Schlumberger

SYDNEY LOG
INTERPRETATION
CENTRE

# GEOGRAM*

## (Synthetic Seismogram)

DEPT. NAT. RES & ENV
PE902233

| | |
|---|---|
| Company: | BEACH PETROLEUM N.L. |
| Well: | NAJABA - 1A Form W.C.R |
| Field: | WILDCAT |
| Country: | AUSTRALIA |
| Reference No: | 560706 / 560707 Interval: 0.00 to 3412.00 |
| Date Logged: | 24/06/86 Date Processed: 10/07/86 |
| Location: | 037° 54' 13" S 141° 03' 50" E |
| Elevations: | KB: 57.7 M DF: 57.4 M GL: 51.7 M |
| Permanent Datum: | MSL Depth Units: METRES |

* A Mark of Schlumberger

## LOG INFORMATION

FIELD RECORDING: Engineer: A.JAMES/A.JAMAL Location: QEA Program Version: 28.2A

COMPUTATION: Analyst: M. SANDERS - Centre: SYJ Baseline: 14.2

ELEVATION ABOVE MEAN SEA LEVEL

Logging Datum: 57.7 M
Seismic Reference Datum: MSL
Ground Floor 51.7 M

Sonic Calibration By Check Shots: YES Sonic Edited By Analyst: YES

Two-Way Time Sample Interval: 2 ms Environment: onshore

True Vertical Depth Corrections Applied: NO
Source of True Vertical Depth Data:
Maximum Hole Deviation:

| Run | Date | Tool Type | Bit Size/ Depth | Casing Size/ Depth | Top Depth | Bottom Depth |
|---|---|---|---|---|---|---|
| 1 | 04/06/86 | SLS | 12 1/4" @ 1516 M | 20" @ 159 M | 159 | 1516 |
| 2 | 23/06/86 | SLS | 8 1/2" @ 3412 M | 13 3/8" @ 1486 M | 1486 | 3412 |

| VSP Run | Date | Gun Offset | Geoph. Offset | Gun Elevation | Geophone Elevation | Gun Azimuth | Geoph. Azimuth |
|---|---|---|---|---|---|---|---|
| 1 | 24/06/86 | AV 132 M | 19.4 M | 2.0 M below GL | 0.0 M below GL | 296° | 296° |

### GEOGRAM MODEL ASSUMPTIONS

Equal time slice model of horizontal plane layers.
Plane acoustic waves at normal incidence.
No intrinsic attenuation.

### POLARITY

An upgoing wave, reflected by an increase in acoustic impedance with depth, is displayed as a white trough under normal polarity.

### SIGNATURES

All signatures displayed in the Geogram results correspond to a wavelet convolved with a reflection coefficient of -0.5 (A decrease in acoustic impedance with depth).

REMARKS

Sonic log interval 170 - 3412 metres below KB
Density log not used
Time Scale = 7.5 in/sec

FOLD HERE

The well name, location and borehole reference data were furnished by the customer.

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretations made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

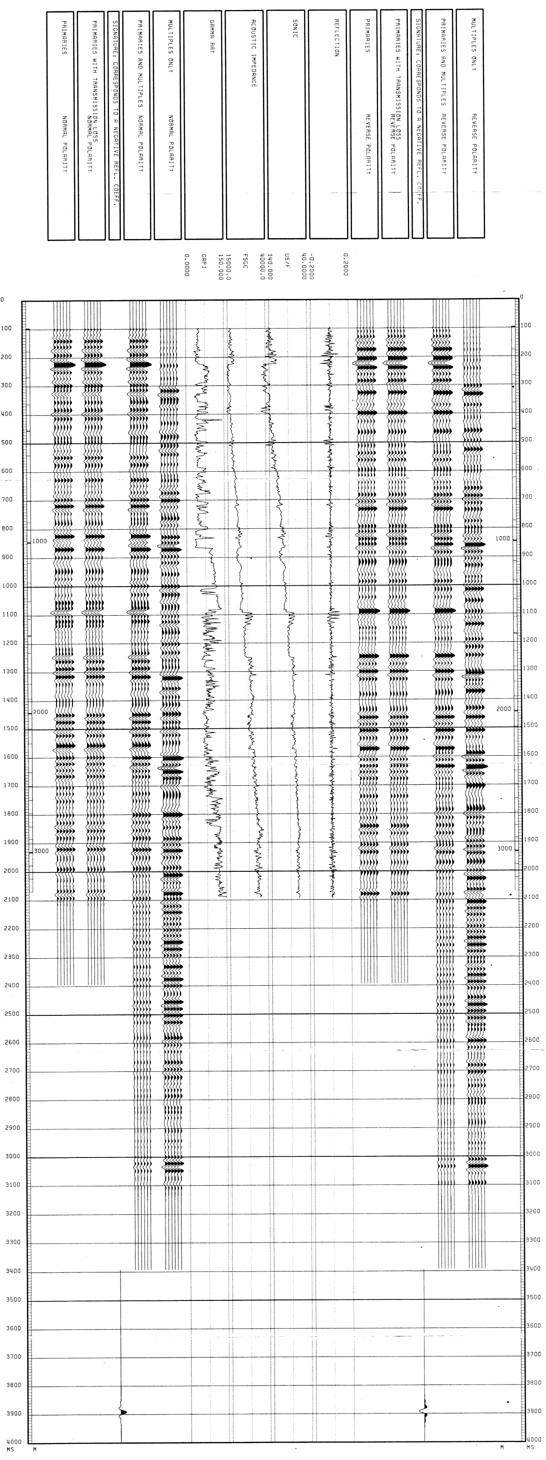
CLIENT : BEACH PETROLEUM N.L.
FIELD : WILDCAT
WELL : NAJABA - 1A

SREF.GEO.001* SPRM.GEO.001* SMUL.GEO.001* SMUG.GEO.001* GR* AIMP* DTTM* REFL* SREF.GEO.001* SPRM.GEO.001* SMUL.GEO.001* SMUG.GEO.001*

## GEOGRAM FROM WST
## BUTTERWORTH FILTER WAVELET
## 10-50 HERTZ (48 DB/OCTAVE)
## NORMAL & REVERSE POLARITY

## NAJABA - 1A

DEPTHS ARE TRUE VERTICAL DEPTH BELOW DATUM



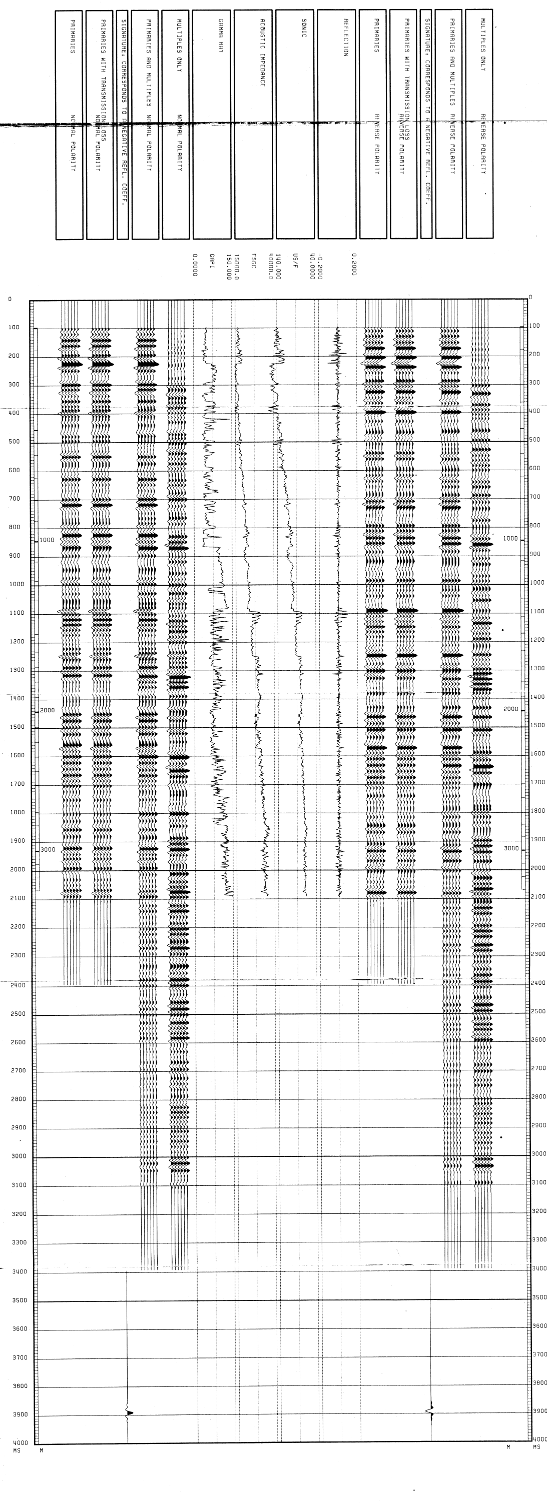
CLIENT : BEACH PETROLEUM N.L.
FIELD : WILDCAT
WELL : NAJABA - 1A

SREF.GEO.002* SPRM.GEO.002* SMUL.GEO.002* SMUG.GEO.002* GR* AIMP* DTTM* REFL* SREF.GEO.002* SPRM.GEO.002* SMUL.GEO.002* SMUG.GEO.002*

## GEOGRAM FROM WST
## BUTTERWORTH FILTER WAVELET
## 10-60 HERTZ (48 DB/OCTAVE)
## NORMAL & REVERSE POLARITY

## NAJABA - 1A

DEPTHS ARE TRUE VERTICAL DEPTH BELOW DATUM



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