**DESCRIPTION**

Date of report: 11/05/86  
Person filing report: Loran H. Runnells

A. **OWNER**  
   Hemmeter Properties  
   **NAME** Westin Kauai Well  
   **ISLAND** Kauai

B. **GENERAL LOCATION** Westin Kauai Hotel Nawiliwili

C. **DRILLING COMPANY** Roscoe Moss Co.

D. **TYPE OF RIG** 36L  
   **DRILLING COMPLETED** 11/86  
   **DRILLER** Jim Riddle

E. **ELEVATION, msl:** Top of drilling platform: 22.5 ft.  
   Bench mark and method used to determine  
   Height of drilling platform above ground surface: 0 ft.  
   **elevation:**

F. **HOLE SIZE:**  
   16 inch dia. to 6.5 ft. below drilling platform.  
   12 inch dia. to 325 ft. below drilling platform.

G. **CASING INSTALLED:**  
   12 in. I.D. x 440 in. wall solid section to 65 ft. below drilling platform.  
   in. I.D. x in. wall perforated section to ft. below drilling platform.

H. **ANNULUS:** Grouted  
   0 ft. to 65 ft. below drilling platform.  
   Gravel packed  
   ft. to  
   ft. below drilling platform.

I. **PERMANENT PUMP INSTALLATION:**  
   - Pump type, make, serial no.  
   - Motor type, H.P., voltage, r.p.m.  
   - Depth of pump intake setting  
   - Depth of bottom of airline

**HYDROLOGY**

J. **INITIAL WATER LEVEL** ft. below drilling platform. **Date of measurement:**

K. **INITIAL CHLORIDE:** ppm, total depth of well ft. below drilling platform **Sampling Date**

L. **PUMPING TESTS:**  
   **Date** 10/23/86  
   **Start water level** 13.6 ft. below R. P.  
   **End water level** 13.6 ft. below R. P.  
   **Depth of well** 300 ft. below R. P.  
   **Rate** 645 to 655 g.p.m.  
   **Temp.** 6.17
   **Elapsed Time (hours)**
   **Rate (gpm)**
   **Draw (ft.)**
   **Cl- (ppm)**
   **Temp. (°F)**
   **Date** 10/31/86
   **Start water level** 13.6 ft. below R. P.  
   **End water level** 325 ft. below R. P.  
   **Depth of well** 325 ft. below R. P.  
   **Rate** 700 to 20.79 g.p.m.  
   **Temp.** 6.00
   **Elapsed Time (hours)**
   **Rate (gpm)**
   **Draw (ft.)**
   **Cl- (ppm)**
   **Temp. (°F)**

**SUBSURFACE FORMATION**

M. **DRILLER’S LOG:**

<table>
<thead>
<tr>
<th>Depth, ft.</th>
<th>Rock Description &amp; Remarks</th>
<th>Water Level</th>
<th>Depth, ft.</th>
<th>Rock Description &amp; Remarks</th>
<th>Water Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 32</td>
<td>Muddy silt sand</td>
<td>212 to 225</td>
<td>65 to 122</td>
<td>Hard rock black</td>
<td>313 to 325</td>
</tr>
<tr>
<td>32 to 36</td>
<td>Sand</td>
<td>225 to 295</td>
<td>65 to 112</td>
<td>Decomposed</td>
<td>302 to 313</td>
</tr>
<tr>
<td>36 to 50</td>
<td>Decomposed rock</td>
<td>295 to 302</td>
<td>65 to 65</td>
<td>Brown mud sand</td>
<td>313 to 325</td>
</tr>
<tr>
<td>50 to 65</td>
<td></td>
<td>325</td>
<td>65 to 112</td>
<td>Hard rock black</td>
<td>313 to 325</td>
</tr>
<tr>
<td>65 to 112</td>
<td></td>
<td>313 to 325</td>
<td>127 to 160</td>
<td>Decomposed rock Pahoehoe</td>
<td>313 to 325</td>
</tr>
<tr>
<td>112 to 127</td>
<td>Light brown clay &amp; gravel</td>
<td>to</td>
<td>160 to 195</td>
<td>Red mud rock with decomposed rock</td>
<td>to</td>
</tr>
<tr>
<td>127 to 160</td>
<td>Decomposed rock Pahoehoe</td>
<td>to</td>
<td>195 to 198</td>
<td>Decomposed rock</td>
<td>to</td>
</tr>
<tr>
<td>160 to 195</td>
<td>Red mud rock with decomposed rock</td>
<td>to</td>
<td>198 to 212</td>
<td>Blue rock</td>
<td>to</td>
</tr>
</tbody>
</table>

N. **REMARKS:** PVC pipe used for well casing

FOR DRILLER’S USE

Job Name

Job No.

INSTRUCTIONS: Send three(3) copies to: Manager-Chief Engineer, Division of Water and Land Development, P. O. Box 373, Honolulu, Hawaii 96809.


FOR OFFICIAL USE

Latitude: 21° 57'.55"

Longitude: 159° 21' 10"

... ...
DESCRIPTION

Date of report 11/05/86    Person filing report Loran H. Runnells

A. OWNER: Hemmeter Properties, NAME: Westin Kauai Well                 ISLAND: Kauai
B. GENERAL LOCATION: Westin Kauai Hotel Nawiliwili
C. DRILLING COMPANY: Roscoe Moss Co.
D. TYPE OF RIG: 36L    DRILLING COMPLETED: 11/86   DRILLER: Jim Riddle

E. ELEVATION, msl: Top of drilling platform 22.5 ft. Bench mark and method used to determine
   Height of drilling platform above ground surface 0 ft. elevation:

F. HOLE SIZE: 16 in. dia. to 6.5 ft. below drilling platform.
   12 in. dia. to 325 ft. below drilling platform.

G. CASING INSTALLED: 12 in. I.D. x .440 in. wall solid section to 65 ft. below drilling platform.
   in. I.D. x in. wall perforated section to drilling platform.
   Type of perforation: None

H. ANNULUS: Grouted 0 ft. to 65 ft. below drilling platform.
   Gravel packed  ft. to  ft. below drilling platform.

I. PERMANENT PUMP INSTALLATION:
   - Pump type, make, serial no.
   - Capacity g.p.m.
   - Motor type, H.P., voltage, r.p.m.
   - Depth of pump intake setting ft. below.
   - Depth of bottom of airline ft. below which elevation is ft.

HYDROLOGY

J. INITIAL WATER LEVEL-ft. below drilling platform. Date of measurement.
K. INITIAL CHLORIDE: ppm, total depth of well ft. below drilling platform

L. PUMPING TESTS:
   Date 10/23/86    Reference point (R.P.) used:
   Start water level 13.6 ft. below R. P.    Date 10/31/86
   End water level 300 ft. below R. P.
   Depth of well 325 ft. below R. P.
   Sampling Date 10/31/86

   Elapsed Time (hours)     Rate (gpm)     Drawdown (ft.)     Cl- (ppm)     Temp. (F)
   10:05 to 10:05    780     28.87     6:45 to 6:55    700     16.17
   10:05 to 2:00    700     27.27


SUBSURFACE FORMATION

M. DRILLER’S LOG:

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<tbody>
<tr>
<td>0 to 32</td>
<td>Muddy silt sand</td>
<td>212 to 225</td>
<td>Rock &amp; gravel</td>
<td>195 to 198</td>
<td>Blue rock and gravel</td>
</tr>
<tr>
<td>32 to 36</td>
<td>Sand</td>
<td>225 to 295</td>
<td>Black rock &amp; gravel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>36 to 50</td>
<td>Decomposed rock</td>
<td>295 to 302</td>
<td>Puka rock gravel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>50 to 65</td>
<td>Brown mud sand</td>
<td>302 to 313</td>
<td>Blue rock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>65 to 112</td>
<td>Hard rock black</td>
<td>313 to 325</td>
<td>Mud rock and gravel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>112 to 127</td>
<td></td>
<td>325 to 335</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>127 to 160</td>
<td>Decomposed rock Pahoeheoe</td>
<td>335 to 340</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>160 to 195</td>
<td>Red mud rock with decomposed rock</td>
<td>340 to 345</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>195 to 198</td>
<td>Decomposed rock</td>
<td>345 to 350</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>198 to 212</td>
<td>Blue rock</td>
<td>350 to 355</td>
<td></td>
<td></td>
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</tbody>
</table>

N. REMARKS: PVC pipe used for well casing

FOR OFFICIAL USE

Latitude 21 57.55
Longitude 159 21.10
Well No. 5721-01

FOR DRILLER’S USE

Job Name
Job No.

INSTRUCTIONS: Send three(3) copies to: Manager-Chief Engineer, Division of Water and Land Development, P. O. Box 373, Honolulu, Hawaii 96809.
