Min: 223 - 230 1% Min: Pyrite>> <<Alt: 219.65 - 224.35 Moderate Muscovite>> not muscovite but Cr-mica, fuchsite - mariposite <<Alt: 219.65 - 228.28 Weak-Moderate Calcite>> bands, blebs, diss <<Struc: 225 - 225.25 Moderate dominant foliation>>											
225.25	227.85	MDS Carbonaceous Mudstone & Tuffaceous Mudstone									
<<Vein: 225.25 - 229.3 10% Quartz-Carbonate>>											
227.85	229.25	MAFta Coarse grained to ash tuff									
227.85 - 229.25: 228.28-229.08m: CRB mudstone and ash tuff <<Alt: 228.28 - 232.2 Moderate Calcite>> bands, blebs, diss											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p><<Struc: 228.28 - 229 Moderate dominant foliation>> cutting minor folds = axial plane</p> <p>229.25 236.60 MDS Carbonaceous Mudstone & Tuffaceous Mudstone</p> <p>229.25 - 236.6: narrow bands of ash tuff</p> <p><<Min: 230 - 232.2 1% Min: Pyrrhotite>></p> <p><<Min: 230 - 234 3% Min: Pyrite>> blebs and veinlets</p> <p><<Min: 234 - 237.1 1% Min: Pyrite>></p> <p><<Alt: 232.2 - 237.86 Weak Calcite>> bands, blebs, diss</p> <p><<Vein: 229.3 - 232.3 5% Quartz-Carbonate>></p> <p><<Vein: 234 - 234.7 100% Quartz-Carbonate>></p> <p><<Vein: 234.7 - 237.86 5% Quartz-Carbonate>></p> <p><<Struc: 229.6 - 322.1 Weak-Moderate Fault>> narrow gouge zones and broken core</p> <p><<Struc: 232.2 - 234 Moderate Fault>> broken core, minor gouge</p> <p><<Struc: 234.72 - 236.37 Moderate-Strong Fault>> broken core, minor gouge</p> <p><<Struc: 236.37 - 237.72 Weak-Moderate Fault>> clay on folia, minor gouge zones</p> <p>236.60 237.10 MAFta Coarse grained to ash tuff</p> <p>236.6 - 237.1: sheared band of MDS</p> <p>237.10 237.86 MDS Carbonaceous Mudstone & Tuffaceous Mudstone</p> <p>237.1 - 237.86: minor siliceous - Qtz bands. Shearing intensity increases down unit to 10cm gougy fault contact at 236.76 - 236.86.</p> <p><<Min: 237.1 - 237.86 3% Min: Pyrite>></p> <p><<Struc: 237.72 - 238.65 Moderate-Strong Fault>> gouge zones</p> <p>237.86 242.14 RHYvl Lapilli tuff</p> <p>237.86 - 242.14: Finer grained, more ash downhole. Upper contact 237.86-238.80m: sheared and gougy. Approx 5% blue QE</p> <p><<Min: 237.86 - 248 1% Min: Pyrite>></p> <p><<Alt: 237.86 - 242.14 Trace Calcite>></p> <p><<Struc: 242.1 - 242.2 Strong Contact>> undulating</p> <p>242.14 256.95 RHYvl Lapilli tuff</p> <p>242.14 - 256.95: ash rich sections, few feldspar crystals.</p>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
		<<Min: 248 - 253.5 1% Min: Pyrrhotite>> <<Min: 253.5 - 260.66 1% Min: Pyrite>> <<Alt: 242.14 - 247 Moderate Calcite>> <<Alt: 247 - 256.95 Weak-Moderate Calcite>> <<Alt: 252.3 - 256.95 Trace Biotite>> <<Vein: 242.14 - 246.76 5% Calcite>> <<Vein: 253.65 - 256.5 3% Quartz-Tourmaline>> <<Struc: 243 - 243.5 Weak-Moderate dominant foliation>> <<Struc: 243.5 - 244 Weak-Moderate dominant foliation>> <<Struc: 247.4 - 248 Moderate-Strong dominant foliation>> <<Struc: 250.5 - 250.6 Weak-Moderate Fault>> gouge <<Struc: 250.7 - 251 Moderate dominant foliation>> <<Struc: 251 - 251.05 Weak-Moderate Fault>> gouge <<Struc: 252 - 252.1 Weak-Moderate Fault>> gouge 256.95 258.45 PEL Equigranular biotite + calcite +/- quartz rock 256.95 - 258.45: minor biotite <<Alt: 256.95 - 261.1 Moderate-Strong Calcite>> <<Vein: 258.1 - 258.2 20% Quartz-Tourmaline>> <<Struc: 257 - 258.2 Moderate-Strong dominant foliation>> 258.45 260.66 RHYva Coarse grained to ash tuff <<Min: 260 - 266 0.5% Min: Pyrrhotite>> <<Alt: 258.45 - 260.66 Trace Biotite>> <<Vein: 260.4 - 260.6 20% Quartz-Tourmaline>> 260.66 266.72 RHYvi Lapilli tuff <<Min: 260.66 - 266 3% Min: Pyrite>> <<Min: 266 - 274 1% Min: Pyrite>> <<Alt: 260.66 - 269.15 Weak Chlorite>> weak BCQIpl alteration <<Alt: 261.1 - 266.72 Weak Calcite>> <<Vein: 261.3 - 264.6 5% Quartz-Carbonate>> <<Vein: 263.9 - 264 10% Quartz-Tourmaline>> <<Vein: 263.9 - 264 10% Carbonate-Chlorite>> chl-carb veinlet cuts qtz-tour veinlet <<Vein: 264.9 - 265 5% Quartz-Tourmaline>>									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
		<<Struc: 262.65 - 262.7 Weak-Moderate Fault>> gouge									
		266.72 269.15 RHYvl Lapilli tuff									
		266.72 - 269.15: weak BCQlpl									
		<<Alt: 266.72 - 273 Weak Calcite>>									
		<<Vein: 267.4 - 268 15% Quartz-Tourmaline>>									
		269.15 274.00 RHYvl Lapilli tuff									
		269.15 - 274: weak BCQlpl overprinted by Mu									
		<<Alt: 269.15 - 273 Weak Muscovite>> Mu overprinting BCQlpl alteration									
		<<Alt: 269.15 - 273 Trace Chlorite>> weak BCQlpl alteration									
		<<Alt: 273 - 287 Trace Calcite>>									
		<<Vein: 271.8 - 272.3 60% Carbonate-Chlorite>>									
		<<Struc: 269.15 - 269.22 Moderate Fault>> gouge and up hole margin of bleached zone									
		<<Struc: 273 - 273.3 Moderate Fault>> gouge									
		274.00 276.00 FLZ Fault Zone									
		<<Min: 274 - 276 3% Min: Pyrite>>									
		<<Struc: 274 - 276 Strong Fault>> gouge, sheared									
		276.00 281.10 RHYvl Lapilli tuff									
		<<Min: 276 - 298.8 1% Min: Pyrite>>									
		<<Struc: 276 - 279.9 Weak Fault>> broken core, trace gouge									
		<<Struc: 279.9 - 294 Moderate Fault>> broken core, numerous 2-15cm gouge zones and zones of broken core									
		281.10 285.35 RHYvx Quartz and/or feldspar crystal tuff									
		281.1 - 285.35: scattered (3%) feldspar crystals									
		<<Alt: 282 - 287 Weak Muscovite>> related to fault zone									
		285.35 287.30 RHYvl Lapilli tuff									
		<<Alt: 287 - 294.6 Weak Calcite>>									
		<<Vein: 286.4 - 287.3 15% Quartz-Tourmaline>>									
		287.30 288.00 PEL Equigranular biotite + calcite +/- quartz rock									
		288.00 291.00 RHYvl Lapilli tuff									
		<<Vein: 288 - 288.4 90% Quartz-Tourmaline>>									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
291.00	294.00	RHYva Coarse grained to ash tuff <<Vein: 292.4 - 294 5% Quartz-Carbonate-Sulphide 45 deg. >>									
294.00	294.60	RHYvl Lapilli tuff 294 - 294.6: finning up									
294.60	299.60	RHYva Coarse grained to ash tuff 294.6 - 299.6: almost a pelite <<Min: 298.8 - 303 3% Min: Pyrite>> <<Alt: 294.6 - 299.6 Weak-Moderate Calcite>> <<Struc: 298.55 - 299.6 Moderate-Strong Fault>> gouge and broken core									
299.60	313.30	RHYvl Lapilli tuff 299.6 - 313.3: repeated sequences on 0.5-1.0m scale of lpl and ash beds. Finning upwards and lpl beds commonly have abrupt lower contacts. <<Min: 303 - 306.2 1% Min: Pyrite>> <<Min: 303.8 - 303.9 0.01% Min: Sphalerite>> <<Min: 306.2 - 313 3% Min: Pyrite>> <<Min: 313 - 342.25 1% Min: Pyrite>> <<Alt: 299.6 - 307.5 Weak Calcite>> <<Alt: 307.5 - 322 Trace Calcite>> diss, veinlets, blebs <<Vein: 300.3 - 300.8 100% Quartz-Carbonate-Sulphide>> <<Vein: 304.4 - 304.48 80% Carbonate-Kaolinite/White clay 70 deg. >> rhodochrosite <<Vein: 306.2 - 307.5 100% Quartz-Tourmaline-Sulphide>> minor pyrite and tourmaline <<Vein: 310 - 310.15 100% Quartz-Carbonate-Sulphide>> minor pyrite <<Vein: 311.12 - 311.44 15% Quartz-Carbonate>>									
313.30	327.60	RHYvl Lapilli tuff <<Alt: 315 - 326.7 Trace Tourmaline>> <<Alt: 322 - 328.5 Weak Calcite>> <<Vein: 320.2 - 322.33 5% Quartz-Carbonate-Sulphide>> minor pyrite <<Struc: 326.6 - 328.9 Weak-Moderate Fault>> narrow gouge zones and broken core									
327.60	329.50	RHYva Coarse grained to ash tuff 327.6 - 329.5: dominated by ash beds with lesser <<Alt: 328.5 - 337 Trace Calcite>>									

GeoSpark Logger ~ Drill Log

Project:

KZK

Hole Number:

K16-414

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
<p><<Vein: 328.56 - 331.6 20% Quartz-Carbonate>> trace pyrite and tourmaline</p> <p>329.50 342.25 RHYvl Lapilli tuff</p> <p>329.5 - 342.25: Good Rhyvl with minor bands of RHYva. Minor folds in foliation with foliation parallel to core axis.</p> <p><<Alt: 337 - 342.25 Weak Calcite>></p> <p><<Vein: 332 - 333.45 10% Quartz-Carbonate 62 deg. >> qtz-carb</p> <p><<Struc: 329.85 - 330.55 Strong Fault>> gouge and broken core</p> <p><<Struc: 330.55 - 331.8 Weak Fault>> minor gouge and broken core.</p> <p><<Struc: 332.5 - 333 Moderate dominant foliation>></p> <p><<Struc: 333.5 - 333.6 Moderate dominant foliation>></p> <p><<Struc: 333.5 - 338.3 Weak Fault>> minor gouge zones on foliation and cross cutting it.</p> <p><<Struc: 337.5 - 337.9 Moderate dominant foliation>></p> <p><<Struc: 338.3 - 340.75 Weak-Moderate Fault>> broken core and gouge zones</p> <p><<Struc: 341 - 342 Moderate dominant foliation>></p> <p>End of Hole @ 342.25</p>											