

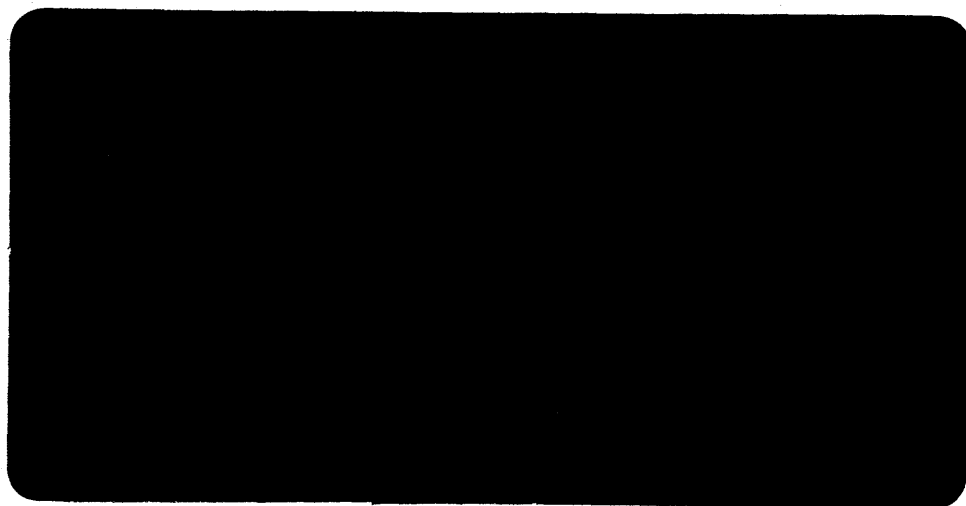


DEPT. NAT. RES & ENV



PE906327

AUSTRALIAN AQUITAINE PETROLEUM PTY. LTD.



ATTACHMENT 3

WCR SPEKE-1

W 870

W870

ATTACHMENT 3

POST-DRILLING SITE CLEARANCE SURVEY

SPEKE No. 1

OIL and GAS DIVISION

(by : RACAL SURVEY)

W.C.R.

16 AUG 1985

POST DRILLING SURVEYS
WYRALLAH + SPEKE LOCATIONS
FOR
AUSTRALIAN AQUITAINE PETROLEUM

Job No: 1267A

Dated : 10 - 13 July, 1984

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INDEX

	Abstract
	Requirements
Section 1.	Drilling Site Surveys
Section 2.	Diary of Events
Section 3.	Summary of Results
Section 4.	Transponders
Section 5.	Personnel
Section 6.	Distribution

APPENDIX

Track plot of surveys

ABSTRACT

The following report gives details of the post drilling Side Scan Sonar seabed clearance surveys carried out by Racal Survey at the Speke and Wyrallah locations after the Australian Aquitaine Petroleum drilling program in the Gippsland Basin Vic P.17 concession area.

These locations were given as:

Speke-1	Latitude	38° 30' 34.2" South
	Longitude	147° 37' 10.7" East
Wyrallah-1	Latitude	38° 40' 36.8" South
	Longitude	147° 05' 04.9" East

In each case the positioning system used was the pattern of 5 O.A.S.I.S. transponders previously used for the pre-drill survey and control of the drilling rig position on both sites. Details of the O.A.S.I.S. system are fully described in the pre-drill survey reports.

The surveys were run in choppy seas with wind strength varying from 15-30 knots over the four day period.

The work was undertaken between 10 - 13 July, 1984 on the M.V. Red Bluff, supplied by Australian Aquitaine.

REQUIREMENTS

To conduct post drilling Side Scan Sonar Surveys covering areas of 2km x 2km centred on the Speke-1 and Wyrallah-1 well locations with the purpose of establishing the presence or absence of any debris on the seabed.

To recover the 10 seabed transponders used as the survey position control.

Section 1.

DRILLING SITE SURVEYS

Prior to the arrival of the drilling rig at a location a Side Scan Sonar survey is carried out over a 2km x 2km area centred on the proposed well location in order to establish the presence or absence of any debris on the seabed. Full details of these surveys are given in the pre-drilling survey reports.

A similar Side Scan survey of each site is conducted following the departure of the rig from the location to locate any debris resulting from the drilling operation or document the absence of such oilfield debris.

Following consultations with Australian Aquitaine Petroleum it was decided due to the constraints of time, economy and a deteriorating weather forecast, to use a line spacing of 200 metres for the survey.

The Side Scan Sonar used was the EG&G Mk1B system comprising:

Model 259-4 Recorder

Model 272 Saf-T-Link Towfish

The recorder was set to a range of 200 metres on each channel in order to give 100% overlap between survey lines. Any anomalies recorded were to be investigated by running interlines on an expanded range scale.

Section 2.DIARY OF EVENTS

<u>Date</u>	<u>Time</u>	<u>Event</u>
10.7.84	2130	Survey personnel and equipment arrived Welshpool. Further equipment collected from AAP's warehouse. Equipment loaded on to M.V. Red Bluff.
	2400	Vessel departed Welshpool.
11.7.84	0800	Arrive Speke location. Checking transponder net relative calibration.
	1000	Testing and setting up Side Scan Sonar.
	1200	Commenced survey lines.
	2100	Survey lines completed. Awaited daylight to recover transponders.
12.7.84	0745	Release command to Transponder T6.
	0830	T6 failed to surface.
	0840	Release command to Transponder T4.
	0850	T4 recovered on deck.
	0910	Release command to Transponder T7.
	0940	T7 failed to surface.
	0950	Release command to Transponder T1.
	0955	T1 recovered on deck.
	1000	Release command to Transponder T2.
	1010	T2 recovered on deck.
	1030	Returned to T7 location, control unit indicates transponder still on seabed.
	1045	Returned to T6 location, control unit indicates transponder still on seabed.
	1100	Abandoned search, headed for Wyrallah.
1600	Arrived Wyrallah location. Checked transponders relative geometry.	
1730	Commenced survey lines.	
13.7.84	0100	Survey lines completed. Awaited daylight to recover transponders.
	0735	Release command to Transponder T8.
	0750	T8, recovered on deck.
	0800	Release command to Transponder T6.
	0805	T6 recovered on deck.
	0815	Release command to Transponder T4.
	0820	T4 recovered on deck.
	0830	Release command to Transponder T1.
	0840	T1 recovered on deck.
	0900	Release command to Transponder T2.
	1000	T2 failed to surface. Abandoned.
	1005	Recovered towfish. Headed for Welshpool.
	1415	Alongside Welshpool. Survey equipment and personnel demobilised.

Section 3.

SUMMARY OF RESULTS

No significant debris was detected at either site.

Track plots of the survey lines ran at each location are included as Appendices.

Section 4.

TRANSPONDERS

The seven transponders recovered showed considerable marine plant and animal encrustation and it is likely that this is the cause of the non recovery of the remaining three.

The surface control unit indicated the transponder release mechanism had operated successfully in each case but the transponders failed to surface within an hour of being released.

On past experience it is likely that at least some of these transponders will break loose from their anchors under tide action and will surface. They may then be returned to Racal by their finders.

<u>Speke</u>			<u>Wyrallah</u>		
<u>Transponder</u>		<u>Status</u>	<u>Transponder</u>		<u>Status</u>
<u>Channel</u>	<u>S/N</u>		<u>Channel</u>	<u>S/N</u>	
1	335	Recovered	1	303	Recovered
2	358	Recovered	2	158	Failed to surface
4	369	Recovered	4	322	Recovered
6	302	Failed to surface	6	331	Recovered
7	370	Failed to surface	8	341	Recovered

Section 5.

PERSONNEL

Mr. K. Perry

O.A.S.I.S. Engineer

Mr. A. Peart

Underwater Engineer

Section 6.

DISTRIBUTION

2 copies

Australian Aquitaine Petroleum

1 copy

Racal Survey

APPENDIX

Track plot of surveys

PE906328

This is an enclosure indicator page.
The enclosure PE906328 is enclosed within the
container PE906327 at this location in this
document.

The enclosure PE906328 has the following characteristics:

ITEM_BARCODE = PE906328
CONTAINER_BARCODE = PE906327
NAME = Survey Plan
BASIN = GIPPSLAND
PERMIT = VIC/P17
TYPE = GENERAL
SUBTYPE = SRVY_MAP
DESCRIPTION = Post-Drilling Site Clearance Map for
Speke-1
REMARKS =
DATE_CREATED = 13/07/84
DATE_RECEIVED = 16/08/85
W_NO = W870
WELL_NAME = SPEKE-1
CONTRACTOR = RACAL SURVEY
CLIENT_OP_CO = AUSTRALIAN AQUITAINE PETROLEUM

(Inserted by DNRE - Vic Govt Mines Dept)