

Kala Pipe Line  
Sec 5 thru  
Heleka'a Ranch in  
Kaliakuni

Copy furnished Supt. Public Works.  
October 24, 1910

**File in Carton 13.**

# Territory of Hawaii,

Office of the Government Survey.

Honolulu, T. H., August 12, 1910.

## Kula Pipe Line.

### Description of 4" Galvanized Pipe Line through Haleakala Ranch, Kalialinui, Maui.

Beginning at junction of 12" wooden stave pipe, the six inch galvanized pipe to Kula and the 4" galvanized pipe to Makawao from which a  $\Delta$  on a ledge of rocks about midway between eucalyptus Groves Nos. 1 and 2 is by true azimuth:  $218^{\circ} 59'$  192.3 feet, elevation 4128 feet; from said  $\Delta$  Government Survey Trig. Station "Puu Niania" is by true azimuth  $313^{\circ} 28' 30''$  14079.0 feet, thence along general line of pipe, true azimuths and distances being:

1.  $107^{\circ} 44'$  54.1 feet along North side of gulch;
2.  $100^{\circ} 31'$  242.5 feet along North side of gulch;
3.  $101^{\circ} 05'$  147.4 feet along North side of gulch;
4.  $123^{\circ} 31'$  53.1 feet along North side of gulch;
5.  $152^{\circ} 30'$  437.9 feet across gulch and down the slope;
6.  $152^{\circ} 56'$  309.9 feet down slope to bottom of gulch;
7.  $144^{\circ} 24'$  240.1 feet up side of gulch on a curve to the left;
8.  $132^{\circ} 45'$  133.3 feet along flat to boundary of Kalialinui-Makawao from this point a large eucalyptus tree marked by a + being the South corner of Grant 5207 to W.O. Aiken, is by true azimuth  $241^{\circ} 45'$  3.5 feet;

FRED E. HARVEY

Engineer in Charge,  
Kula Pipe Line.

*Description of Section No. 5*

*Completed at 2/10*