

SUBMERSIBLE DIVE REPORT

MAKALI'I

PISCES V

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P5-013

Pilot T. Kerby Wt. 158 Dive Number P-5-003-13-172
 Observer A. Resnick Wt. 170 Date 7/30/87 July 31, 87
 Observer Title/Affil. Makai Ocean Time of Dive 0748
Engineering Time of Surface 1220
 Dive Location Keahole Pt. Time Submerged 4:32
 Lat. _____ Long. _____ Time Thru Last Dive 24:51
 Purpose: ~~Research~~ Training Demo Total Time to Dive 29:23
 Other Pipeline Inspection, OTEC Pipe Dive Depth 486'
 Special Equip.: Water Depth 486'
 Camera (type) Osprey TVP Water Temp. _____
 Manipulator Visibility 40'
 Other Basket frame with wheel counter ABT # at Neutral

Dive Results/Remarks: On the bottom in 275' on a flat sandy
bottom. Power to the south east to locate OTEC pipe. Moving around
Construction Barge "Thelmas" northern anchor. 0840 locate pipe at
pipe block #45. Move west down pipe. 0912 At Pipe block #51 At
449'. Block is surging up and down and sideways. Relay to surface.
Proceed to transition block. Transponder is missing from transition
block. Sit at transition anchor so surface can get a fix on the sub to
pinpoint anchor. Move up pipe. Take 22 kHz pinger off block #44.
continue survey. Pass 20 kHz pinger at block #30. Release is too high
off bottom and on wrong side of block. Release 28 kHz pinger from
block #19. Return to surface with 22 kHz pinger. Survey pipe up to
170 ft. Return to 300ft and surface.

Equipment Deficiencies: Relief valve on trim tank failed. Water filled
trim tank and flowed out relief valve in trim panel. Shut hull stop.
Able to complete survey using soft ballast. Port ballast pump motor
not working.

Pilot Terry R Kerby Date 7/31/87
 Ops. Mgr AR Resnick Date 7/31/87