DAILY DRILLING REPORTS ARCHIVED MARCH '96

See Eric Hirano, DWRM
KILohana Wells
SITE PLAN

By: Kauai DOSS

EXIST 5" HG Cont. Tank

Test Hole 'D'

Well 'A'

Well 'B1' (observation)

exist chain link fence
LEGEND

△ Exploratory Holes
△ Existing Holes

Kilohana Wells

1. WELL 'A' 5923-01
2. B 5923-02
3. C 5923-03
4. D 5824-02
5. E 5824-03
6. F 5923-04
7. G 5923-05
8. H 5923-06
9. I 5923-07
10. J 5824-04

Test Hole 'J'

Garlinghouse Tunnel Site
Kauai Community College
KCCC Pump Station Site

Locations From Kauai Du's
Exist. Gr. Elev. = 484.0' M.O.L.

NOTE:
Well "J" Abandoned

"AS BUILT"
KILOHANA WELL "J"

Sept. 1, 1982
anywhere between 500 and 700 gpm, rather than at the tested rate of 955 gpm, because the long-term safe yield of the aquifer and its relationship to the Garlinghouse Tunnel source cannot be determined at this time. The top of pump bowls should be set at least 30 feet below static water level.

Well J

Well J was pump tested on May 10-11, 1982, at a rate of 50 to 100 gpm. The results of the test show that Well J is capable of producing 50 gpm. Because Well J is located within your tank site, it would seem feasible for you to cap the well and reserve it as a usable 50 gpm source, should the need arise in the future. In that event, we suggest the top of pump bowls be set 70 feet below static water level.

We hope our comments are helpful to you and if you have any questions, please let me know.

Very truly yours,

ROBERT T. CHUCK
Manager-Chief Engineer

DL:dh
August 6, 1982

Mr. Raymond Sato
Manager-Engineer
Department of Water
County of Kauai
P.O. Box 1706
Lihue, Kauai 96766

Dear Ray:

Kilohana Wells G, H, I, and J, Kauai

In response to your request for our recommendations concerning the recently completed Kilohana Wells G, H, I, and J, we offer our comments below, based on a review of the pumping test data submitted to us by your office.

Well G

Well G was final-tested on July 27 - August 1, 1981 at pumping rates of 100 to 250 gpm with drawdowns ranging as high as 57 feet. Based on the results of this test, we recommend that the installed pump capacity be set at 200 gpm and the top of pump bowls be set at 50 feet below static water level.

Well H

This well was pump tested on September 30, 1982, at a rate of 95 gpm with 100 feet of drawdown. The drawdown curve showed a steady and excessive downward trend throughout the test period; and therefore, the well cannot produce 95 gpm, even though it is a low rate. We recommend that the well be abandoned as a non-productive well.

Well I

Well I was pump tested at rates of 230 to 665 gpm between January 12 and February 5, 1982. The various tests indicate an unusually high specific well capacity for Koloa lavas, (approximately 180 gpm per foot of drawdown). However, the drawdowns in adjacent Wells B and F were almost identical to that in Well I, which was being pumped, indicating there will be interference of drawdowns between the three wells if they are pumped simultaneously. We suggest that the installed pump capacity be set...
1/4" Steel Pl Tack Welded to Cas

3" Coupl w/ Plug

Exist. Ground:
Well "G" Elev. = 384.58' MSL
Well "H" Elev. = 390.2
Well "I" Elev. = 363.45
Well "J" Elev. = 390.2

Cement Basket
(See Detail this Sheet)

Steel Shoe as Approved by the Engineer

SECTION THRU WELL
LEGEND

- Exploratory Holes
- Existing Holes

KILohana Wells

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K.C.C. Pump Station Site

Garlinghouse Tunnel Site

Kauai Community College

Highway

1. WELL D CAPPED ABANDONED
2. WELL J CAPPED ABANDONED
3. TEST HOLE J