| | PROJECT: | WELL ID: | |
|---|---|---------------------------------------|--|
| | ERDC Site Wide Monitoring Plan (13 002-04) | KV-84N-D | |
| | LOCATION: | WELL MATERIAL: | |
| | Keno Hills Silver District (KHSD) | Fire Hall Deep | |
| | DRILLING CONTRACTOR: | NORTHING: | EASTING: |
| | Access Consulting Group | | Need survey from AXR |
| ACCESS | DRILLING EQUIPMENT: | GROUND SURFACE ELEV. (masl): | _ |
| | Midnight Sun Drilling Inc. | | 0.8634984 |
| | DRILLING METHOD: | TOTAL DEPTH (m): | WATER DEPTH (m bgs): |
| | Air Rotary | 88.392 | 57.068 |
| LOGGED BY: | SAMPLING METHOD: | DATE STARTED: | DATE COMPLETED: |
| | Interval by major lithology | 30-Oct-13 | 1-Nov-13 |
| Graphic Log | Description | Well Construction | |
| -2 - 0 - 2 - 4 - 6 - 8 - 10 - 12 - | Brown silty gravel with cobbles, damp Gray/brown gravelly silt with sand and cobbles, damp Boulder - quartzite, damp Gray/brown gravelly silt with sand and cobbles, damp Gray/brown gravelly silt with sand, damp Dark gray sand with trace silt, grading to silt at 37', damp Silt, coarse, trace sand, damp | Sand Pack Bentonite | -2 0 Locking Casing - 2 Cap - 4 - 6 - 8 - 10 - 12 |
| 14 | Gravel with trace silt 1"- but becoming finer (1/4"), clean subrounded (fluvial) grains, damp Sandy gravel, light gray, damp Brown fine sand/coarse silt, damp Wet gray silt, wet Sandy gravel, medium gray, damp Fine gravel with trace sand and silt, clean, damp Sandy gray/brown gravel (1"-), alternating dry and moist, gray and brown Coarse sand with trace gravel, saturated - 20L water blown from hole after rod change | | - 14 - 16 - 18 - 20 - 22 - 24 - 26 - 28 - 30 - 32 |
| 34 - 36 - | Gray sandy silt, wet | Out to | - 34 - 36 Casing |
| 38 40 | Silty gravel, damp | Grout | - 38 - 40 |
| 42 | Clean gravel with cobbles, wet - appears to be water at 137 feet after water addition stopped | | - 40 - 42 |
| 44 | Medium sand with trace silt, moist but no water | | <u>44</u> |
| 46 - 48 - 50 - 50 - 50 - 50 - 50 - 50 - 50 - 5 | Sand and gravel with silt, moist Gray gravel with some coarse sand, damp Light gray powderly silt with trace gravel and fine sand, alternating bands drier and moister with more or less gravel/cobbles Gray sandy gravel with cobbles. Powdery and dry with several boulders encountered to 180, water present at 193' | | - 46 - 48 - 50 - 52 - 54 - 56 - 58 - 60 |
| 62 64 66 68 | Silty gravel, saturated, increased fines, wet Clean gravel with cobbles and boulders, trace sand and silt, wet Gray silty clay till with gravel, impermeable? More gravel | | - 62 - 64 - 66 - 68 |
| 70 | between 225-232, added water | Bentonite | - 70 |
| 72 74 | Gray quartzite | i i i i i i i i i i i i i i i i i i i | 72 PVC Riser74 |
| 76 | Interbedded black graphite schist and quartzite, some quartz and pyrite | Sand Pack | - 7 6 |
| 78 80 | Gray/green muscovite/sericite schist Light gray hard quartzite, oxidized zone between 262'-267' | Bentonite | 78 80 PVC Screen |
| 82 | with groundwater, pyrite in cuttings | Sand Pack | - 82 - 84 |
| 84 - 86 - 88 - 90 | Quartzite with thin bedded graphite schist - EOH | Sand Pack | 86 - 88 PVC End Cap - 90 |