**Location:** In pump house on west side of Waihohomu Hill, Koloa.

**Owner:** Kauai County Waterworks Board.

**Altitude:** 245 ft.

**Drilled:** Dec. 12, 1952, to Dec. 22, 1952 (0 to 355 ft.); Feb. 9, 1953, to Feb. 19, 1953 (355 to 455 ft.); by Samson and Smock, Ltd.

**Diameter:** 12 in.

**Depth:** 455 ft.

**Casing:** 277 ft.

**Head:** 45.16 ft. (1954).

**Chloride:**
- Sept. 22, 1953, 25 "
- Aug. 4, 1954, 26 "

**Use:** Municipal.

**Capacity:** 342 g.p.m., drawdown 3.5 ft., during pumping test. Wells equipped with 50 H. P. A. O. Smith motor and deepwell pump.

**Air line is 245.00 ft. long.

**Bench mark:** Bottom of pump motor base; altitude, 247.07 ft.

As of April 1982, this well is still used to supply drinking water, according to DOH records.
SAMSON AND SMOCK, LTD.
HONOLULU 6, HAWAII

LOG OF WELL
DRILLED AT KOLOA, KAUA'I
FOR KAUA'I COUNTY WATERWORKS BOARD

Drilled: Dec. 12, 1952 to Dec. 22, 1952 (0' to 355')
       Feb. 9, 1953 to Feb. 19, 1953 (355' to 455')

Formation:

0' to 8' = Dirt
8' to 108' = Sticky red clay
108' to 127' = Brown clay with small rocks
127' to 128.5' = Small boulders
128.5' to 131' = Sticky clay
131' to 140' = Brown clay with small rocks
140' to 142' = Hard boulder
142' to 153' = Sticky clay
153' to 160' = Medium hard rock - boulder
160' to 177' = Soft rock
177' to 178' = Hard rock
178' to 182' = Medium hard rock
182' to 222' = Soft rock
222' to 227' = Medium hard rock
227' to 233' = Hard rock
233' to 240' = Medium hard rock
240' to 265' = Soft rock
265' to 272' = Medium hard rock
272' to 277' = Hard rock
277' to 280' = Soft rock
280' to 292' = Medium hard rock
292' to 304' = Hard rock
304' to 322' = Medium hard rock
322' to 324' = Soft rock
324' to 329' = Medium hard rock
329' to 343' = Hard rock
343' to 347' = Medium hard rock
347' to 355' = Hard rock
355' to 359' = Hard rock
359' to 377' = Medium hard rock
377' to 398' = Very hard rock
398' to 406' = Soft red rock
400' to 408' = Medium hard red rock
408' to 411' = Hard rock
411' to 420' = Medium hard rock
420' to 426' = Soft rock
426' to 439' = Medium hard rock
439' to 443' = Soft rock
443' to 455' = Medium hard rock

Casing in hole = 277 ft. of 12" casing

Water level = 201.25 ft. below ground surface
LOG OF WELL DRILLED
AT KOLOA, KAUAI (Additional)
FOR KAUAI COUNTY WATERWORKS BOARD

Drilled: February 9, 1953 to February 19, 1953

Formation:
- 355' to 359' = Hard rock
- 359' to 377' = Medium hard rock
- 377' to 398' = Very hard rock
- 398' to 400' = Soft red rock
- 400' to 408' = Medium hard red rock
- 408' to 411' = Hard rock
- 411' to 420' = Medium hard rock
- 420' to 426' = Soft rock
- 426' to 439' = Medium hard rock
- 439' to 443' = Soft rock
- 443' to 455' = Medium hard rock

Size of casing = 12 inches
Casing in hole = 277 feet
Water level = 201.25 feet below ground surface

2-21-53. Johnson says well was pump tested. Rate, 360.9 gpm, drawdown, 44 ft.

<table>
<thead>
<tr>
<th>Date</th>
<th>Chloride (ppm)</th>
</tr>
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<tbody>
<tr>
<td>8-7-53</td>
<td>25</td>
</tr>
<tr>
<td>9-22-53</td>
<td>25</td>
</tr>
</tbody>
</table>
**PUMP ASSEMBLY DATA SHEET**

**DESIGN DATA (From Specs)**

- Min. Capacity: 803 gpm @ 356 ft TDH
- Max. Size Pump: 10 inches
- Min. Discharge Column: 1800 rpm
- Power Requirement: Volts 460, Phase 3, Cycle 60
- Min. Overall Efficiency: 69%

**INSTALLATION DATA**

- Manuf acturer: General Electric
- Serial No.: VJ 106285
- Model: 5K625XM555B
- H.P.: 100
- Service Factor: 1.15
- Type: CONT.
- Code: G
- Frame: C404 TP16 B
- Insulation: F CLAS
- Cycle: 60
- Phase: 3
- Enclosure: F.
- L. Amps: 240.6/120.3
- L. Speed: 1765 rpm
- Temp. Rise: 40 Degree C.
- Bearing Thrust: Up 1650 Lbs, Down 6925 Lbs
- Space Heater: Cat No. 214A3995G001
- Watts: 184
- Volts: 115

**INSTALLATION PUMP DATA**

- Manuf acturer: FLOWAY
- Serial No.: 81-3642
- Model: 10DKH
- Size of well casing: 12 in.
- Bott. of cased well elev. (-32 ft (msl)) Stages: 11
- Bott. of open hole elev. (-1219 ft (msl)) Diameter: 10 in.
- Impeller: ENCLOSED
- Type: 

**INSTALLATED COLUMN DATA**

- Discharge Column: inches
- Oil Column: inches
- Line Shaft: inches