Date: March 4, 1973  
Job No: 51-TU-8  
Hole No: 1125-1  
Elevation: ______ ft.

Customer: State Dept. of T.  
Person: ______  
Location: ______  

Driller: J. Cunningham  
4 Hrs. Rig: ______

Helper: ______  
4 Hrs. Gas: ______  
Oil: ______

Helper: W. Evans  
4 Hrs. Repairs: ______

Arv. Job: ______  
Lv. Job: ______

---

Bit Size: ______  
Type: ______

Casing Size: ______ in., Length in hole: ______ ft.  
Amt. Perforated: ______ ft. ______ in.

Depth Start: ______ ft., Depth Stop: ______ ft., Feet Drilled: ______ ft.

Water Levels, Time: M ______ ft., Time: M ______ ft., ______ ft.

---

<table>
<thead>
<tr>
<th>Depth</th>
<th>Forma</th>
<th>Remarks</th>
<th>Top A</th>
<th>Top B</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>______</td>
<td></td>
<td></td>
</tr>
<tr>
<td>______</td>
<td></td>
<td>______</td>
<td></td>
<td>______</td>
</tr>
</tbody>
</table>

Remarks:

---

Signed: J. Cunningham  
Date: March 4, 1972
Date: March 3, 1972  
Job No.: 57-KW-8  
Hole No.: 1/25-01  
Elevation:  

Customer:  

Driller: T. Cunningham  
10 Hours  
Rig Cost:  

Helper: W. Evans  
10 Hours  
Gas:  
Oil:  

Arv. Job:  
Lv. Job:  
Hrs.:  
Or. No.:  

Bit-Size:  
Type:  

Casing-Size: in.  
Length in hole: ft.  
Amt. Perforated: in.  

Depth Start: ft.  
Depth Stop: ft.  
Feet Drilled:  

Water Levels, Time: M ft., Time: M ft.  

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Test Pumping</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Test Pump 11 Hrs.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Hrs. Test Pumped 72 Hrs.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Finish Testing 11:40 A.M.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Started Vital Pumps down.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>For to ship up to Hilo. Stack in.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mud went to fit out.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Added about 19 Barrels of Diesel</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks: Finish Test Pumping Pumped 72 Hrs.  
Pumped 1000 G.P.M.  
Draw Down at finish about 125'.  
Motor R.P.M. 16.50  

Signed: T. Cunningham  
Date: March 3, 1972
Date: **MARCH 2 1972**  
Job No: **51-7W-8**  
Hole No: **1125-01**  
Elevation: __________ ft.

Customer: **State Dept. of L & N Resources**  
Location: **Kilauea, Kauai, HI**

Driller: **T. Cunningham**  
12 Hrs.  
Rig: **60C**

Helper:  
Hrs.  
Gas: __________ Oil: __________

Helper: **W. Evans**  
12 Hrs.  
Repairs: ____________

Arv. Job: ____________  
Lv. Job: ____________  
24 Hrs.  
Or. No.: ____________

Bit-Size: ____________  
Type: ____________


Depth Start: __________ ft., Depth Stop: __________ ft., Feet Drilled: __________

Water Levels, Time: __________ M. __________ ft., Time: __________ M. __________ ft., __________

<table>
<thead>
<tr>
<th>Measurement</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
</table>

**Depth** | **Formation** | **Remarks** | **Top** |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Pump</td>
<td><strong>24 HRS 1000 G.P.M.</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total Hrs. Pumped: 37 24 HRS**

**Remarks:**

---

Signed: **Greg Cunningham**  
Date: **MARCH 2 1972**
<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>790</td>
<td>Test Pumping</td>
<td>24 HRS A day</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pumped</td>
<td>24 HRS</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3 7 HRS</td>
</tr>
</tbody>
</table>

Remarks: Picked up Diesel fuel at Bath Plant.
Date: Feb 29, 1972  
Job No.: 51-6W-8  
Hole No.: 125-01  
Elevation: __________ ft.  

Customer: State Dept. of Natural Resources  
Location: Hilo, Hawaii  

Driller: T. Cunningham  
12 Hrs.  
Rig: 60c  

Helper 1: Evans  
6 Hrs.  
Gas: __________  
Oil: __________  

Helper 2: Evans  
12 Hrs.  
Repairs: __________  

Arv. Job: __________  
Lv. Job: __________  
24 Hrs.  
Or. No.: __________  

Bit-Size: __________  
Type: __________  

Casing-Size: 12 in., Length in hole: 720 ft.  
In., Amt. Perforated: __________ ft. __________ in.  

Depth Start: __________ ft., Depth Stop: __________ ft., Feet Drilled: __________  

Water Levels, Time: M 324 ft., Time: M __________ ft.  

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Measurements</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

We start the Test Pumping at 11:00 AM.  
We pumped 13 hrs - from 11:00 AM to 12:00 midnitt  
We are pumping about 9:45 to 9:30 P.M. with 10' draw down  
Pumped 13 hrs  

Remarks: We had to redo the discharge (44 ft.) for the state (customer) to get correct meter reading. Picked up diesel fuel for the engine.  

Signed: T. Cunningham  
Date: Feb 29, 1972
Date: Feb 28, 1972  
Job No. 51-KW-X  
Hole No. 1125-01  
Elevation:  

Customer: Dept. 4, W. Resources  
Location: Kilauea, Kauai, Hi.  

Driller: T. Cunningham  
6 Hrs.  
Rig: 60L  

Helper: W. Ching  
6 Hrs.  
Gas:  
Oil:  

Helper: C. Ching  
6 Hrs.  
Repairs:  

Arv. Job: 7:00  
Lv. Job: 11:00  
Hrs.  
Or. No.:  

Bit Size:  
Type:  

Casing Size:  
in., Length in hole: 20 ft.  
Amt. Perforated:  
in.  

Depth Start:  
ft., Depth Stop:  
ft., Feet Drilled:  

Water Levels, Time:  
M 574 ft., Time:  
M  
ft.  

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>We pump developed well.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pumping completely clean</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>water no color</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pump 800 g.p.m. with</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>6 ft. draw down</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>we finished developing the well</td>
<td></td>
</tr>
</tbody>
</table>

Signed: T. Cunningham  
Date: Feb 28, 1972
Date: Feb. 27, 1972  Job No. 5-TW-8  Hole No. 125-01  Elevation ______ ft.
Customer: State Dept. of L & U Resources  Location: Kilauea, Kauai, Hi.
Driller: J. Cunningham  10 Hrs.  Rig: GOL
Helper: W. Evenson  10 Hrs.  Gas: ___________  Oil: ___________
Helper: E. Ching  10 Hrs.  Repairs: ___________

Bit-Size: ___________  Type: ___________
Water Levels, Time: M 373 ft., Time: M ______ ft.

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>799 ft.</td>
<td></td>
<td>We finish set the 8&quot; Pump</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pump sitting 417' with the bowl</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Air line # 392</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>We start pumping at 1:30 P.M., water level before start: 373'-372'</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>We Pumped 800 to 850 gpm with 6-7 ft.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dew Point, We Pumped some at 1400 to 1500 gpm with 12 ft.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dew Point, We Pumped some at 1400 to 1500 gpm with 12 ft.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>We Pumped considerable color at first Pump 1000 gpm, Pumped.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>We Pumped tilt till 4:30 P.M., We Pumped</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Clean at 800 gpm, We surged from 1:30</td>
<td></td>
</tr>
</tbody>
</table>

Remarks: We only Pump a short time at 1000-1200 gpm.

Signed: J. Cunningham  Date: Feb. 27, 1972
Date: Feb 26 1972  
Job No: 51-16-8  
Hole No: 125-01  
Elevation: ft.  

Customer: State Dept. of Land & Natural Resources, Kilohana, Kauai, Hi

Driller: T. Cunningham  
10 Hrs.  
Rig: 606  

Helper: W. Evans  
10 Hrs.  
Gas: Oil  

Helper: E. Chung  
10 Hrs.  
Repairs:  

Arv. Job: 7  
Lv. Job: 5  
Or. No.:  

Bit-Size: 12  
Type: Stan  

Casing-Size: 9  
in., Length in hole: 220 ft.  
in.  

Depth Start: 788 ft.  
Depth Stop: 790 ft.  
Feet Drilled: 2  

Water Levels, Time: 8:00 M 273 ft., Time: M ft.  

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>788</td>
<td>Redlands Clay &amp; Lava Rock</td>
<td>We bored this well good.</td>
<td></td>
</tr>
<tr>
<td>790</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks: We are still setting the pump.

Signed: T. Cunningham  
Date: Feb 26 1972
Date: Feb 25 1972  
Job No: SKW-8  
Hole No: 1125-01  
Elevation: 

Customer: State Dept. of Land & Natural Resources  
Location: Kilauea, Kauai, HI

Driller: T. Cunningham  
10 Hrs. Rig 606

Helper: E. Ching  
10 Hrs. Gas:  

Helper:  
Hrs. Repairs:  

Arv. Job: 7'  
Lv. Job: 5'  
Hrs. Or. No.: 

Bit-Size: 12  
Type: 

Casing-Size: 12 in., Length in hole 420 ft.  
Amt. Perforated:  
in.

Depth Start: 773 ft.; Depth Stop: 788 ft.; Feet Drilled: 15

Water Levels, Time: M 373 ft., Time: M 3 ft.

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>772</td>
<td>Mod. To Hard Lava Rock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>780</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>788</td>
<td>Red Cinders, Thickers &amp; Lava Rock</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks: Build up the bit once.

Signed: T. Cunningham  
Date: Feb 25 1972
Date: Feb 24, 1972  
Job No.: 7-AW-8  
Hole No.: 128-01  
Elevation: _____ ft.  

Customer: State Dept. of Lands \& Natural Resources  
Location: Makaha, Oahu, HI

Driller: T. Cunningham  
10 Hrs. Rig 606

Helper: E. Chang  
10 Hrs. Gas/ Oil

Arv. Job 7:15 AM  
Lv. Job 5:15 PM

---

Bit-Size: 12  
Type: Star


Depth Start: 763 ft., Depth Stop: 773 ft., Feet Drilled: 10

Water Levels, Time: 8:30 AM  
373 ft., Time: _____ M _____ ft.

---

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>763</td>
<td>HARD Blue Rock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>764</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>764</td>
<td>BIRN. + Grey Lava Rock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>772</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks: 

- Better Bottom of Bit  
- Pretty Much Drilling Hard Rock  
- Build up on the Bit  
- Bit 3 Times

---

Signed: T. Cunningham  
Date: Feb 24, 1972

Customer: State Dept. of Land & Natural Resources  Location: Kilauea, Kauai, Hi

Driller: V. Cunningham  8 Hrs.  Rig: 60C

Helper: H. Chung  8 Hrs.

Arv. Job: 8  Dlv. Job: 4  Or. No: 

Bit Size: 12  Type: Star


Depth Start: 760 ft., Depth Stop: 763 ft., Feet Drilled: 3


<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>759</td>
<td>Hard Blue Rock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>763</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Measurements

Remarks: Drilling making less mud, we rebabbit on the South.

Signed: V. Cunningham  Date: Feb 23, 1972
Date: Feb. 27, 1972  
Job No. 57-1W-8  
Hole No. 125-01  
Elevation: 125 ft.

Customer: State Dept of Land & Natural Resources  
Location: Kilauea, Kauai, HI.

Driller: T. Cunningham  
9 Hrs.  
Rig 604

Helper: E. Chung  
9 Hrs.  
Gas:  
Oil:

Arv. Job Code:  
Loc. Job Code:  
Hrs.:  
Or. No.:  

Bit-Size: 12 in.  
Type: Gas

Casing-Size: 12 in.  
Length in hole: 750 ft.  
Am. Perforated: 760 ft.  

Depth Start: 750 ft.  
Depth Stop: 760 ft.  
Feet Drilled: 10

Water Levels, Time: M 394 ft., Time: M 394 ft.

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>748</td>
<td>Soft to med. hard rock</td>
<td>Seem to be knocking down some sand with the pocket</td>
<td>A</td>
</tr>
<tr>
<td>488</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>959</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks: ____________________________________

Signed: T. Cunningham  
Date: Feb. 27, 1972
### Well Drilling Report

**Date:** Feb 21, 1972  
**Job No.:** 51-100-8  
**Hole No.:** 12-5-01  
**Elevation:** ft.

**Customer:** State Dept of Land & Natural Resources  
**Location:** Milaue, Kauai, Hi.

**Driller:** T. Cunningham  
**Hrs.:** 8  
**Rig:** G0C

**Helper:** F. Chung  
**Hrs.:** 8  
**Gas:** Oil

**Arv. Job:** 8:  
**Lv. Job:** 4:

**Bit-Size:** in.  
**Type:** Star

**Casing-Size:** in., **Length in hole:** 420 ft.  
**Amnt. Perforated:** ft. in.

**Depth Start:** 730 ft., **Depth Stop:** 750 ft.  
**Feet Drilled:** 20

**Water Levels, Time:** M 774 ft., **Time:** M ft.

### Depth Formations

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>721</td>
<td>Grey Love Rock, Hard Sifts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>735</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>748</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**  
Lighthouse line to take one.  We fix the Bridge crossing over creek. Put in pipe for overflow. We build the 18 ft. casing on the hole.

**Signed:** T. Cunningham  
**Date:** Feb 21, 1972
Customer: State Dept of Land and Natural Resources  Location: Haleuu, Kauai, Hi.
Driller: T. Cunningham  8 Hrs.  Rig 60c
Helper: L. Chung  5 Hrs.  Gas
Helper: __________  Hrs.  Oil
Arv. Job 8  Hr. Job 4

Bit-Size 12
Casing-Size 12 in., Length in hole 920 ft.  in., Amt. Perforated ________ ft. ________ in.
Depth Start 61/2 ft., Depth Stop 632 ft., Feet Drilled 20

Water Levels, Time 9:00 AM 777 ft., Time ________ M ________ ft.

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/12</td>
<td>Grey + Some Red Rock, Hard Shale</td>
<td></td>
</tr>
<tr>
<td>632</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks: We picked up the wells at the dock 7:30 AM

Signed: T. Cunningham  Date Feb. 14 1972
<table>
<thead>
<tr>
<th>Date</th>
<th>Feb 19, 1972</th>
<th>Job No.</th>
<th>37-1/4-8</th>
<th>Hole No.</th>
<th>135-01</th>
<th>Elevation</th>
<th>ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Customer</td>
<td>Dept. of Land &amp; Natural Resources</td>
<td>Location</td>
<td>Kilauea, Kauai, Hi.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Driller</td>
<td>T. Cunningham</td>
<td>8 Hrs.</td>
<td>Rig 602</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Helper 1</td>
<td>E. Shirey</td>
<td>8 Hrs.</td>
<td>Gas</td>
<td>Oil</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Helper 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8 Hrs.</td>
<td>Repairs</td>
<td></td>
</tr>
<tr>
<td>Arr. Job</td>
<td></td>
<td></td>
<td></td>
<td>Or. No.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ltv. Job</td>
<td></td>
<td></td>
<td></td>
<td>Or. No.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drilling</td>
<td></td>
<td></td>
<td></td>
<td>Or. No.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average</td>
<td></td>
<td></td>
<td></td>
<td>Or. No.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td></td>
<td></td>
<td></td>
<td>Or. No.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bore Hole</td>
<td></td>
<td></td>
<td></td>
<td>Or. No.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Measurements</td>
<td></td>
<td></td>
<td></td>
<td>Or. No.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Type       | Steel        |          |           | Or. No.  |         |           |     |
| Casing-Size|              |          |           | Or. No.  |         |           |     |
| Length     |              |          |           | Or. No.  |         |           |     |
| Depth Start| 71-5/8 ft.   |          |           | Or. No.  |         |           |     |
| Depth Stop | 718 ft.      |          |           | Or. No.  |         |           |     |
| Feet Drilled|             |          |           | Or. No.  |         |           |     |

| Water Levels, Time | 274 ft., Time | M. 72 ft. | M. 72 ft. |

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>718 ft.</td>
<td>Red Cinder &amp; Cinder Lava Rock</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks: The oil pan was full of water, we drained and refilled with oil. Referilled with water, the drain the second time. Put in a case of beer, right before someone will get an oil. (Drainable, unable to work on bridge.)

Signed: T. Cunningham | Date: Feb 19, 1972
Date: Feb. 18, 1972  
Job No.: 51-KW-8  
Hole No.: 125-01  
Elevation: ________ ft.  
Customer: State Dept. of Land & Natural Resources  
Location: Kiluaea, Kauai, Hi.  

Driller: I. Cunningham  
8 Hrs.  
Rig: 601  

Helper: E. Chung  
8 Hrs.  
Gas: ________  
Oil: ________  

Helper: ________  
Hrs.: ________  
Reairs: ________  

Arv. Job: ________  
Lv. Job: ________  
Hrs.: ________  
Or. No.: ________  

Slit-Size: ________  
Type: ________  

Casing-Size: ________ in., Length in hole: ________ ft.  
Amt. Perforated: ________ ft. ________ in.  

Depth Start: ________ ft., Depth Stop: ________ ft., Feet Drilled: ________ ft.  

Water Levels, Time: ________ M ________ ft.  
Time: ________ M ________ ft.  

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>700</td>
<td>Gray-Sem. Red Rock Hard Strecks</td>
<td>Nothing very little Oil below</td>
<td>A</td>
</tr>
<tr>
<td>715</td>
<td></td>
<td>From 22% Downdip</td>
<td>B</td>
</tr>
</tbody>
</table>

Remarks: Late start, drilling wait for mud to continue as deeper water seems to be getting into oil pan of Rig Engine.

Signed: I. Cunningham  
Date: Feb. 18, 1972
**Date**: Feb 17, 1972  
**Job No.**: 57/15  
**Hole No.**: 135-01  
**Elevation**: ______ ft.

**Customer**: State Dept. of Natural Resources  
**Location**: Kilauea, Kauai, HI

**Driller**: Cunningham  
**Helper**: E. King  
**Arv. Job**: 9:30  
**Lv. Job**: 5:30

**Hrs.**:  
**Rig CCL**: 5  
**Gas**: 0  
**Oil**: 0  
**Repairs**: ______

**Bit-Size**: ______  
**Type**: ______  

**Depth Start**: 675 ft., **Depth Stop**: 200 ft., **Feet Drilled**: 25

**Water Levels, Time**: M 7:45 ft., Time: M 4 ft., ______ ft.

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
<th>Measurements</th>
</tr>
</thead>
<tbody>
<tr>
<td>675</td>
<td>Gray-Sand</td>
<td>Red-Peak</td>
<td>Sand</td>
<td>A</td>
</tr>
<tr>
<td>700</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Remarks**: Picked up Whitney at airstrip 7:00 A.M.

**Signed**:  
**Date**: Feb 17, 1972
Date: Feb. 16, 1972  
Job No.: 51-11-3  
Hole No.: 125-01  
Elevation: __________ ft.  

Customer: State Dept. of Land & Natural Resources  
Location: Kilauea, Kauai, HI.  

Driller: T. Cunningham  
8 Hrs.  
Rig: 601.  

Helper: E. Ching  
8 Hrs.  
Gas: __________  
Oil: __________  
Repairs: __________  

Arv. Job: 7:30  
Lv. Job: 7:40  
Or. No.: __________  

Bit-Size: 12  
Type: SHA.  

Casing-Size: 12 in., Length in hole: __________ ft.  
Amt. Perforated: __________ ft.  


<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>652</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>675</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Measurements:  

Remarks:  

Fix tail lights.  

Signed: T. Cunningham  
Date: Feb. 16, 1972 
Date: Feb. 15 1972  
Job No. 51-15-8  
Hole No. 1125-01  
Elevation: ft.  

Customer: State Dept. of Land & Natural Resources  
Kauai, Kauai, Hi.  

Driller: T. Cunningham  
8 Hrs.  
Rig 602  

Helper: F. Ching  
8 Hrs.  
Gas: Oil  

Helper: E. Cheung  
8 Hrs.  
Repairs:  

Arv. Job: 6:30  
Lv. Job: 6:30  

Bit-Size: 12  
Type: Stat  

Casing-Size: 12  
in., Length in hole: 420  
ft., in., Amt. Perforated: ft. in.  

Depth Start: 632  
ft., Depth Stop: 652  
ft., Feet Drilled: 20  

Water Levels, Time: M 374  
ft., Time: M  

Measurements  

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>632</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>652</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:  

Signed: T. Cunningham  
Date: Feb. 15 1972  

Depth Start: 632 ft., Depth Stop: 652 ft., Feet Drilled: 20  

Grey Silt with Red Rock Found Streak.
NOTE: DEPTH OF WELL: 400'
Date: Feb. 12 1972  
Job No: 57-406-8  
Hole No: 1125-01  
Elevation:  

Customer: State Dept of Land & Natural Resources  
Location: Kilauea, Kauai, HI  

Driller: I. Cunningham  
Hrs: 8  
Rig: 001  

Helper: E. Olting  
Hrs: 8  
Gas:  
Oil:  
Repairs:  

Arv. Job:  
Lv. Job: 41  

Drill Size: 12  
Type:  

Casing Size: 12\(\frac{1}{4}\) in.  
Length in hole: 420 ft.  
Amt. Perforated:  
in.  

Depth Start: 65\(\frac{1}{2}\) ft.  
Depth Stop: 612 ft.  
Feet Drilled: 7  

Water Level:  
Time: M 17\(\frac{3}{4}\) ft.  
Time: M  

---

### Measurements

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
</tr>
</thead>
</table>

**Remarks:**

- We spool about 1100 to 1150 ft. of new drilling cable.
- We lost the Babbit on the bottom. Continued drilling.
- Our bridge across creek almost washed out, big hole.
- Wrenched truck. Put 20.3 large rocks into hole.

**Signed:** I. Cunningham  
**Date:** Feb. 12 1972
### Field Work Report

**Date:** Feb. 11, 1972  
**Job No.:** 57-152-8  
**Hole No.:** 8125-01  
**Elevation:** __________ ft.

**Customer:** State Dept. of Land & Natural Resources  
**Location:** Kilauea, Kauai, HI.

**Driller:** T. Cunningham  
**Helper:** E. Chang  
**Arv. Job:** 8'  
**Lv. Job:** 4'  
**Hrs.:** 8  
**Type:** __________

---

**Bit-Size:**  
**Type:** __________

**Casing-Size:** __________ in., **Length in hole:** __________ ft., **Amt. Perforated:** __________ ft., **in.**

**Depth Start:** __________ ft., **Depth Stop:** __________ ft., **Feet Drilled:** __________

**Water Levels, Time:** M 775, **Time:** M __________ ft.

---

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>680</td>
<td></td>
<td>________</td>
</tr>
<tr>
<td>685</td>
<td></td>
<td>________</td>
</tr>
</tbody>
</table>

**Measurements**

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
</tr>
</thead>
</table>

**Remarks:**

- Pull off the Drill Cable, Roll onto wood spool
- We'll release the divider...Shell reel, more it wasn't all for our credit to be spooled on.

**Signed:** T. Cunningham  
**Date:** Feb. 11, 1972
### Well Drilling Log

**Date:** Feb 10, 1972  
**Job No:** SHW-S  
**Hole No:** 125-01  
**Elevation:** ft.

**Customer:** State Dept. of Land & Natural Resources  
**Location:** Maui, Maui, HI

<table>
<thead>
<tr>
<th>Driller</th>
<th>Hrs.</th>
<th>Rig</th>
<th>Helper</th>
<th>Hrs.</th>
<th>Gas</th>
<th>Oil</th>
<th>Helper</th>
<th>Hrs.</th>
<th>Repairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>T. Cunningham</td>
<td>8</td>
<td>GDL</td>
<td>E. Ching</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Arv. Job:** 8', **Lv. Job:** 4'

**Bit-Size:** 12  
**Type:**  

**Casing-Size:** 12 in., Length in hole 580 ft., Amt. Perforated 20 ft., in.

**Depth Start:** 580 ft., **Depth Stop:** 600 ft., **Feet Drilled:** 20

**Water Levels, Time:**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>580</td>
<td>Grey rock, hard streak</td>
<td>Grey rock, hard streak</td>
<td></td>
</tr>
<tr>
<td>580</td>
<td>Grey, well bed rock</td>
<td>Material we failed out seems</td>
<td></td>
</tr>
<tr>
<td>600</td>
<td>Hard streaks</td>
<td>Just a little more course</td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

---

**Signed:** T. Cunningham  
**Date:** Feb 10, 1972
Date: Feb 9, 1972  
Job No: 51-Kw-8  
Hole No: 1125-01  
Elevation:  

Customers: Dept. of Land and Natural Resources  
Location: Tilauei, Kauai, Hi.  

Driller: T. Cunningham  
8 Hrs.  
Rig 580c  

Helper: E. Chung  
8 Hrs.  
Gas:  
Oil:  

Arv. Job 8', Lv. Job 4'  
Hrs.  
Or. No.  

Bit-Size: 12  
Type: Star  

Casing-Size: 12 in.  
Length in hole: 4,210 ft.  
Amt. Perforated:  

Depth Start: 560 ft.  
Depth Stop: 580 ft.  
Feet Drilled: 20  

Water Levels: Time: 5:00 AM  

Measurements  

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>560</td>
<td>Greg Rock, Willhard Stock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>580</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks: We tightened Engine Clutch, Stopped the Slipping  

Signed: T. Cunningham  
Date: Feb 9, 1972
Date: Feb 8, 1972  
Job No: 51-HW-8  
Hole No: 1125-01  
Elevation: __________ ft.  

Customer: State Dept. of Land & Natural Resources  
Location: Kilauea, Kauai, Hi.  

Driller: T. Cunningham  
8 Hrs.  
Rig: 60L  

Helper: C. Ching  
8 Hrs.  
Gas: __________  
Oil: __________  
Reparis: __________  

Arv. Job: 8  
Lv. Job: 4  
Or. No: __________  

Bit: Size: 12  
Type: Star  

Casing-Size: 14 in., Length in hole: 420 ft.  
Amt. Perforated: __________ ft. __________ in.  
Depth Start: 541 ft., Depth Stop: 560 ft., Feet Drilled: 19  

Water Levels, Time: __________ ft., Time: __________ M: __________ ft.  

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>541</td>
<td>Gray Rock with Hard Chalk</td>
<td></td>
<td></td>
</tr>
<tr>
<td>560</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:  

Signed: T. Cunningham  
Date: Feb 8, 1972
Customer: State Dept. of Land and Natural Resources  Location: Kilaeua, Kauai

Driller: T. Cunningham  8 Hrs.  Rig 604
Helper: L. Ling  8 Hrs.  Gas  Oil

Bit-Size: 12 in.  Type:  Stat
Depth Start: 525 ft., Depth Stop: 571 ft., Feet Drilled: 16

Water Levels, Time: M 376 ft., Time: M  ______ ft.

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>525</td>
<td>Brown &amp; Grey Rock, with Soft streaks</td>
<td></td>
</tr>
<tr>
<td>571</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks: Rain, muddy, we have some trouble with engine, Clutch slipping

Signed: T. Cunningham  Date: Feb. 7, 1972
Date: Feb 5 1972  Job No: 57-1928  Hole No: 1125-01  Elevation: __________ ft.
Customer: State Dept. of Land & Natural Resources  Location: Kaneohe, Oahu, HI

Driller: J. Cunningham  8 Hrs.  Rig: 60-
Helper:  8 Hrs.  Gas:  Oil: 
Helper: C. Ching  8 Hrs.  Repairs: 

Bit-Size: 12  Type: Stan
Depth Start: 512 ft., Depth Stop: 525 ft., Feet Drilled: 12

Water Levels, Time: M 7:26 ft., Time: M 4 ft.

<table>
<thead>
<tr>
<th>Measurement</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>512 ft.</td>
<td>Med. Crete Black Rock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>525 ft.</td>
<td></td>
<td>Formation in Sandy Sand</td>
<td></td>
</tr>
</tbody>
</table>

Remarks: ________________________________

Date: Feb 5 1972

Signed: J. Cunningham  Date: Feb 5 1972
Date: Feb 4 1972  
Job No: 51-KW-8  
Hole No: 1125-01  
Elevation: ft.

Customer: State Dept. of Land & Natural Resources  
Location: Kualoa, Hawai'i

Driller: J. Cunningham  
8 Hrs.  
Rig 604

Helper: L. Ching  
8 Hrs.  
Gas: Oil

Arv. Job: 7:45  
Lv. Job: 4:30  
8 Hrs.

Bit-Size: 12

Casing-Size: 

Depth Start: 500 ft., Depth Stop: 512 ft., Feet Drilled: 12

Water Levels, Time: M 3 26 ft., Time: M ft.

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>Clay &amp; grey rock</td>
<td></td>
</tr>
<tr>
<td>506</td>
<td></td>
<td></td>
</tr>
<tr>
<td>506</td>
<td>Med. grey &amp; black rock</td>
<td>Making very little mud, the material we had cut looks like black salt &amp; sand formations. Seems fairly hard, especially in spots.</td>
</tr>
<tr>
<td>512</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks: the creek was flooding, had to wait a while for water to go down, before we could cross to new site. We had to repair the drill house, the top had blown off during the night.

Signed: J. Cunningham  
Date: Feb 4 1972
Date: Feb 3, 1972  
Job No. 51-WM  
Hole No. 1125-0  
Elevation:  

Customer: State Dept. of Land  
Location: Kiawe, Kauai, Hi.

Driller: J. Cunningham  
Hrs.:  
Rig: Go L

Helper: E. Ching  
Hrs.:  
Gas:  
Oil:  
Repairs: 

Arv. Job:  
Lv. Job:  

Bit-Size:  
Type, Stats:  

Casing-Size: 12 in., Length in hole: 420 ft.  
Amt. Perforated:  

Depth Start:  
Depth Stop:  
Feet Drilled:  

Water Levels, Time: M ft., Time: M ft.

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
</table>
| 5'10" |           | We finish pull out the 8" pump & 4'7' total  
         |           |        |     |
|       |           |        |     |
|       |           |        |     |
|       |           |        |     |

Remarks:  

Signed: J. Cunningham  
Date: Feb 3, 1972
Date: Feb. 2, 1972  
Job No.: 57-16-25  
Hole No.: 1135-01  
Elevation: ______ ft.

Customer: State Dept. of Land and Natural Resources  
Location: Kauai, Hawaii HI

Driller: J. Cunningham  
8 Hrs.  
Rig: 60 L

Helper: E. Ching  
8 Hrs.  
Gas: _______  
Oil: _______  
Repairs: _______

Arr. Job: 8:00  
Job: 4:15  
Hrs.: ________  
Or. No.: ________

Bill Size: _______  
Type: _______

Casing Size: _______  
in., Length in hole: _______  
ft., Amt. Perforated: _______  
in., feet Drilled: _______

Depth Start: _______  
ft., Depth Stop: _______  
ft., Feet Drilled: _______

Water Levels: Time: M_________ ft., Time: M_________ ft.

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>We take the pump engine out of back disk drive.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pump head discharge.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>We pull out the pump f a i r l i n e.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pulled 160 ft.</td>
</tr>
</tbody>
</table>

Measurements

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
</tr>
</thead>
</table>

Remarks: _____________________________________________________________

Sign: J. Cunningham  
Date: Feb. 2, 1972
Date: Feb. 1, 1972

Job No. 51-1W-8
Hole No. 1125-01

Elevation: ______ ft.

Customer: State Dept. of Land & Natural Resources
Location: Waianae, Oahu, Hi.

Driller: Cunningham
12 Hrs.

Rig: 604

Helper: J. Ching
12 Hrs.

Gas: ______

Oil: ______

Helper: ______

Hrs.: ______

Repairs: ______

Arv. Job 12: ______

Lv. Job: 9:30

Hrs.: ______

Or. No.: ______

Bit-Size: ______ Type: ______

Casing-Size: ______ in.
Length in hole: ______ ft.
Amt. Perforated: ______ ft.

Depth Start: ______ ft.
Depth Stop: ______ ft.
Feet Drilled: ______

Water Levels, Time: ______ M ______ ft.
Time: ______ M ______ ft.

Measurements

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Test Pump on from 12:00 Midnight till 9:00 AM</td>
<td>Time Test Pumped 9 1/2 Hrs.</td>
</tr>
<tr>
<td></td>
<td>Time Test Pumped 20 1/2 Hrs.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Test Pump down</td>
<td></td>
</tr>
</tbody>
</table>

Remarks: Total time Test Pumped 20 1/2 HRS.

Road into hole was muddy.

Signed: Cunningham
Date: Feb. 1, 1972

<table>
<thead>
<tr>
<th>Remarks</th>
<th>Measurements</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Date: Jan. 31, 1972  
Job No: S1-KW-8  
Hole No: 1125-01  
Elevation: __________ ft.

Customer: State Land & Natural Resources  
Location: Kilauea, Hawaii

Driller: Troy Cunningham  
13 Hrs.  
Rig: 606  

Helper: Earl Ching  
13 Hrs.  
Gas: Oil

Helper: ____________ Hrs.  

Arv. Job: 8:30 AM  
Lv. Job: 12:00 PM  
Hrs.: ____________ Or. No.: ____________

<table>
<thead>
<tr>
<th>Bit-Size</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>____________</td>
<td>____________</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing-Size</th>
<th>in., Length in hole</th>
<th>ft.</th>
<th>in., Amt. Perforated</th>
<th>ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>____________</td>
<td>____________</td>
<td></td>
<td>____________</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth Start</th>
<th>ft., Depth Stop</th>
<th>ft., Feet Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>____________</td>
<td>____________</td>
<td>____________</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water Levels, Time</th>
<th>M. 76 ft., Time</th>
<th>M. ____________ ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>____________</td>
<td>____________</td>
<td>____________</td>
</tr>
</tbody>
</table>

**Remark:**

We arrived at 8:30 AM. 

Tubing being set, Start Pump Engine with Start Pumping.

At 9:45, Developing Hole made up once again, and we develop the well from 9:45 AM till 1:00 PM at which time we started the Pump Test. 

Test Pump from 1:00 PM to 12:00 Midnight (Continue pumping through the night). 

Pump 110 gal. to 140 gal. with 17 to 20' drawdown

**Remarks:** 

Test Pump 11 Hrs.

Signed: Troy Cunningham  
Date: Jan. 31, 1972
**Date:** Jan 29, 1972  
**Job No.:** 51-KU8  
**Hole No.:** 125-01  
**Elevation:**  ft.  
**Customer:** State Land & Resources  
**Location:** Wai'anae, Oahu, HI.

**Driller:** Sam Leslie  
**Hrs.:** 10

**Rig:** GL-2

**Helper:** Joseph Cunningham  
**Hrs.:** 10

**Gas:** Oil

**Earl Ching**  
**Hrs.:** 10

**Reps.**

<table>
<thead>
<tr>
<th>Arv. Job</th>
<th>Lv. Job</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>5</td>
</tr>
</tbody>
</table>

| 8            | 8        |

**Or. No.:** __________

**Bit-Size:**

**Casing-Size:**

**Depth Start:** ft.  
**Depth Stop:** ft.  
**Feet Drilled:**

**Water Levels:**

### Measurements

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **We finished Set 400 ft.**
- **Pump start the pumping at about 10:30 A.M.**
- **Pump will total** 5 P.M. Pumping less than 400 gal. per minute with the draw down at 397' static 375'.

**Remarks:**

**Signed:** Roy Cunningham  
**Date:** Jan 29, 1972
Date: 1-25-72

Job No.____ Hole No.____ Elevation ____ ft.

Customer: John Septic Location: Kailua, Hawaii

Driller: Fray C. Hrs. Rig: 10
Helper: Earl Ching Hrs. Gas: 10
Hrs. Oil:

Arv. Job 7:00 lv. Job 5:00 Hrs: 40

Or. No.:____

Bit-Size:____ Type:____
Casing-Size 12 in., Length in hole 450 ft. in., Amt. Perforated ft. in.

Depth Start ft., Depth Stop 500 ft., Feet Drilled ______

Water Levels, Time____ M ft., Time____ M ft.

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Measurements:

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks: Parking at Dock North Korea and 400 ft line

Signed: Joe Lamie Date: 1-25-72 19
<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td><strong>Unload Water Equipment at dark ship to Honolulu</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Back to jet set 160'</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>A 160' 4&quot; city line</strong></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:

Signed: Joe E. Date: 1-27-72
<table>
<thead>
<tr>
<th>Date</th>
<th>1-26-72</th>
<th>Job No.</th>
<th>Hole No.</th>
<th>Elevation ft.</th>
<th>Customer Dept. Water Land Stated Location Kilauea Hawaii</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Joe Egan</td>
<td>5 Hrs.</td>
<td>Rig</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Helper</td>
<td>Paul Ching</td>
<td>5 Hrs.</td>
<td>Gas</td>
<td>Oil</td>
<td></td>
</tr>
<tr>
<td>Helper</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arv. Job</td>
<td>8:00</td>
<td>Lv. Job</td>
<td>4:20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hrs.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Or. No.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bit-Size</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth Start</td>
<td>495</td>
<td>ft.</td>
<td>Depth Stop</td>
<td>500 ft.</td>
<td>Feet Drilled</td>
</tr>
<tr>
<td>Water Levels, Time</td>
<td>M.</td>
<td>ft.</td>
<td>M.</td>
<td>ft.</td>
<td>Measurements</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>495</td>
<td>Fr. Rock or Clay</td>
<td>Finish Drilling to 500 ft.</td>
</tr>
<tr>
<td>6/0</td>
<td></td>
<td>Take tub Full off pickup, set on ground,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Feed-pickup with ground Lead to muddy pile Location</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lead parts Equipment on the truck and pickup take to park</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dock over close has not left out yet</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Jet line or Big truck take to Pacific Service yet for</td>
</tr>
</tbody>
</table>

Remarks:

---

Signed Joe Lucas Date 1-26-72 1972
Date: 1-25-1972  
Job No.   
Hole No.   
Elevation   ft.  

Customer Dept. Water & Land Survey Location

Driller Joe Lane  8 Hrs. Rig
Helper Earl Ming  8 Hrs. Gas  Oil
Helper Earl Ming  8 Hrs. Repairs

Bit-Size 1\'  
Casing-Size \(1\frac{\frac{\text{in.}}{\text{in.}}}{} \) Length in hole 420 ft. in.  Amm. Perforated 4 ft. in.
Depth Start 475 ft., Depth Stop 195 ft., Feet Drilled 20

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>475</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>495</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Water Levels, Time M ft., Time M ft.

Measurements

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:

Signed Joe Lane  Date 1-25-1972
### Drilling Log Entry

- **Date**: 1-24 1972
- **Job No.**
- **Hole No.**
- **Elevation**
- **Customer**: Dept Water & Land  St of Hawaii  Location: Kalania, Hawaii

<table>
<thead>
<tr>
<th>Driller</th>
<th>5 Hrs.</th>
<th>Rig</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joe Garcia</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Helper</th>
<th>8 Hrs.</th>
<th>Gas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fred Chung</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Helper</th>
<th>8 Hrs.</th>
<th>Repairs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Arv. Job**: 5:00
- **Lv. Job**: 4:00
- **Hrs.**
- **Or. No.**

- **Bit Size**: 12
- **Casing Size**: 12 in., Length in hole: 420 ft. in., Amt. Perf. ft. ft. in.

- **Depth Start**: 40 ft., Depth Stop: 475 ft., Feet Drilled: 15


### Measurements

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>475</td>
<td>Three Rock, Sand clay</td>
<td>Build up bit</td>
<td></td>
</tr>
<tr>
<td>460</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Remarks**: Measure Hole or to 460' Check water level

*Signed by Joe Garcia*  
**Date**: 1-24 1972
Date: 1-23-1972

Customer: Water & Land Development, Hawaii
Location: Kailua, Hawaii

Driller: Joe Lassila
Helper: 5 Hrs.
Helper: Hrs.
Helper: Hrs.
Arv. Job: 
Lv. Job: 
Or. No.:

Bit-Size: 
Type: 

Casing-Size: 10 in., Length in hole: 490 ft., Amt. Perforated: 
in.
Depth Start: 
Depth Stop: 
Feet Drilled: 

Water Levels, Time: M. ft., Time: M. ft.

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>&quot;Went to Job Install&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Battery Ave. Vehicle Rig stole on rig motor</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Run Rig Motor Make sure every 2000 ft.</td>
</tr>
</tbody>
</table>

Remarks: 

Signed: Joe Lassila Date: 1-23-1972
**Date:** 1-22-1972  
**Job No.:**  
**Hole No.:**  
**Elevation:** ft.  

**Customer:** Dept. Water  
**State of Hawaii**  
**Location:** Wailua, Hawaii

**Driller:** Joe Lomeli  
**Hrs. Rig:** 10  

**Helper:**  
**Hrs. Gas:**  
**Hrs. Oil:**  
**Hrs. Repairs:**  

**Arr. Job:**  
**Lv. Job:**  
**Or. No.:**  

**Bit-Size:**  
**Type:**  

**Casing-Size:** 12 in.  
**Length in hole:** 420 ft.  
**Amt. Perforated:** ft. in.  

**Depth Start:** ft.  
**Depth Stop:** ft.  
**Feet Drilled:**  

**Water Levels, Time:** M ft., Time: M ft.  

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Went to Job Taking Ch. Battery, Ak &amp; Villager, Regulator &amp; Rig Motor</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Back to town to check Chasis Battery</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pickup at 5:00 P.M</td>
</tr>
</tbody>
</table>

**Remarks:**

---

**Signed:** Joe Lomeli  
**Date:** 1-22-1972
Date: Jan 18 1972  Job No. : Hole No. : Elevation : ft.

Customer:  Site: Location:

Driller: W. Kwong 8 Hrs. Rig: 602
Helper: R. Whitney 8 Hrs. Gas:  Oil:


Bit-Size: 12 Type: STN
Depth Start: 250  ft., Depth Stop: 462  ft., Feet Drilled: 12

Water Levels, Time: M  ft., Time: M  ft.

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
<th>Measurements</th>
</tr>
</thead>
<tbody>
<tr>
<td>450</td>
<td>Soft Brown Rock</td>
<td>Pick-up thermometer and Installed discharger</td>
<td>460</td>
<td>A  B</td>
</tr>
<tr>
<td>460</td>
<td></td>
<td>Ramping Stub.</td>
<td>470</td>
<td></td>
</tr>
<tr>
<td>470</td>
<td></td>
<td>Mix up bit, bit and tool</td>
<td>480</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Went back and took everything</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>New to plan</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:

Signed:  Halsey Evans  Date: Jan 18 1972
Date: Jan 17, 1972

Customer: State:
Location: Kahului

Driller: W. Evans
Helper: C. Whiting

Rig: 600
Gas: 
Oil: 
Repairs: 

Arv. Job: 
Lv. Job: 

Bit-Size: 
Type: 

Casing-Size: in., Length in hole ft., Amt. Perforated ft. in.

Depth Start: ft., Depth Stop: ft., Feet Drilled:

Water Levels, Time M ft., Time M ft.

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:
- Single cement pipe
- Cleaned top

- Nitrogen Air Compressor
- Well transferred to Valerie

Signed: Kamehameha Egan
Date: Jan 17, 1972
**DRILLING LOG**

**RUSCOE MOSS COMPANY**

830 AHUA STREET • HONOLULU, HAWAII 96819
TELEPHONE (808) 839-6888 • 833-1444

<table>
<thead>
<tr>
<th>Date</th>
<th>Jan 15 1972</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job No.</td>
<td></td>
</tr>
<tr>
<td>Hole No.</td>
<td></td>
</tr>
<tr>
<td>Elevation</td>
<td></td>
</tr>
</tbody>
</table>

**Customer:** Dept Land & Water  
**Location:** Kailua Kona

**Driller:** H Cruz  
**Helper:** R Wright  
**Helper:** L Renelle

<table>
<thead>
<tr>
<th>Hrs.</th>
<th>Rig</th>
<th>Gas</th>
<th>Oil</th>
<th>Repairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>60L</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Bit-Size**  
**Type**  
**Casing-Size** in., Length in hole ft. in., Amt. Perforated ft. in.  
**Depth Start** ft., Depth Stop ft., Feet Drilled

<table>
<thead>
<tr>
<th>Water Levels, Time</th>
<th>M</th>
<th>ft.</th>
<th>Time</th>
<th>M</th>
<th>ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Measurements**

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

- Retrieval commenced after 4 ft.
- 315 ft. to Appro 35 ft.
- Run out of cement

**Signed:** L Renelle  
**Date:** Jan 15 1972
Date: Jan 15, 1972  
Job No.:  
Hole No.:  
Elevation: ft.  
Customer: Dept Land & Water  
Location: Kailua, Hawaii  

Driller: R. F. Rice  
9 Hrs.  
Rig: 60 L  

Helper: R. T. Harrington  
9 Hrs.  
Gas:  
Oil:  

Helper: L. W. Atwell  
9 Hrs.  
Reparis:  

Arv. Job:  
Lv. Job:  
Hrs.:  
Or. No.:  

Bit-Size:  
Type:  


Depth Start: ft., Depth Stop: ft., Feet Drilled:  

Water Levels, Time: M ft., Time: M ft.  

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:  

Signed: L. W. Atwell  
Date: Jan 15, 1972
Date: Jan 14, 1972  
Job No.: ______  
Hole No.: ______  
Elevation: ______ ft.

Customer: State: Kilauea, Kauai

Driller: W. Eversy  
8 Hrs. Rig: 60k

Helper: R. Webster  
8 Hrs. Gas:  
Oil:  

Helper:  
Hrs. Repairs:

Arv. Job: ______  
Lv. Job: ______  
Hrs. Or. No.:

Bit-Size: ______  
Type: ______

Casing-Size: ______ in., Length in hole: ______ ft.  
Amt. Perforated: ______ ft.  
in.

Depth Start: ______ ft., Depth Stop: ______ ft., Feet Drilled:

Water Levels, Time: ______ M ______ ft., Time: ______ M ______ ft.,

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Water Levels Time: A ______ M ______ ft.  
Time: B ______ M ______ ft.

Measurements:

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
</tr>
</thead>
</table>

Remarks:

- Hooked up pump and  
- Started rig to rig  
- Lifted up cement  
- Air Compressor  
- Run shaft pipe  
- Started mixing grout

Signed: Kayland Eversy  
Date: Jan 14, 1972
Date: Jan 13 1972  
Customer:  
Location: Kiliwa, Kauai  
Driller: W. Enkev  
Helper: R. Whitney  
Arv. Job:  
Lv. Job:  
Rig: 608  
Gas:  
Oil:  
Repairs:  
Bit-Size:  
Casing-Size: in., Length in hole ft., Depth Start ft., Depth Stop ft., Feet Drilled  
Water Levels, Time M ft., Time M ft.  

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top, A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:  
- Source: Cement Strait  
- Called from Thin Hils  
- Pushed up water pipe and spiking top plug with point of test  
- Jump at rock  

Signed: Rayland Evian  
Date: Jan 13 1972
<table>
<thead>
<tr>
<th>Date</th>
<th>Jan 12 1972</th>
<th>Job No.</th>
<th>Hole No.</th>
<th>Elevation</th>
<th>ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Customer</td>
<td>State</td>
<td>Location</td>
<td>Kilua, Oahu</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Driller</td>
<td>W. Evens</td>
<td>P Hrs.</td>
<td>Rig.</td>
<td>60th</td>
<td></td>
</tr>
<tr>
<td>Helper</td>
<td>B. Whitney</td>
<td>P Hrs.</td>
<td>Gas</td>
<td>Oil</td>
<td></td>
</tr>
<tr>
<td>Hrs.</td>
<td></td>
<td></td>
<td>Repairs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arv. Job</td>
<td></td>
<td></td>
<td></td>
<td>Or. No.</td>
<td></td>
</tr>
<tr>
<td>Lv. Job</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hrs.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bit-Size</td>
<td></td>
<td>Type</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing-Size</td>
<td>in., Length in hole</td>
<td>in., Amt. Perforated</td>
<td>ft.</td>
<td>in.</td>
<td></td>
</tr>
<tr>
<td>Depth Start</td>
<td>ft., Depth Stop</td>
<td>ft., Feet Drilled</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Time M ft</td>
<td>M ft Time M ft</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Measurements**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Checked Cement Basket-</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Leaking Some-</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Found 5th. Cement flag-</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Washed up cement-</td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

Signed: Rayland Evens | Date: Jan 12 1972
**Date:** Jan 11, 1972  
**Driller:** W. Evans  
**Time:** 8 Hrs.  
**Rig:** 6A  
**Helper:**  
**Time:** Hrs.  
**Gas:**  
**Oil:**  
**Helper:**  
**Time:** Hrs.  
**Repairs:**  

**Arv. Job:**  
**Lv. Job:**  
**Hrs.:**  
**Or. No.:**  

**Bit-Size:**  
**Type:**  
**Casing-Size:** in., Length in hole ft.  
**in., Amt. Perforated** in., ft. in.  
**Depth Start:** ft., Depth Stop:** ft., Feet Drilled  

**Water Levels, Time:** M ft., Time:** M ft.  

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formations</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Bulka Rock Layer</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>To Martin Canyon</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bulka dump trash in</td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

**Signed:** Nayland Evans  
**Date:** Jan 11, 1972
<table>
<thead>
<tr>
<th>Date</th>
<th>Jan 10 1972</th>
<th>Job No.</th>
<th>Hole No.</th>
<th>Elevation</th>
<th>ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Customer</td>
<td></td>
<td>State</td>
<td></td>
<td>Location</td>
<td>Maui</td>
</tr>
<tr>
<td>Driller</td>
<td>W. Eydes</td>
<td>8 Hrs.</td>
<td>Rig</td>
<td>60 ft.</td>
<td></td>
</tr>
<tr>
<td>Helper</td>
<td>E. Vandrin</td>
<td>8 Hrs.</td>
<td>Gas</td>
<td>Oil</td>
<td></td>
</tr>
<tr>
<td>Helper</td>
<td></td>
<td></td>
<td>Hrs.</td>
<td>Repairs</td>
<td></td>
</tr>
<tr>
<td>Bit-Size</td>
<td></td>
<td>Type</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing-Size</td>
<td></td>
<td>in., ft.</td>
<td>Length in hole</td>
<td>in., Amt. Perforated</td>
<td>ft. in.</td>
</tr>
<tr>
<td>Depth Start</td>
<td></td>
<td>ft.</td>
<td>Depth Stop</td>
<td>ft., Feet Drilled</td>
<td></td>
</tr>
<tr>
<td>Water Levels, Time</td>
<td>M</td>
<td>ft., Time</td>
<td>M</td>
<td>ft.</td>
<td>Measurements</td>
</tr>
<tr>
<td>Remarks</td>
<td></td>
<td>Top</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Top</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remarks:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Remarks:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Remarks:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Remarks:</th>
</tr>
</thead>
</table>

Signed Noyland Tewa Date Jan 10 1972
Date: Jan 9, 72  |  Job No. | Hole No. | Elevation | ft. |

Customer:  |  |  |  |  |

Driller:  W. Evans  |  D Hrs. Rig: 602  |

Helper:  C. Vandervis  |  D Hrs. Gas:  |

Helper:  |  Hrs. Repairs:  |

Arv. Job:  |  Lv. Job:  |  Hrs:  |

Bit-Size:  |  Type:  |


Depth Start:  ft., Depth Stop:  ft., Feet Drilled:  ft.

Water Levels, Time:  M  ft., Time:  M  ft.

Measurements

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
</table>

- Remarks:  Finished cleaning hole out. Getting ready to cement casing

Signed:  K.ard Eckard  Date: Jan 9, 1972
<table>
<thead>
<tr>
<th>Depth Start ft.</th>
<th>Depth Stop ft.</th>
<th>Feet Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Water Levels:**
- **M** ft. Time **M** ft.

**Measurements**

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**
- Cleaning out and Running Pipe.
- Finished Pipe 720'.
Date: Jan 6, 1972

Job No. ______

Hole No. ______ Elevation ______ ft.

Customer: State: ______

Location: Kilewa Kailua

Driller: W. Endres ______ P Hrs. Rig ______

Helper: E. Maldonado ______ Hrs. Gas: ______ Oil: ______

Helper: ______ Hrs. Repairs: ______

Arv. Job: ______ Lr. Job: ______ Hrs: ______ Or. No: ______

Bit-Size: ______ Type: ______


Depth Start: ______ ft., Depth Stop: ______ ft., Feet Drilled: ______

Water Levels, Time M ______ ft., Time M ______ ft.

**Depth** | **Formation** | **Remarks** | **Top**
---|---|---|---

Remarks: "company casing & cleaning all rock -"

Signed: [Handwritten Signature]

Date: Jan 6, 1972
Date: Jan 5, 1972  
Job No.  
Hole No.  
Elevation  ft.  

Customer:  
State:  
Location:  

Driller:  W. Evans  
Hrs:  8  
Rig:  601  

Helper:  E. Vandolle  
Hrs:  3  
Gas:  
Oil:  

Arv. Job:  
Lv. Job:  
Hrs:  
Or. No.  

Bit-Size:  
Type:  


Depth Start:  ft., Depth Stop  ft., Feet Drilled  

Water Levels, Time  M  ft., Time  M  ft.  

### Measurements

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Run casing &amp; Wellb. surging - Leaking -</td>
<td></td>
</tr>
</tbody>
</table>

Remarks:

Signed:  

Signed:  Raymond Gerard  
Date: Jan 5, 1972
### Job Information

- **Date:** Jan 7, 1972
- **Job No.:**
- **Hole No.:**
- **Elevation:** ft.
- **Location:**

### Personnel

- **Driller:** W. Enlow
- **P. Hrs.:**
- **Rig:** 40L
- **Helper:** C. Linder
- **P. Hrs.:**

### Equipment

- **Hrs. Repairs:**
- **Arv. Job:**
- **Lv. Job:**
- **Hrs. Or. No.:**

### Casing Information

- **Bit Size:** 12 in.
- **Type:**
- **Casing Size:** 12 in., Length in hole: ft., Amt. Perforated: ft. in.

### Drilling Information

- **Depth Start:** ft., Depth Stop: ft., Feet Drilled: ft.
- **Water Levels, Time:** M ft., Time: M ft.

### Remarks

- **Depth Formotion:**
- **Remarke:** Changed bit 16 7/8".
- **Top:**

### Measurements

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Changed bit 16 7/8&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Started running pipe</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Welder doesn't turn right</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Core sampling on pipe</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Under Basket -got Basket back</td>
</tr>
</tbody>
</table>

### Signed

- **Signed:** Kaybell Enlow
- **Date:** Jan 7, 1972
### Drilling Log

**Date:** Dec 19, 1972  
**Job No.:**  
**Hole No.:**  
**Elevation:**

**Customer:**  
**Location:** Kaloa Ranch

**Driller:** W. Evans  
**Rig:** 606

**Helper:** E. Vanlour  
**Gas:**  
**Oil:**

**Arv. Job:**  
**Lv. Job:**  
**Hrs:**

**Helper:**  
**Hrs:**  
**Repairs:**

**Bit-Size:** 16  
**Type:**

**Casing-Size:** in., Length in hole ft., Ammt. Perforated ft., in.

**Depth Start:** ft., Depth Stop ft., Feet Drilled

**Water Levels, Time:** M ft., Time M ft.

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Linked up, picking at deck</td>
<td>Remarks:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>clutch on Dodge truck went up</td>
<td>Remarks:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>work on drive assemblies</td>
<td>Remarks:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Casing by 7</td>
<td>Remarks:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>9/26 time of starting rig</td>
<td>Remarks:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>started cleaning out</td>
<td>Remarks:</td>
</tr>
</tbody>
</table>

**Remarks:**

<table>
<thead>
<tr>
<th>Measurements</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
</tr>
</tbody>
</table>

**Signed:** Raymond Evans  
**Date:** Jan 3, 1973
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Customer</td>
<td></td>
<td></td>
<td></td>
<td>Location</td>
<td></td>
</tr>
<tr>
<td>Driller</td>
<td>W. Enzwey</td>
<td>8 Hrs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Helper</td>
<td>K. Whitney</td>
<td>8 Hrs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arv. Job</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lv. Job</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hrs.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Or. No.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bit-Size</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing-Size</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth Start</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ft., Depth Stop ft., Feet Drilled</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Levels, Time</td>
<td>M ft.</td>
<td>Time</td>
<td>M ft.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worked in yard on pump</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>checked on Rig muddy</td>
<td></td>
</tr>
</tbody>
</table>

Remarks:

Signed:

Hayford Enzwey

Date: Dec. 17 1971
Date: Dec 16, 1971

Customer: State: Location: Hawaii

Driller: W. Evans
Helper: R. Whitney

10 Hrs. Rig: 402
10 Hrs. Gas: Oil:

Helper: Hrs. Repairs:


Bit-Size: Type:


Depth Start: ft., Depth Stop: ft., Feet Drilled:


<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Chipped Wildcat water tank.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check with Velasquez for truck</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>To haul pipe to rig</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Made two trips with pipe, sent two locks</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>To lock to ship</td>
<td></td>
</tr>
</tbody>
</table>

Remarks:

Signed: Kayland Evans
Date: Dec 16, 1971
Date: Dec 15 1971  

Customer: Location: Kauai  

Driller: R. Evans  

Helper: R. Whitney  

Arv. Job:  

Lv. Job:  

Bit-Size:  

Type:  


Depth Start: ft., Depth Stop: ft., Feet Drilled:  

Water Levels, Time: M ft., Time: M ft.  

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Measurments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>A</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:

Signed: Hayland Evans  

Date: Dec 15 1971
<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ream</td>
<td></td>
</tr>
</tbody>
</table>

Slow drilling, cut 1-2 ft. per hour at 350'
Made quite a lot of mud.

Can see water falling down from near 200' in the well

Remarks:

Signed: C. Cunningham Date: July 23, 1921
### DRILLING LOG

**ROSCOE MOSS COMPANY**

**PHONE** 671-0858  
**94-356 PUPUPANI STREET, ROOM 209**  
**WAIPAHU, HAWAII 96797**

**Date:** July 22, 1974  
**Job No.:** 57-002  
**Hole No.:** 01  
**Elevation:** 720.20 ft.

**Customer:** State Dept. of Land & Natural Resources  
**Location:** Kalihi, Hawaii

<table>
<thead>
<tr>
<th>Driller</th>
<th>Cunningham</th>
<th>10 Hrs.</th>
<th>Rig 604</th>
</tr>
</thead>
<tbody>
<tr>
<td>Helper</td>
<td>Cunningham</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arv. Job</td>
<td></td>
<td>10 Hrs.</td>
<td>Repairs</td>
</tr>
</tbody>
</table>

**Bit-Size:** 16  
**Type:** Steel

**Casing-Size:** ______ in., Length in hole ______ ft.  
**Amt. Perforated:** ______ ft. ______ in.

**Depth Start:** 340 ft., Depth Stop 460 ft., Feet Drilled 60 ft.

<table>
<thead>
<tr>
<th>Water Levels, Time</th>
<th>M. 370 ft., Time M. ______ ft.</th>
</tr>
</thead>
</table>

**Measurements**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>340</td>
<td>Ream</td>
<td>we cleaned out clay</td>
</tr>
<tr>
<td></td>
<td></td>
<td>about 16' mouth to 340'</td>
</tr>
<tr>
<td></td>
<td></td>
<td>then hole opened 5' below</td>
</tr>
<tr>
<td></td>
<td></td>
<td>from 50' to 60'reaming on</td>
</tr>
<tr>
<td></td>
<td></td>
<td>down into more clay</td>
</tr>
<tr>
<td></td>
<td></td>
<td>of material 245' below</td>
</tr>
</tbody>
</table>

**Remarks:**

**Signed:** Cunningham  
**Date:** July 22, 1974
DRILLING LOG

ROSCOE MOSS COMPANY

PHONE 671-0858
94-356 PUPUPANI STREET, ROOM 209
WAIPAHU, HAWAII 96797

Date: July 21 1971  Job No: 3/4L-5  Hole No: 1135-01  Elevation 390-35 ft.

Customer: T State Dept. of Land and Inc.  Location: Kalene Kaa'i Rd.

Driller: R Cunningham  10 Hrs.  Rig: 60 L

Helper: J Cunningham  10 Hrs.  Gas: Oil

Helper: J Cunningham  10 Hrs.  Repairs:

Arv. Job 7'  Lv. Job 5'  10 Hrs.  Or. No.:

Bit-Size 10 in.  Type:


Depth Start 320 ft., Depth Stop 340 ft., Feet-Drilled 40 Roamed:

Water Levels, Time M 320 ft.  Time M ft.  Measurements

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>320</td>
<td>Team</td>
<td>We had some caved clay  possible rope stuck  had to pull the pit hat once, almost 5 ft. down getting it closer.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Signed: R Cunningham  Date: July 21 1971
DRILLING LOG

ROSCOE MOSS COMPANY

PHONE 671-0858
94-366 PUPUPANI STREET, ROOM 209
WAIPAHU, HAWAII 96797

Date: July 20, 1971  Job No: 57-170  Hole No: 125-01  Elevation: 398' 38" ft.

Customer: State Dept. of Land & Air  Location: Kualoa, Kualapuu, Hi

Driller: T. Cunningham  10 Hrs.  Rig: 604
Helper: R. Cunningham  10 Hrs.

Helper: R. Cunningham  10 Hrs.  Repairs:

Arv. Job:  Lr. Job:  10 Hrs.  Or. No: ___________

Bit-Size: 1 5/8"  Type: Steel


Depth Start: 2.95 ft., Depth Stop: ___________ ft., Feet Drilled: ___________ ft.

Water Levels, Time: ___________ ft., Time: ___________ ft.

Depth  Formation  Remarks  Top  A  B

-76

Depth

Formation

Remarks

Top

A

B

Measurements

Remarks: We finish Tap out 12' 1" Temporary Casing

Signed: T. Cunningham  Date: July 20, 1971
DRILLING LOG
ROSABE MOSS COMPANY

PHONE 671-0858 94-366 PUPUPANI STREET, ROOM 209 WAIPAHU, HAWAI 96797

Date: July 19, 1921  Job No: 57-EW-8  Hole No: 125-01  Elevation: 390-35 ft.
Customer: State Dept. of Land & N.R.  Location: Kilauea, Hawaii Hi.

Driller: T. Cunningham  10 Hrs.  Rig: O.E.
Helper: T. Cunningham  10 Hrs.  Gas:  
Helper: T. Cunningham  10 Hrs.  Oil:  
Arv. Job:  
Lv. Job:  

Bit-Size: 12"  Type: Star
Depth Start: 440 ft., Depth Stop: 450 ft., Feet Drilled: 10
Water Levels, Time: M ft., Time: M ft.

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>440</td>
<td>Gray Pollak Rock, Some Carbon</td>
<td>From 440 to 450 a little more hard</td>
<td></td>
</tr>
<tr>
<td>450</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Measurements

A  B

Remarks: We pull out the 12" casing in preparation of returning out well to this size.

Signed:  T. Cunningham  Date: July 19, 1921
DRILLING LOG
ROSCOE MOSS COMPANY
PHONE 671-0858 94-366 PUPUPANI STREET, ROOM 209 WAIPAHU, HAWAII 96797

Date: July 17, 1971  Job No. 57-16-8  Hole No. 1230  Elevation 390.75 ft.
Customer: State Dept. of Land & W.R.  Location: Kilauea, Kauai, Hi.

Driller: T. Cunningham  10 Hrs.  Rig: 60ODE
Helper: R. Cunningham  10 Hrs.  Gas: Oil

Bit-Size: 1 In  Type: Star
Depth Start: 420 ft., Depth Stop: 440 ft., Feet Drilled: 20
Water Levels, Time: 7 AM 7:20 ft., Time: M ft.

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>420</td>
<td>Red Lava Rock, Same Clde</td>
<td></td>
</tr>
<tr>
<td>440</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:

Measurements

A | B |
--|---|

Signed: T. Cunningham  Date: July 17, 1971
**DRILLING LOG**

**ROSCOE MOSS COMPANY**

**PHONE 671-0858**
**94-366 PUPUPANI STREET, ROOM 209**
**WAIPAHU, HAWAII 96797**

Date: **July 16, 1971**
Customer: **State Dept. of Land & Ind., Location Kilauea, Kauai, Hi.**

<table>
<thead>
<tr>
<th>Date</th>
<th>Job No.</th>
<th>Hole No.</th>
<th>Elevation</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 16, 1971</td>
<td>57-112-8</td>
<td>1125-01</td>
<td>300.2 ft.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Helper</th>
<th>Arv. Job</th>
<th>Rig</th>
</tr>
</thead>
<tbody>
<tr>
<td>T. Cunningham</td>
<td>R. Cunningham</td>
<td>6:30 Lw Job 6:00</td>
<td>60</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td></td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bit-Size</th>
<th>Type</th>
<th>Star</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing-Size</th>
<th>Length in hole</th>
<th>Amt. Perforated</th>
</tr>
</thead>
<tbody>
<tr>
<td>in.</td>
<td>ft.</td>
<td>ft.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth Start</th>
<th>Depth Stop</th>
<th>Feet Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>420</td>
<td>20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water Levels, Time</th>
<th>ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>370</td>
<td>M</td>
</tr>
<tr>
<td>7</td>
<td>M</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>Grey Red Lava Rock, Some Clay,</td>
<td>Drilling ease up about 400'</td>
</tr>
<tr>
<td>420</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Measurements</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
</tr>
<tr>
<td>B</td>
</tr>
</tbody>
</table>

Signed: **Tony Cunningham**

Signed Date: **July 16, 1971**
DRILLING LOG

ROSCOE MOSS COMPANY

94-366 PUPUPANI STREET, ROOM 209
WAIPAHU, HAWAII 96797

Date: July 15, 1971
Job No.: 5T-15W-8
Hole No.: 1125-01
Elevation: 390.30 ft.

Customer: State Dept. of Land & Int.
Location: T. Kauai, Hi.

Driller: T. Cunningham
10 Hrs. Rig

Helper: T. Cunningham
10 Hrs. Gas

Helper: T. Cunningham
10 Hrs. Oil

Arv. Job 7', Lv. Job 5'

Bit Size: 12
Type: Star

Casing Size: in., Length in hole: 52.75 ft.
Amt. Perforated: 100 ft.

Depth Start: 390 ft., Depth Stop: 400 ft., Feet Drilled: 10

Water Levels, Time: M ft., Time: M ft.

Formation: 390 ft., Matt hard blue rock
Remarks: Rock hard about a foot

Soft place at 389-390 ft.

Remarks: Rabbit bit on the guide socket.

Signed: Ray Cunningham
Date: July 15, 1971
**DRILLING LOG**

**ROSCE MOSS COMPANY**

**PHONE 671.0858**

**94.366 PUPUPANI STREET, ROOM 209**

**WAIPAHU, HAWAII 96797**

---

**Date**: July 14, 1971

**Job No.**: 51-KW-8

**Hole No.**: 135-01

**Elevation**: 390.38 ft.

**Customer**: State Dept. of Land & Irr.

**Location**: Malaekahau, Kauai 414

---

**Driller**: T. Cunningham

**Helper**: T. Cunningham

**Arv. Job**: 7

**Depth Start**: 370 ft.

**Depth Stop**: 390 ft.

**Feet Drilled**: 20

---

**Bit-Size**: 12

**Type**: Steel

**Casing-Size**: 1 in., Length in hole 2,527 ft., Amt. Perforated 32 ft.

**Remarks**: Water Level Continue Drop is About 37 1/2 of the Date

---

**Signed**: T. Cunningham

**Date**: July 14, 1971
### DRILLING LOG

**ROSCOE MOSS COMPANY**

**PHONE 671-0858**

**94-366 PUPUPANI STREET, ROOM 209**

**WAIPAHU, HAWAII 96797**

**Date:** July 13, 1971  
**Job No.:** SK-5W-8  
**Hole No.:** 1125-01  
**Elevation:** 390.30 ft.

**Customer:** State Dept. of Land + H.  
**Location:** Kilauea, Kauai, HI.

**Driller:** T. Cunningham  
**Helper:** T. Cunningham  
**Arv. Job:** 7'  
**Lv. Job:** 5'  

**Rig:** 604  
**Hrs.:** 10 Hrs.  
**Gas:**  
**Oil:**  
**Repairs:**  
**Or. No.:**

<table>
<thead>
<tr>
<th>Bit-Size</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing-Size</th>
<th>in., Length in Hole</th>
<th>Temp.</th>
<th>in., Amt. Perforated</th>
<th>ft.</th>
<th>in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
</tr>
</thead>
<tbody>
<tr>
<td>350</td>
<td>Top WC Clay &amp; Med hard Strata Rock</td>
</tr>
<tr>
<td>364</td>
<td>Soft to Med hard Sandstone Shale Clay</td>
</tr>
<tr>
<td>390</td>
<td>Form. seems to be mostly rock.</td>
</tr>
</tbody>
</table>

**Remarks:**

**Water Levels, Time:** M ft.  
**Time:** M ft.

**Measurements**

**A**

**B**

**Signed:** T. Cunningham  
**Date:** July 13, 1971
### DRILLING LOG

**ROSCOE MOSS COMPANY**

PHONE 671-0858 94-366 PUPUPANI STREET, ROOM 209 WAIPAHU, HAWAII 96797

- **Date:** July 12, 1971
- **Job No.:** 51-114-8
- **Hole No.:** 1125-01
- **Elevation:** 390-38 ft.
- **Location:** Kilauea, Hawaii

#### Driller Information
- **Driller:** T. Cunningham
- **Hours:** 10 Hrs.
- **Rig:** 60

#### Helper Information
- **Helper:** T. Cunningham
- **Hours:** 10 Hrs.

#### Arv. Job
- **Arv. Job:** 7
- **Lv. Job:** 5
- **Hours:** 10 Hrs.

#### Measurements
- **Depth:**
  - **Start:** 330 ft.
  - **Stop:** 350 ft.
  - **Feet Drilled:** 20

#### Water Levels, Time
- **A:** M ft.
- **B:** M ft.

#### Depth, Formation, Remarks

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>330</td>
<td>TBN, Clay, and sandstone</td>
<td>clay buildup, top at each run, makes it necessary to drill each time, make less of mud.</td>
</tr>
<tr>
<td>350</td>
<td></td>
<td>adding water to well, but don't bring water, level mud very little.</td>
</tr>
</tbody>
</table>

#### Remarks:

- Clay buildup on top at each run, makes it necessary to drill each time, make less of mud.

- Adding water to well, but don't bring water, level mud very little.

**Signed:**

**Date:** July 12, 1971
DRILLING LOG

ROSCOE MOSS COMPANY

Date: July 10, 1971
Job No: 58-56-8
Hole No: 126-01
Elevation: 390 ft.

Customer: State Dept. of Land & B.
Location: Kilauea, Kauai

Driller: T. Cunningham 10 Hrs.
Rig: 604

Helper: T. Cunningham 10 Hrs.

Arv. Job: Lava Job: 

Bit-Size: Type: Steer


Depth Start: 320 ft., Depth Stop: 330 ft., Feet Drilled: 10

Water Levels, Time: M ft., Time: M ft.

Remarks:

Seem to be knocking in some clay with the pipe kocket & drilling seem a little more hard.
2 Pop, Pick up the Casing twice a day. is spot.

Check was flooding unable to get out on Saturday till late.

Signed: T. Cunningham Date: July 10, 1971
## DRILLING LOG

**ROSCOE MOSS COMPANY**

**PHONE:** 671-0858  
**94-366 PUPUPANI STREET, ROOM 209**  
**WAIPAHU, HAWAI'I 96797**

### Date: July 9, 1971  
**Job No. 12-48-5**  
**Hole No. 1125-01**  
**Elevation: 390 ft.**

### Customer  
**State Dept. of Territorial Water Operations**  
**Location: Kahului, Maui**

### Driller  
**T. Cunningham**  
**10 Hrs.**  
**Rig: 606**

### Helper  
**T. Cunningham**  
**10 Hrs.**

### Arv. Job  
**Lv. Job**

### Bit-Size  
**12**

### Casing-Size  
**12 in., Length in hole:**

### Depth Start  
**293 ft.**

### Depth Stop  
**320 ft.**

### Feet Drilled  
**27**

### Water Levels, Time  
**M ft., Time:**

### Remarks:  

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>293 ft.</td>
<td>Rock, hard</td>
<td><em>Very little water seems to run into well, we are working to keep the water up.</em></td>
</tr>
<tr>
<td>320 ft.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Measurements  

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
</tr>
</thead>
</table>

### Signed:  
**T. Cunningham**  
**Date:** July 9, 1971
**DRILLING LOG**

**ROSCOE MOSS COMPANY**

**PHONE 671-0858**
**94-366 PUPUPANI STREET, ROOM 209**
**WAIPAHU, HAWAII 96797**

**Date:** July 8, 1971  
**Job No.: 58-161-5**  
**Hole No.: 125-01**  
**Elevation:** 390 ft.

**Customer:**  
**State:**  
**Dept.:**  
**Location:** Kauai, Hawaii

---

**Driller:** T. Cunningham  
**Helper:** T. Cunningham  
**Arv. Job:**  
**Lv. Job:**

---

**Rig: CO L**

---

**Bit-Size:** 12 in.  
**Type:** Star

---

**Casing-Size:** 12 in., Length in hole 252 ft.  
**Amt. Perforated:** ft. in.

---

**Depth Start:** 275 ft.  
**Depth Stop:** 297 ft.  
**Feet Drilled:** 18 ft.

---

**Water Levels, Time:** M ft.  
**Measurements:**

---

**Depth**

**Formation**

**Remarks**

---

**Top**

---

**Remarks:**  
**Remark:**  
**Remark:**  
**Remark:**

---

**Signed:** T. Cunningham  
**Date:** July 8, 1971
Date July 7 1971  Job No. 51-1W-8  Hole No. 125-01  Elevation 320 ft.
Customer State Dept. of Land & N.R.  Location Hilo, Haw.

Driller T. Cunningham  10 Hrs.  Rig 604
Helper T. Cunningham  10 Hrs.  Repairs
Arv. Job ______  Lv. Job ______  10 Hrs.  Or. No. ______

Bit-Size ______ Type ______
Depth Start ______ ft., Depth Stop ______ ft., Feet Drilled ______
Water Levels, Time M ______ ft., Time M ______ ft.,

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Receive the Temp. 12", well casing unloaded.
Job site set into well 160'.

Remarks: ____________________________________

Signed T. Cunningham  Date July 7 1971
## DRILLING LOG

**ROSCE MOSS COMPANY**

**PHONE:** 371-0858  
94-366 PUPUPANI STREET, ROOM 209  
WAIPAHU, HAWAII 96797

**Date:** July 6  
**Job No.:** 51-KW-8  
**Hole No.:** 1125-01  
**Elevation:** 390 ft.

**Customer:** State Dept. of Land & Nat. Res.  
**Location:** Kilena, Kauai

Driller: T. Cunningham  
**8 Hrs.**  
Rig 606

Helper: T. Cunningham  
**8 Hrs.**  
Gas  
Oil  
Repaers

Arv. Job:  
Lv. Job:  
**8 Hrs.**  
Or. No.:  

<table>
<thead>
<tr>
<th>Bit-Size</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing-Size</th>
<th>in., Length in hole</th>
<th>ft.</th>
<th>Amt. Perfocrated</th>
<th>ft.</th>
<th>in.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth Start</th>
<th>ft.</th>
<th>Depth Stop</th>
<th>275 ft.</th>
<th>Feet Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water Levels, Time</th>
<th>M</th>
<th>ft., Time</th>
<th>M</th>
<th>ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Measurements</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>275</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*We Made 2 Trips to Job Site, Picked up Bit + Good of Special Cables. Ship Pickup Total $125. 1st Trip to act Picked up Item Guide Ship to Maui.*

**Remarks:**

Signed: T. Cunningham  
Date: July 6, 1971
ROUTE SLIP  
DIVISION OF WATER AND LAND DEVELOPMENT

From: [Signature]  Date: [Date]  File in: [File in]

<table>
<thead>
<tr>
<th>To</th>
<th>Initial</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Robert T. Chuck</td>
</tr>
<tr>
<td></td>
<td>Walter O. Watson</td>
</tr>
<tr>
<td></td>
<td>Takeo Fujii</td>
</tr>
<tr>
<td></td>
<td>James Yoshimoto</td>
</tr>
<tr>
<td></td>
<td>Albert Ching</td>
</tr>
<tr>
<td></td>
<td>Hong Fong Chang</td>
</tr>
<tr>
<td></td>
<td>George Morimoto</td>
</tr>
<tr>
<td></td>
<td>Manabu Tagomori</td>
</tr>
<tr>
<td></td>
<td>Dan Lum</td>
</tr>
<tr>
<td></td>
<td>Kazu Hayashida</td>
</tr>
<tr>
<td></td>
<td>Harold Sakai</td>
</tr>
<tr>
<td></td>
<td>Jane Sakai</td>
</tr>
<tr>
<td></td>
<td>Doris Hamada</td>
</tr>
<tr>
<td></td>
<td>Lorraine Nanbu</td>
</tr>
<tr>
<td></td>
<td>Jean Starr</td>
</tr>
<tr>
<td></td>
<td>Elise Yonamine</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Please:</th>
</tr>
</thead>
<tbody>
<tr>
<td>See me</td>
</tr>
<tr>
<td>Take action</td>
</tr>
<tr>
<td>Route to your branch</td>
</tr>
<tr>
<td>Review &amp; comment</td>
</tr>
<tr>
<td>Investigate &amp; report</td>
</tr>
<tr>
<td>Draft reply</td>
</tr>
<tr>
<td>Acknowledge Receipt</td>
</tr>
<tr>
<td>Type final</td>
</tr>
<tr>
<td>For filing</td>
</tr>
<tr>
<td>Xerox ___ copies</td>
</tr>
</tbody>
</table>

FOR YOUR:  
| Approval |
| Signature |
| Information |
| Initials |

REMARKS:  
Fujii, Important. Would you have Lorraine complete drilling log on this well to date. Could you complete drilling log on this well to date? dated log on this well to date. 

P.S. What is your elev?  
Jan
**DRILLING LOG**

**ROSCEO MOSS COMPANY**

PHONE 671-0858

94-366 PUPUPANI STREET, ROOM 209

WAIPAHU, HAWAII 96797

Date: July 3, 1971  
Job No: 57728-8  
Hole No: 1126-01  
Elevation: _______ ft.

Customer: State Dept of L.N.R.  
Location: Kilauea, Hawai'i 841

Driller: T. Cunningham  
4 Hrs.  
Rig: 60C

Helper: R. Cunningham  
4 Hrs.

Arv. Job: 4 Hrs.

Bit-Size: 16

Casing-Size: _______ in., Length in hole: _______ ft.  
Amt. Perforated: _______ ft. in.

Depth Start: _______ ft., Depth Stop: _______ ft., Feet Drilled: _______ ft.

Water Levels, Time: _______ M ft., Time: _______ M ft.

**Measurements**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.75</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

We take pickup load of 'Ilima out to job site

Move small water pump from out of creek bed to job site.

**Signed:** T. Cunningham  
Date: July 3, 1971
## DRILLING LOG

**Roscoe Moss Company**

**Phone:** 671-0858
**Address:** 94-366 Pupupani Street, Room 209, Waipahu, Hawaii 96797

---

**Date:** July 2, 1971
**Job No.:** 51-HW-8
**Hole No.:** 125-01
**Elevation:** 8 ft.
**Location:** Kilauea, Hawaii

---

**Driller:** T. Cunningham
**Helper:** R. Cunningham
**Arv. Job:** 2
**Hrs.:** 10

---

**Rig:** 601

---

**Bit-Size:** 1 3/4
**Type:** Star

---

**Casing-Size:** ____________ in.
**Length in hole:** ____________ ft.
**Amt. Perforated:** ____________ ft.

---

**Depth Start:** 255 ft.
**Depth Stop:** 275 ft.
**Feet Drilled:** 20

---

**Water Levels:**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formations</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>255</td>
<td>Red &amp; Bt. Clay</td>
<td>Drilling is a little more hard the hole caved in</td>
</tr>
<tr>
<td>260</td>
<td>Bt. Clay, Ledges back</td>
<td>Drilling is a little more hard the hole caved in</td>
</tr>
<tr>
<td></td>
<td></td>
<td>I had to drive the bit out some 15' and it fell</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Put on new sand line on Rig.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pick up some tubes at Eagle County Job.</td>
</tr>
</tbody>
</table>

---

**Signed:** T. Cunningham
**Date:** July 2, 1971
## DRILLING LOG

**ROSCOE MOSS COMPANY**

**PHONE 621-0858**

94-366 PUPUPANI STREET, ROOM 209
WAIPAHU, HAWAII 96797

---

**Date:** July 1, 1971  
**Job No.:** 51-166-8  
**Hole No.:** 135-01  
**Elevation:** ft.  
**Location:** Kaneohe, Hawaii

**Driller:** T. Cunningham  
**10 Hrs.**  
**Rig:** 60 L

**Helper:** R. Runnell  
**10 Hrs.**  
**Gas:**  
**Oil:**  
**Repairs:**

**Arv. Job:**  
**Lv. Job:**  
**Or. No.:**

**Bit-Size:** 15  
**Type:** Gas

**Casing-Size:** in., Length in hole ft., in.  
**Amt. Perforated:** ft. in.

**Depth Start:** 215 ft., Depth Stop: 255 ft., Feet Drilled: 40

**Water Levels, Time:** M ft., Time:** M ft.

---

### Depth Formations

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>215</td>
<td>Red &amp; Bn. Clay</td>
<td>We had water all day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Keeping water level deep</td>
</tr>
<tr>
<td></td>
<td></td>
<td>We had a little casing.</td>
</tr>
<tr>
<td>240</td>
<td></td>
<td>We cleaned the carbonator on water pump</td>
</tr>
</tbody>
</table>

---

**Signed:** T. Cunningham  
**Date:** July 1, 1971
**DRILLING LOG**

**ROSCOE MOSS COMPANY**

**PHONE 671-0858**

**94-366 PUPUPANI STREET, ROOM 209**

**WAIPAHU, HAWAII 96797**

**Date:** June 28, 1971  
**Job No.:** 57-KW-8  
**Hole No.:** 1125-01  
**Elevation:** _______ ft.

**Customer:** State Dept. of Land & Natural Resources  
**Location:** Kilauea, Hawaii

**Driller:** T. Cunningham  
10 Hrs.  
**Rig:** 604

**Helper:**  
**Hrs.:**  
**Gas:**  
**Oil:**

**Helper:** Randy Ponnells  
10 Hrs.  
**Repairs:**

**Arv. Job:**  
**Lv. Job:**  
10 Hrs.  
**Or. No.:**

**Bit Size:** 16  
**Type:**

**Casing Size:** _______ in., **Length in hole:** _______ ft.  
**in., Amt. Perforated:** _______ ft. _______ in.

**Depth Start:** 175 ft., **Depth Stop:** 125 ft., **Feet Drilled:** 40

**Water Levels, Time:** _______ M _______ ft., **Time:** _______ M _______ ft.

**Remarks:**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>135</td>
<td>Red/Brown Clay</td>
<td><strong>Raked the well neat</strong></td>
</tr>
<tr>
<td>175</td>
<td></td>
<td><strong>Dried, during drilling all the day. Very little water coming into well</strong></td>
</tr>
</tbody>
</table>

**Measurements**

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
</tr>
</thead>
</table>

**Remarks:**

Signed: T. Cunningham  
**Date:** June 28, 1971
**DRILLING LOG**

**ROSCOE MOSS COMPANY**

**PHONE 611-0858**  
94-366 PUPUPANI STREET, ROOM 209  
WAIPAHU, HAWAII 96797

---

**Date:** June 30, 1921  
**Job No.:** 57-1722  
**Hole No.:** 125-01  
**Elevation:** ft.

**Customer:** State Dept. L.Nr.  
**Location:** Kilauea, Lava'i

---

**Driller:** J. Cunningham  
**10 Hrs.**  
**Rig:** 60L

**Helper:**  
**Hrs.**  
**Gas:**  
**Oil:**

**Helper:** R. Runnels  
**10 Hrs.**  
**Repairs:**

**Arv. Job:**  
**Lv. Job:**  
**10 Hrs.**  
**Or. No.:**

**Bit-Size:**  
**Type:**

**Casing-Size:** in., Length in hole ft., Amt. Perforated ft. in.

**Depth Start:** ft., Depth Stop ft., Feet Drilled

**Water Levels, Time:** M ft., Time M ft.

**Measurements**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>We had 20' of cave water in well couldn't drain easily.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>good trying to clean but almost went dry. We found</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>water to fill up well had some trouble with</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>water pump getting it started.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>we filled up with water to within 70' of surface.</td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

---

**Signed:** J. Cunningham  
**Date:** June 30, 1921
# DRILLING LOG

**ROSCOE MOSS COMPANY**

**PHONE 671-0858**

**94-366 PUPUPANI STREET, ROOM 209**

**WAIPAHU, HAWAII 96797**

---

**Date:** 
*June 2, 1971* | **Job No.** 57-141-8 | **Hole No.** 125-01 | **Elevation** 10 Ft.

**Customer:** Dept. of L.N.R. | **Location:** Kilauea, Kauai

**Driller:** J. Cunningham | **10 Hrs.** | **Rig:** 606

**Helper:** R. Dunne | **10 Hrs.** | **Gas:** Oil

**Arv. Job:** | **Lv. Job:** 10 | **Hrs.** | **Repairs:**

**Bit-Size:** 1-1/2 in. | **Type:** Stan

**Casing-Size:** 177/8 in., **Length in hole:** 215 ft., **Amt. Perforated:** ft. in.

**Depth Start:** 177/8 ft., **Depth Stop:** 215 ft., **Feet Drilled:** 40

**Water Levels, Time** | **M.** ft., **Time** | **M.** ft.

---

**Depth** | **Formation** | **Remark**
--- | --- | ---
177/8 | Red Terr. Clay | *We had some caving...*
177/8 | | *The water in well returned...
177/8 | | *Up about 40' during night...*
177/8 | | *We take out a lot of mud...*

---

**Remarks:**

---

**Signed:** J. Cunningham | **Date:** June 2, 1971
### Drilling Log

**DRILLING LOG**

**ROSCOE MOSS COMPANY**

<table>
<thead>
<tr>
<th>Date</th>
<th>June 23, 1971</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job No.</td>
<td>5T-KW-8</td>
</tr>
<tr>
<td>Hole No.</td>
<td>425-01</td>
</tr>
<tr>
<td>Elevation</td>
<td></td>
</tr>
<tr>
<td>Customer</td>
<td>State Dep't. of N.R.</td>
</tr>
<tr>
<td>Location</td>
<td>Kilauea, Kauai, HI</td>
</tr>
</tbody>
</table>

**Driller**

- Troy Cunningham 10 Hrs.

**Helper**

- Ronald D. Cunningham 10 Hrs.

**Rig**

- Gas
- Oil

**Arv. Job**

- Job No. 7
- Lv. Job 5
- 10 Hrs.

**Bit-Size**

- 16 in.

**Type**

- Star

**Casing-Size**

- in., Length in hole: 126 ft.

**Depth Start**

- 126 ft., Depth Stop: 135 ft.

**Feet Drilled**

- 10

**Water Levels, Time**

- M ft., Time: M ft.

**Measurements**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
<td>Red Clay</td>
<td></td>
<td></td>
</tr>
<tr>
<td>126</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>135</td>
<td>BROWN Clay</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Form Motion**

17

**Remarks**

- going as well, set down around 115. Possibly "Caving" took out a lot of mud, I Change tools, put on Gass.

**Signed**

- Troy Cunningham

**Date**

- June 28, 1971
**DRILLING LOG**

**ROSCOE MOSS COMPANY**

PHONE 671-0858 94-366 PUPUPANI STREET, ROOM 209 WAIPAHU, HAWAII 96797

Date: 6-17 1971 Job No. 5140-H Hole No. Hole Elevation ft.

Customer: Driller: 8 Hrs. Rig: Helper: Hrs. Gas: Oil: Helper: Hrs. Repairs: 

Arv. Job: 5-16 Lv. Job: 5-17 Hrs. Or. No: 

Bit-Size: Type: 


Depth Start: ft., Depth Stop: ft., Feet Drilled: 

Water Levels, Time: M ft., Time: M ft.

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>122</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks: 

Signed: L. Rosselle Date: 6-17 1971
<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Red Clay</td>
<td>Had Kilauea Sugar Co.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dig guy line Anchor hole</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 Mud Pit - Raised mast to full</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mast - adjusted guy lines</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Makeup tools -</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Went for water</td>
</tr>
</tbody>
</table>

Remarks: ___________________________________ 

Signed H. Meyer  
Date June-10 1971
DRILLING LOG

ROSOCOE MOSS COMPANY

PHONE 671-0858
94.366 PUPUPANI STREET, ROOM 209
WAIPAHU, HAWAII 96797

Date 6-16-77
Job No. 5/267-8
Hole No. Elevation _____ ft.

Customer

Driller

Helper

Arv. Job

Rig

Gas

Repairs

Ft. in., Length in hole ft., Amt. Perforated ft.

Bit-Size

Casing-Size in., Length in hole ft., Amt. Perforated ft.

Depth Start ft., Depth Stop ft., Feet Drilled

Water Levels, Time M ft., Time M ft.

Depth

Formation

Remarks

Top

Measurements

A

B

Remarks:

Signed Z. Rinkell

Date 6-15-77
# DRILLING LOG

## ROSCOE MOSS COMPANY

**PHONE 671-0858**

**94-366 PUPUPANI STREET, ROOM 209**

**WAIPAHU, HAWAII 96797**

<table>
<thead>
<tr>
<th>Date</th>
<th>Job No.</th>
<th>Hole No.</th>
<th>Elevation (ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-15-71</td>
<td>57 kit. &amp;</td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Customer</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Helper</th>
<th>Helper</th>
<th>Arv. Job</th>
<th>Lv. Job</th>
</tr>
</thead>
<tbody>
<tr>
<td>G. Horton</td>
<td>R. Russell</td>
<td></td>
<td>7 1/4</td>
<td>5 7/8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hrs.</th>
<th>Rig</th>
<th>Gas</th>
<th>Oil</th>
<th>Hrs.</th>
<th>Or. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water Levels, Time</th>
<th>M</th>
<th>ft.</th>
<th>Time</th>
<th>M</th>
<th>ft.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Bit-Size</th>
<th>Type</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Casing-Size</th>
<th>in., Length in hole</th>
<th>ft.</th>
<th>Amt. Perforated</th>
<th>ft.</th>
<th>in.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Depth Start</th>
<th>ft.</th>
<th>Depth Stop</th>
<th>ft.</th>
<th>Feet Drilled</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Measurements</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
</tr>
</thead>
<tbody>
<tr>
<td>61/2</td>
<td>Clay</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remarks:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Signed</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z. Russell</td>
<td>6-15-71</td>
</tr>
<tr>
<td>Date</td>
<td>6-14 1971</td>
</tr>
<tr>
<td>------------</td>
<td>-----------</td>
</tr>
<tr>
<td>Customer</td>
<td></td>
</tr>
<tr>
<td>Driller</td>
<td></td>
</tr>
<tr>
<td>Helper</td>
<td></td>
</tr>
<tr>
<td>Helper</td>
<td></td>
</tr>
<tr>
<td>Arv. Job</td>
<td>7 44/1</td>
</tr>
<tr>
<td>Bit-Size</td>
<td></td>
</tr>
<tr>
<td>Casing-Size</td>
<td>in., Length in hole</td>
</tr>
<tr>
<td>Depth Start</td>
<td>ft., Depth Stop</td>
</tr>
<tr>
<td>Water Levels, Time</td>
<td>M</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
<th>Top</th>
<th>Measurements</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Elag</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks:

Signed: P. Roswell Date: 6-14 1971
DRILLING LOG

ROSCE MOSS COMPANY

PHONE 671-0858
94-366 PUPUPANI STREET, ROOM 209
WAIPAHU, HAWAII 96797

Date: June 9, 1971
Job No.: Hole No.: Elevation: ft.
Customer: State: Dept. of: Location: Kilauea, Kauai

Driller: H. Meyers 6 Hrs. Rig: 60 L
Helper: W. Horton 6 Hrs. Gas: Oil:
Helper: R. Runnels 6 Hrs. Repairs:


Bit-Size: Type:
Depth Start: ft., Depth Stop: ft., Feet Drilled:
Water Levels, Time: M. ft., Time: M. ft.

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
</table>
|       |           | Iден to job site of-
|       |           | Kilauea & check location
|       |           | with Mr. Sakamoto from Kilauea Sugar Co.
|       |           | Move rig to Kilauea job site
|       |           | Set up tower half mast
|       |           | Bloked up rig
|       |           | Unload drill tools
|       |           | From power wagon truck
|       |           | From power wagon truck

Remarks:

Signed: H. Meyers
Date: June 9, 1971
**DRILLING LOG**

**ROSOCOE MOSS COMPANY**

**PHONE 671-0858**

**94-366 PUPUPANI STREET, ROOM 209**

**WAIPAHU, HAWAII 96797**

<table>
<thead>
<tr>
<th>Date</th>
<th>June 10, 1971</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job No.</td>
<td>S1-LW-8</td>
</tr>
<tr>
<td>Hole No.</td>
<td></td>
</tr>
<tr>
<td>Elevation</td>
<td>ft.</td>
</tr>
<tr>
<td>Customer</td>
<td></td>
</tr>
<tr>
<td>State - Dept. of L &amp; R</td>
<td></td>
</tr>
<tr>
<td>Location</td>
<td>Kilauea, Kauai</td>
</tr>
</tbody>
</table>

**Driller**

- L. Horton

**Helper**

- C. Runnels
- H. Meyers

**Arv. Job**

- Hrs.

**Lv. Job**

- Hrs.

**Rig**

- 60 L

**Gas**

- Oil

**Repairs**

- Or. No.

**Bit-Size**

- 1/2"

**Casing-Size**

- Type

**Depth**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Red Clay</td>
<td>Had Kilauea Sugar Co</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dig guyline anchor hole</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mud pit - Raised mast to fill</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Must - adjusted guylines</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Makeup tools -</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Went for water</td>
</tr>
</tbody>
</table>

**Signed**

- H. Meyers

**Date**

- June 10, 1971
DRILLING LOG

ROScoe MOSS COMPANY

PHONE 671-0858
336 PUPUPANI STREET, ROOM 209
WAIPAHU, HAWAII 96797

Date: June 9, 1971
Job No. __________
Hole No. __________
Elevation _______ft.

Customer: State Dept. of L&HR
Location: Kilauea, Kauai

Driller: H. Meyers
6 Hrs.
Rig: L0L

Helper: M. Horton
6 Hrs.
Gas: Oil

Helper: R. Runnels
6 Hrs.
Repairs

Arv. Job __________
Lv. Job __________
Hrs. __________
Or. No. __________

Bit-Size __________
Type __________

Casing-Size __________ in., Length in hole __________ ft., Amt. Perforated __________ ft., in.

Depth Start __________ ft., Depth Stop __________ ft., Feet Drilled __________

Water Levels, Time __________ M __________ ft., Time __________ M __________ ft.

Measurements

<table>
<thead>
<tr>
<th>Depth</th>
<th>Formation</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>went to job site at Kilauea to check location with Mr. Sakamoto from Kilauea Sugar Co.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Move rig to Kilauea jobsite</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 Setup tower half mast</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Blocked up rig</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Unload drill tools</td>
</tr>
<tr>
<td></td>
<td></td>
<td>From power wagon truck</td>
</tr>
</tbody>
</table>

Remarks:

__________

Signed: H. Meyers
Date: June 9, 1971