

*Guide for Using the Hydrogeologic Classification System for Logging Water Well Boreholes by Thomas M. Hanna NGWA Press

Drilling Co. Soldotna Drilling Co. 21AUSGS no. NO #1Driller J. Shelman Type of rig CableDate well completed May 6, 1977Well owner Collier Carbon & Chemical Corp.Nearest community Kenai, AlaskaWell location: (address & legal description) N. W. CornerLongitude 1512313Collier Plant Site.Latitude 604041Depth of well 371 ft. Casing: Depth 340 ft. Diameter 16 in.Static water level 110 ft. (above, below) land surface. Date 5-6-77

Finish of well: (open end, screen, perforated, open hole, other) _____

Describe screen intervals and size: 340-370-180 SlotWell yield tested by (pumping, bailing, air) at 4000 gal/min.for 1 hours with 23 ft. of drawdown from static level.

DRILLER'S MATERIAL LOG

Depth below land surface in feet	Give description of strata penetrated (size of material, color, hardness of drilling, and water content)
0 to 38	Small to Med. Gravel & Sand
38 to 52	Dark Grey Sticky Clay
52 to 73	Cemented Sand w/few Gravels
73 to 88	Sticky Grey Clay
88 to 125	Brown Cemented Sand
125 to 173	Fine to Med. Silty Sand w/water--125' Static
173 to 205	Dark Grey Sticky Clay w/sand & Silt Lenses
205 to 233	Silt--Dry
233 to 241	Very Solid Clay
241 to 249	Silt--Solid
249 to 271	Very Hard Silt
271 to 308	Very Dense Clay w/Imbedded Gravel--Slow Drilling
308 to 315	Soft Sticky Clay
315 to 327	Solid Grey Clay
327 to 332	Solid Clay w/Gravel
332 to 339	Clay w/Boulders
339 to 368	Small-Med. & Coarse Gravel & Very Coarse Sand--Very Loose & water Bearing. Water is Dark & Silty.
to	
368 to 372	Med. to Coarse Sand--20% Small Gravels. Static Level 110'.
to	Installed 30' of 16" Telescoped Size Stainless Steel Screen. 180
to	Slot-o/a Length 31'-340- to 371' Interval.
to	Developed well by Airlift Surging & Discharging to Remove Sand &
to	Silt from Area Adjacent to Screen. Near end of Developing period 56 hours
to	the well was airlift pumped at rates up to 4000 G.P.M. measured

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