

IOS FIELD EXPERIMENT REPORT

VESSEL: ML 'Excel' and inflatable.

LOCATION: Morte Bay, Woolacombe, N Devon.

PERIOD: 30 April-3 May 1984.

PERSONNEL: A P Carr Principal Scientist)  
M W L Blackley ) Land Survey  
J Codd )  
P J Hardcastle) Shore electronics  
G Le Good )  
E J Moore )  
A J Marks ) Diving and boat party  
L Whitlock )  
T Hamlyn )

OBJECTIVES: To locate and calibrate the Digiquartz transducer on Rig 1. To remove all transducers, cables, rigs, logging equipment, hut etc, from the site in so far as practicable.

To survey the routine survey lines across the beach and extend these offshore.

PROCEDURE AND METHODS: 30 April. Landrover and inflatable taken to Ilfracombe (EJM, AJM, TH). Trisponder installed on launch 'Excel' at low water. Sierra to Woolacombe (APC, MWLB, JMC). Beach sections surveyed at low water. The lines for echosounding were marked out and the trisponder remotes deployed. At high water the 4 routine surveying lines were extended offshore and some supplementary lines were undertaken, using 'Excel'.

1 May. Cortina to Woolacombe (PH, G le G); lorry to Woolacombe (DJ) via Barnstaple to collect Tasker drum trailer. 'Excel' to Woolacombe with inflatable to locate offshore rigs and calibrate Rig 1 using EDM. Float off Rig 1 using buoyancy. Remove beach transducers using JCB.

2 May. Remove cables from beach using JCB. Remove Microdata from hut; remove hut. Wind up cables as far as practicable. Attempt to remove Rig 2 using 'Excel' and inflatable. Remove marker buoy and mooring. Remove gear from 'Excel'. LW (and AJM) return to Taunton in private vehicle.

3 May. Complete winding up of cables. Load inflatable onto trailer. Return Tasker trailer to Barnstaple with lorry; then return to Woolacombe to complete loading. All vehicles back to Taunton pm.

EQUIPMENT PERFORMANCE: There were minor difficulties with the throttle linkage of the outboard motor, the offshore metal detector, and the well-known problem of the Land-Rover's starter motor.

RESULTS:

As a result of the work carried out between 30 April and 3 May it proved possible to:

- i) calibrate the Digiquartz on Rig 1. This showed a fall of 19 cm since the last value obtained in October 1983.
- ii) complete all the land and offshore survey.
- iii) to clear the site, with limited exceptions.

These were:-

- a) because of burial, Rig 2 was left below the sea bed.
- b) for similar reasons approximately 200 m lengths of cable were left between the 2 Rig sites and LWM.
- c) to avoid disturbance of the vegetated dunes, cables were not extracted over the short length between the dune crest and the former hut site.
- d) one beach transducer could not be located and was therefore abandoned.

STATION LIST: There were no significant differences for the coordinates of Rigs 1 and 2 as compared with previous values and the former ones will therefore continue to be used.

Report prepared by A P CARR

Approved by K R DYER

Date 4 May 1984