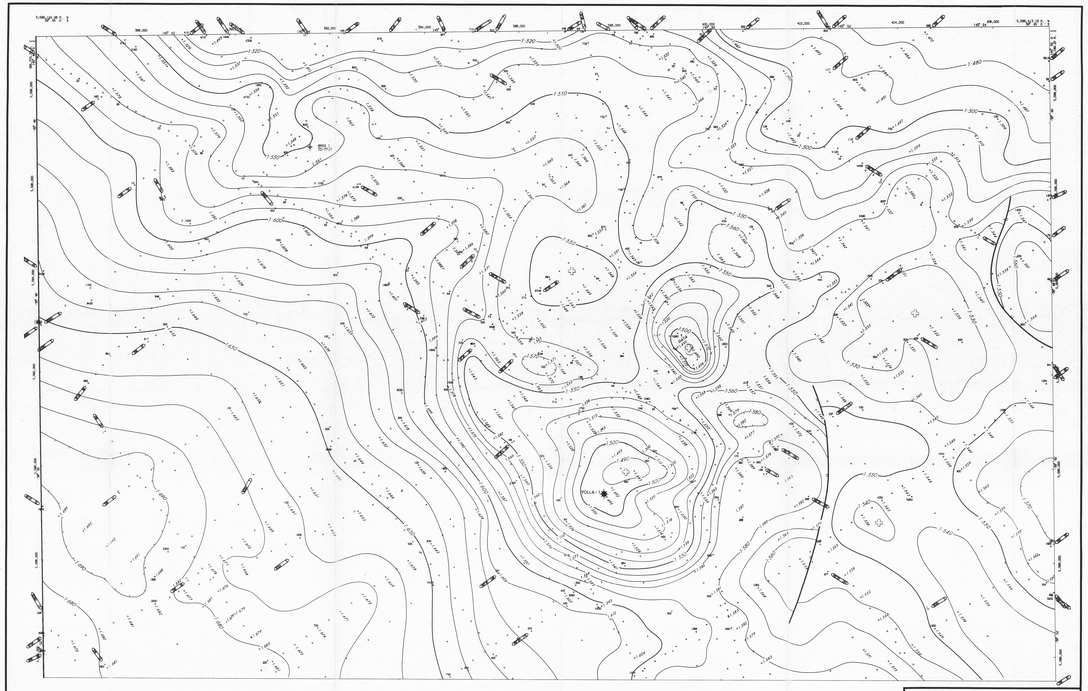
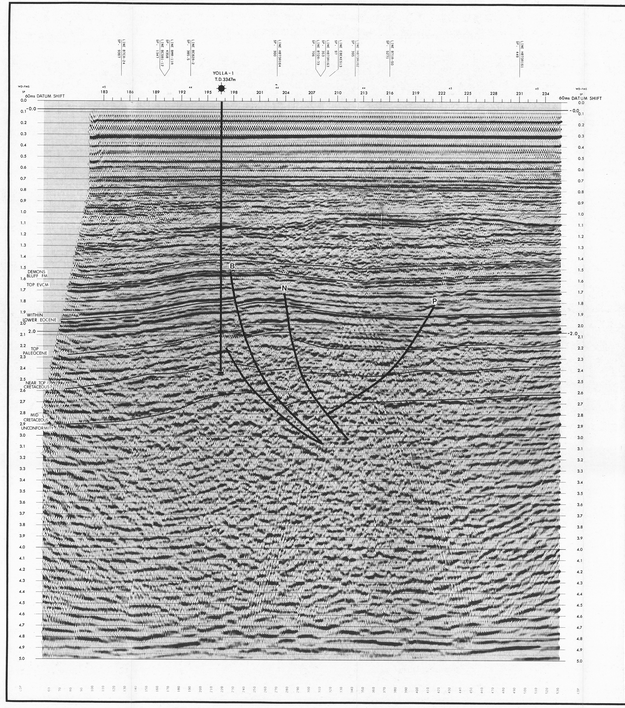




SEISCOM DELTA LIMITED

REPROCESSING
Line: H873A-169 Shotpoints: 183-236
(140-0169)
Area: BASS BASIN
Location: AUSTRALIA
Client: AMOCO AUSTRALIA PETROLEUM CO.
NE
Process: MIGRATED STACK
Polarity: NORMAL

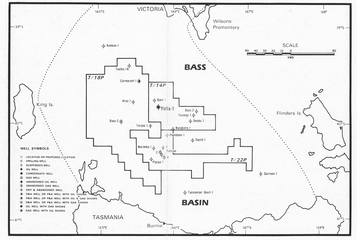
Acquisition: G. S. I. DATE: NOV. 1973
VESSEL: MUDRANOTT II



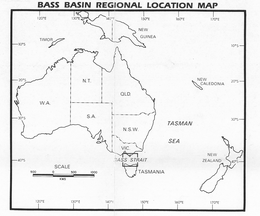
ENERGY SOURCE:
type: AIRGUN ARRAY
direction of shooting: SW-NE
shotpoint interval: 82 feet
source depth: 30–35 feet
size: 1300 cu. in.
RECEIVING ARRANGEMENT:
type of recording: digital
No. of channels: 48
cable length: 7710 ft.
near trace: 68
far trace: 1
INSTRUMENTATION:
recording system: DFS II TRACK
gain control: binary gain
filters: low cut: 8 Hz slope 18 dB/octave
high cut: 62 Hz slope 72 dB/octave
record length: 5 seconds
sample interval: 4 ms
POSITIONING: PRIMARY: GEONAV

Processing: SEISCOM DELTA INC.
CENTRE: CALGARY, ALBERTA DATE: DEC. 1984
COMPUTER SYSTEM: AMDAHL

INITIAL PROCESS:
reformat:
conversion of files: 2 on 1 vertical stack
sample interval: 4 ms
DATUM STATICS:
static corrections: for source and hydrophone depths
datum: sea level
replacement velocity: 4800 ft/sec
DECONVOLUTION BEFORE STACK:
pre-deconvolution filter: highpass 6 Hz
deconvolution type: predictive time gate
operator length: 210
prediction lag: 16
VELOCITY ANALYSES: from Seiscan 4 Dove Velocity Spectra
MULTIPLE SUPPRESSION BY MODEL FITTING TECHNIQUE
NMO:
MUTE:
STACK:
type: standard CDP
fold: 2400 %
WAVE EQUATION MIGRATION
DECONVOLUTION AFTER STACK:
operator length: 300 ms
prediction lag: 100 ms
FILTER:
A) 8/36 – 62/90 Hz, dB/oct. at 1700 ms
B) 8/36 – 25/60 Hz, dB/oct. at 2900 ms
C) 8/36 – 18/30 Hz, dB/oct. at 5000 ms
TRACE AMPLITUDE EQUALIZATION:
gate: 500ms
percent: 80%
average amplitude: 2000
DISPLAY SYSTEM: SEISCHROME II
display type: wiggle variable area
vertical scale: 3.7 inches/sec.
scale: 1 inch = 1000 ms
scale represent: positive digital numbers
QUALITY CONTROL D. DUMBECK APPROVED: S. DYAL
D. BYERS



BASS BASIN REGIONAL LOCATION MAP



Amoco Australia Petroleum Company

304223

Bass Basin

T/14P

YOLLA-1 MONTAGE

Report No.	Enclosure No. 1	Author: I.L. FLEMING / M.S. SMITH	
Date: FEBRUARY, 1986	Scale	Drfn'm. —	Dwg. No. P.F. 192