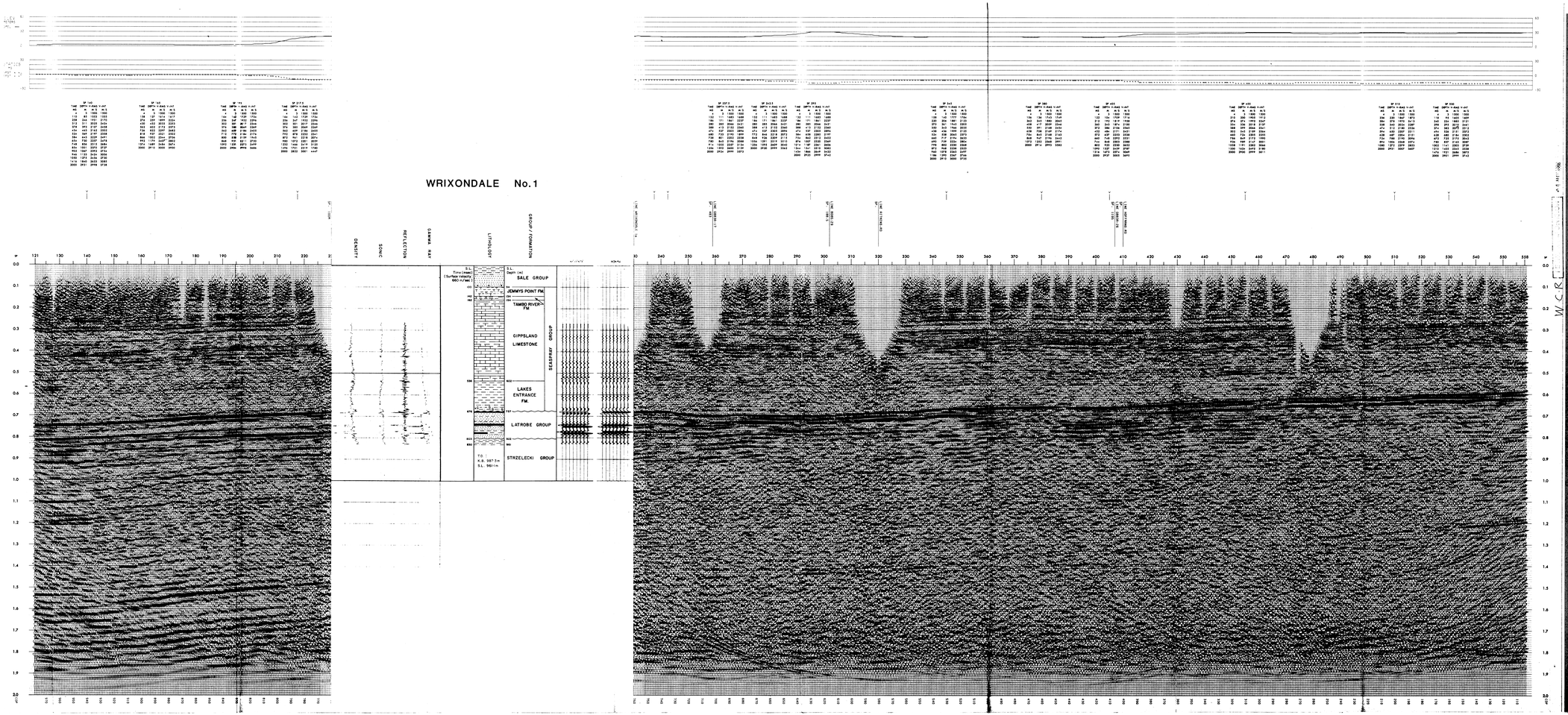

REGIONAL LINE : GB83A-26
THROUGH WRIXONDALE No.1 WITH
SYNTHETIC SEISMOGRAM.

Seiscom Delta Unitech

PE605005

BEACH PETROLEUM NL.

Line: GB83A-26
S.P: 120-560
Survey: Bengworden-83
Location: PEP 107 : Gippsland Basin
Area: Victoria

N

Process: MIGRATE STACK

Acquisition: Geosource
PARTY NUMBER: 6812 DATE: JANUARY 1984

ENERGY SOURCE:
type: Dynamite
direction of shooting: South
shotpoint interval: 120 m.
source depth: 8-24 m.
source array: single holes
size: 1 kg.
RECORDING GEOMETRY:
field of recording: 6002 type split spread
no. of groups: 96 interval 15 m.
spread: 742.5-37.5-0-37.5-742.5 m.
INSTRUMENTATION:
geophones: MD-79 10 Hz 12 in line over 30 m.
recording system: MDS-10
high cut: 125 Hz slope 72 dB/octave
record format: SEGB 1600 BPI P.E.
record length: 2 sec.
sample interval: 2 ms.
LVL Survey: Uphole Method.
Date : June 1985

Processing: SEISCOM DELTA INC.
CENTRE: MELBOURNE,AUSTRALIA DATE: DECEMBER 1985
COMPUTER SYSTEM: MEGASEIS

INITIAL PROCESS:
demultiplex: 2 sec.
EXPONENTIAL GAIN:
initial gain: +25 dB/sec. 4-400 msec.
TRACE EDIT :
DEPHASE :
phase compensation: for instruments and geophones
TWO DIMENSIONAL FILTERING
in F-K domain:
apparent velocities: 240 m/sec - 2011 m/sec
PULSE COMPRESSION:
statistical wavelet shaping: 160 ms pulse over 15-100 Hz
zero phase output
FREQUENCY DECONVOLUTION : 2 gate,bandwidth 15-100 Hz
DATUM STATICS: —
static corrections: for source and receiver elevations
datum: 0 m.
refractor velocity: 1700 m/sec
weathering statics: based on delay time map provided by Beach
CDP GATHER
VELOCITY ANALYSES: from Seiscom s Dove Velocity Spectra
RESIDUAL STATICS (DEWL): surface consistent solution
VELOCITY ANALYSES: from Seiscom s Dove and Panel Velocity Spectra
NORMAL MOVEOUT CORRECTION :
RESIDUAL STATICS (PASTI): sub-surface consistent solution
FRONT-END MUTE :
Offset: Time
203 m. 0. ms.
234 m. 200. ms.
400 m. 400. ms.
742 m. 600. ms.
SPHERICAL DIVERGENCE :
STACK:
type: true amplitude
field: 6
TRACE EQUALISATION :
data length window
WAVE EQUATION MIGRATION:
Kuehler Operator
FILTER:
A) 0 ms 25/35-110/130 Hz
B) 500 ms 23/35-105/125 Hz
C) 1000 ms 20/30-100/120 Hz
D) 1500 ms 16/26-70/90 Hz
E) 2000 ms 15/25-30/50 Hz
BASE LEVEL SCALING :
average window 250 msec.
DISPLAY SYSTEM: SEISCHROME II
type: trace equalised
vertical scale: 7.5 m/sec
horizontal scale: 21.2 m/m
polarity: deflections to the right, represent positive digital numbers.
job number : 851140

Geophysicist: Rob Slack SDU

0.5 km

1:6260

GIPPSLAND
REGIONAL LINE No.