SUPPLEMENTARY DISCHARGE MEASUREMENT NOTES

Enter on this form ample notes in regard to the following:

1. Accuracy of measurement; 2. gage; 3. observer; 4. bench marks; 5. gage-height corrections; 6. adjustments to total discharge; 7. station equipment; 8. channel, control, and point of zero flow; 9. rating, backwater; 10. diversions, regulation; 11. records; 12. cooperation.

Kipapa Gulch Test Hole (Hawaiian Pine)
240 ft 54° E of meridian

Elev. 564 Top of 34-inch pipe
Depth of Hole: 681 ft
Surface casing: 16 ft of 2-inch casing
Length of 34-inch pipe: 670 ft

Water-level reading
567.5
539.8

27.7 ft above msl (Head)

Infiltration test
Poured in appx. 250 gals at 20 gpm into hole.
110 inches in water level
Other 3 in. less

Present:
S. Wong, Monroe, picture over
N. Whiting, Takesaki

Copy to: U. S. Geological Survey
Location - In Kipapa gulch, 1.1 mi. above Waiahole ditch which crosses gulch, 2.8 mi. northeast of Kipapa highway bridge and 3.8 mi. southeast of Waialua.
Owner - Takeichi Ige
Altitude - 530 ft.
Drilled - June 18, 1945 by W. H. Mullin
Diameter - 6"
Depth - 175 ft.
Casing - 172 ft. (slotted)
Head - Shallow ground water standing about 50 ft. below ground surface
Chloride - Oct. 19, 1945, 21 p.p.m.
Use - Irrigation of truck farm
Capacity - Well yields very little water; pumps dry in a few minutes.

Log

0 - 18 ft. Red soil
18 - 22 Boulders
22 - 126 Clay and small gravel
126 - 155 Gray rock
155 - 175 Clay and rock

Well abandoned

11-8-45
S.W.
November 27, 1979

Mr. Les Goya
Land Department
Castle & Cooke, Inc.
P.O. Box 2990
Honolulu, Hawaii 96802

Dear Mr. Goya:

Thank you for informing us of the status of wells 2759-01 and 02 on land owned by Castle & Cooke, Inc. We acknowledge that they are no longer in operation and that no Declaration of Existing Water Withdrawal and Use needs to be submitted. We appreciate your cooperation.

Very truly yours,

ROBERT T. CHUCK
Manager-Chief Engineer

ES:ey
November 20, 1979

Department of Land and Natural Resources
Division of Water and Land Development
P. O. Box 373
Honolulu, HI  96809

Gentlemen:

Re: Pearl Harbor Ground Water Control Area
Well Number 2759-02

Please be advised that the above referenced well is not being utilized at the present time and has not been for a number of years. In light of the inactivity at this well, we will not be submitting the declaration of existing water withdrawal form sent to Dole Corporation.

A review of the quad map also identifies well number 2759-01, which is located on Castle and Cooke property. Although no declaration form was sent to Castle and Cooke for this well, please be advised that this well is no longer in operation.

Should you have any questions on the above referenced subject matter, please feel free to call on me at

Very truly yours,

CASTLE & COOKE, INC.

Les Goya
Land Department

LG:mah