

GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K94-034

| | | | | | | | |
|------------------|-------------|-------------------|----|--------------------|-------|------------------------|----------------|
| Prospect: | ABM | Hole Type: | DD | Survey Type: | | Logged By: | Roger Hulstein |
| Grid: | NAD83_Z9 | Hole Diameter: | | Survey By: | | Date Logging Start: | |
| UTM Easting | 414700.263 | Core Size: | | Azimuth: | 180 | Date Logging Complete: | |
| UTM Northing: | 6815622.641 | Casing Pulled?: | | Dip: | -45 | Drill Company: | |
| UTM Elev. (m): | 1421.305 | Casing Depth (m): | | Length (m): | 195.4 | Drill Rig: | |
| Local Easting: | | Stored?: | | Claims Title | | Drill Started: | |
| Local Northing: | | Cemented?: | | Core Storage Loc.: | | Drill Completed: | |
| Local Elev. (m): | | | | | | 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 | -45 | 180 | | 180 | SS | | | | <input checked="" type="checkbox"/> | |
| 32 | -46 | 182 | | 182 | SS | | | | <input checked="" type="checkbox"/> | |
| 62 | -46 | 188 | | 188 | SS | | | | <input checked="" type="checkbox"/> | |
| 93 | -47 | 181 | | 181 | SS | | | | <input checked="" type="checkbox"/> | |
| 123 | -48 | 186 | | 186 | SS | | | | <input checked="" type="checkbox"/> | |
| 154 | -48 | 183 | | 183 | SS | | | | <input checked="" type="checkbox"/> | |

| From (m) | To (m) | Rocktype & Description | From (m) | To (m) | Width | Sample | Ag PPM | Au PPM | Cu % | Pb % | Zn % |
|--|--------------|---|----------|--------|-------|--------|--------|--------|------|------|------|
| 0.00 | 9.70 | OVBN Overburden | | | | | | | | | |
| 9.70 | 26.00 | RHYcw Curdy textured-flow banded (flows, subvolcanics) | | | | | | | | | |
| 9.7 - 26: Not great example of RHYcw - Likely RHYvl in part | | | | | | | | | | | |
| <<Min: 11 - 25.2 5% Min: Ankerite>> | | | | | | | | | | | |
| <<Min: 13 - 114.6 1% Min: Pyrrhotite>> <-1-2mm pyrrhotite dis, locally minor <0.5% dis with Pyrrhotite, | | | | | | | | | | | |
| <<Min: 22 - 28 3% Min: Calcite>> | | | | | | | | | | | |
| <<Min: 25.2 - 58.1 1% Min: Ankerite>> | | | | | | | | | | | |
| 26.00 | 62.70 | RHYvl Lapilli tuff | | | | | | | | | |
| 26 - 62.7: Minor biotite throughout, likely caused at least in part by qtz-tour vein at 45.9m where biot +/- chl alt is more intense. 39,2-48op] possible MAFt or only biot alt overprint? | | | | | | | | | | | |

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|--|--------------------------|--|----------|--------|-------|--------|--------|--------|------|------|------|
| <<Min: 42 - 45 | 5% Min: Calcite>> | more mafic looking section | | | | | | | | | |
| <<Min: 45 - 57 | 0.5% Min: Calcite>> | | | | | | | | | | |
| <<Min: 58.1 - 93.3 | 8% Min: Ankerite>> | average of section... | | | | | | | | | |
| <<Alt: 26 - 50 | Moderate (Alt) Biotite>> | halo to qtz-tou veins | | | | | | | | | |
| <<Alt: 35 - 45 | Weak (Alt) Chlorite>> | diss Chl in patches - surrounds Qtz-tou veining | | | | | | | | | |
| 62.70 | 66.00 | RHYcw Curdy textured-flow banded (flows, subvolcanics) | | | | | | | | | |
| 62.7 - 66: 10's cm sections of RHYcw but also RHYvl as seen above and below unit. | | | | | | | | | | | |
| 66.00 | 74.20 | RHYvl Lapilli tuff | | | | | | | | | |
| 66 - 74.2: unit contains sections of RHYcw, unit similar to unit above and below (downhole), difference being amount of RHYcw present. | | | | | | | | | | | |
| 74.20 | 78.60 | RHYcw Curdy textured-flow banded (flows, subvolcanics) | | | | | | | | | |
| 78.60 | 132.00 | RHYvl Lapilli tuff | | | | | | | | | |
| 78.6 - 132: weakly bit alt, dis pyrrhotite, locally ash and coarse ash sections (ie. 103-113m) | | | | | | | | | | | |
| <<Min: 93 - 103 | 0.5% Min: Calcite>> | | | | | | | | | | |
| <<Min: 93.1 - 126.8 | 3% Min: Ankerite>> | | | | | | | | | | |
| <<Min: 103 - 108 | 1% Min: Calcite>> | | | | | | | | | | |
| <<Min: 108 - 149 | 0.25% Min: Calcite>> | trace to 0.5 % | | | | | | | | | |
| <<Min: 114.6 - 120 | 2% Min: Pyrrhotite>> | | | | | | | | | | |
| <<Min: 120 - 164 | 1% Min: Pyrrhotite>> | includes local zones of minor dis py, <0.5% with the Pyrrhotite. | | | | | | | | | |
| <<Min: 126.8 - 132 | 10% Min: Ankerite>> | | | | | | | | | | |
| <<Alt: 103.3 - 105.5 | Weak (Alt) Biotite>> | | | | | | | | | | |
| <<Alt: 120 - 125 | Weak (Alt) Biotite>> | | | | | | | | | | |
| 132.00 | 134.40 | MDSt Rhyolite tuff dominant mudstone | | | | | | | | | |
| <<Min: 132 - 154.7 | 3% Min: Ankerite>> | | | | | | | | | | |
| 134.40 | 135.50 | MDSc Carbonaceous dominant mudstone | | | | | | | | | |

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|---|--------|---|----------|--------|-------|--------|--------|--------|------|------|------|
| 135.50 | 138.20 | MDSt Rhyolite tuff dominant mudstone | | | | | | | | | |
| 135.5 - 138.2: bands RHYcw at base of unit | | | | | | | | | | | |
| 138.20 | 145.10 | RHYcw Curdy textured-flow banded (flows, subvolcanics) | | | | | | | | | |
| <<Alt: 139 - 167 Weak-Moderate (Alt) Silicification>> | | | | | | | | | | | |
| <<Alt: 140 - 172 Moderate (Alt) Muscovite>> cloudy day! Amount of Mu varies according to rock type. | | | | | | | | | | | |
| 145.10 | 149.30 | MDSt Rhyolite tuff dominant mudstone | | | | | | | | | |
| 149.30 | 173.30 | RHYcw Curdy textured-flow banded (flows, subvolcanics) | | | | | | | | | |
| 149.3 - 173.3: not classic RHYcw, especially below 163.5 where unit loses good curdy texture plus alteration and disseminated mineralization increases. 172-173.3m; Missing core. | | | | | | | | | | | |
| <<Min: 154.7 - 164.5 8% Min: Ankerite>> | | | | | | | | | | | |
| <<Min: 164 - 168 1% Min: Pyrite>> and wisps | | | | | | | | | | | |
| <<Min: 164 - 168 4% Min: Pyrrhotite>> | | | | | | | | | | | |
| <<Min: 165 - 172 0.25% Min: Chalcopyrite>> | | | | | | | | | | | |
| <<Min: 165 - 172 0.5% Min: Arsenopyrite>> | | | | | | | | | | | |
| <<Min: 168 - 172 Min: Pyrrhotite>> | | | | | | | | | | | |
| <<Alt: 163 - 167 Weak (Alt) Cordierite>> Remnant Cord porphyroblasts, Cord mostly all or completely replaced by qtz-chl. | | | | | | | | | | | |
| <<Alt: 169 - 172 Weak (Alt) Chlorite>> Chl porphyroblasts, locally replacing cord. | | | | | | | | | | | |
| 173.30 | 176.30 | OJ Heavily disseminated sulphides in proximal altered rock | | | | | | | | | |
| 173.3 - 176.3: 172-186.7m:core missing: whole core previously sampled. | | | | | | | | | | | |
| 176.30 | 178.10 | OB Wispy laminate, fine buckshot textured, non-magnetite bearing sulphides | | | | | | | | | |
| 178.10 | 178.80 | OA Magnetite bearing sulphides | | | | | | | | | |
| 178.80 | 181.10 | OC Chalcopyrite-pyrrhotite net textured sulphides | | | | | | | | | |

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|---|---------------|---|----------|--------|-------|--------|--------|--------|------|------|------|
| 181.10 | 184.00 | OA | | | | | | | | | |
| | | Magnetite bearing sulphides | | | | | | | | | |
| 184.00 | 185.30 | OB | | | | | | | | | |
| | | Wispy laminate, fine buckshot textured, non- magnetite bearing sulphides | | | | | | | | | |
| 185.30 | 195.40 | MAFi | | | | | | | | | |
| | | Mafic Intrusions (primarily footwall mafic intrusion) | | | | | | | | | |
| 185.3 - 195.4: 185.3-186.7: missing core:whole core previously sampled. | | | | | | | | | | | |
| <<Min: 187 - 195.4 10% Min: Calcite>> | | | | | | | | | | | |
| <<Alt: 186.5 - 190.5 Weak-Moderate (Alt) Silicification>> | | | | | | | | | | | |
| <<Alt: 188 - 195.4 Moderate (Alt) Biotite>> biotite gone where MAFi is bleached +/- silicified+/- leucoxene, locall cut by qtz veins (with ble envelope). | | | | | | | | | | | |
| End of Hole @ 195.4 | | | | | | | | | | | |