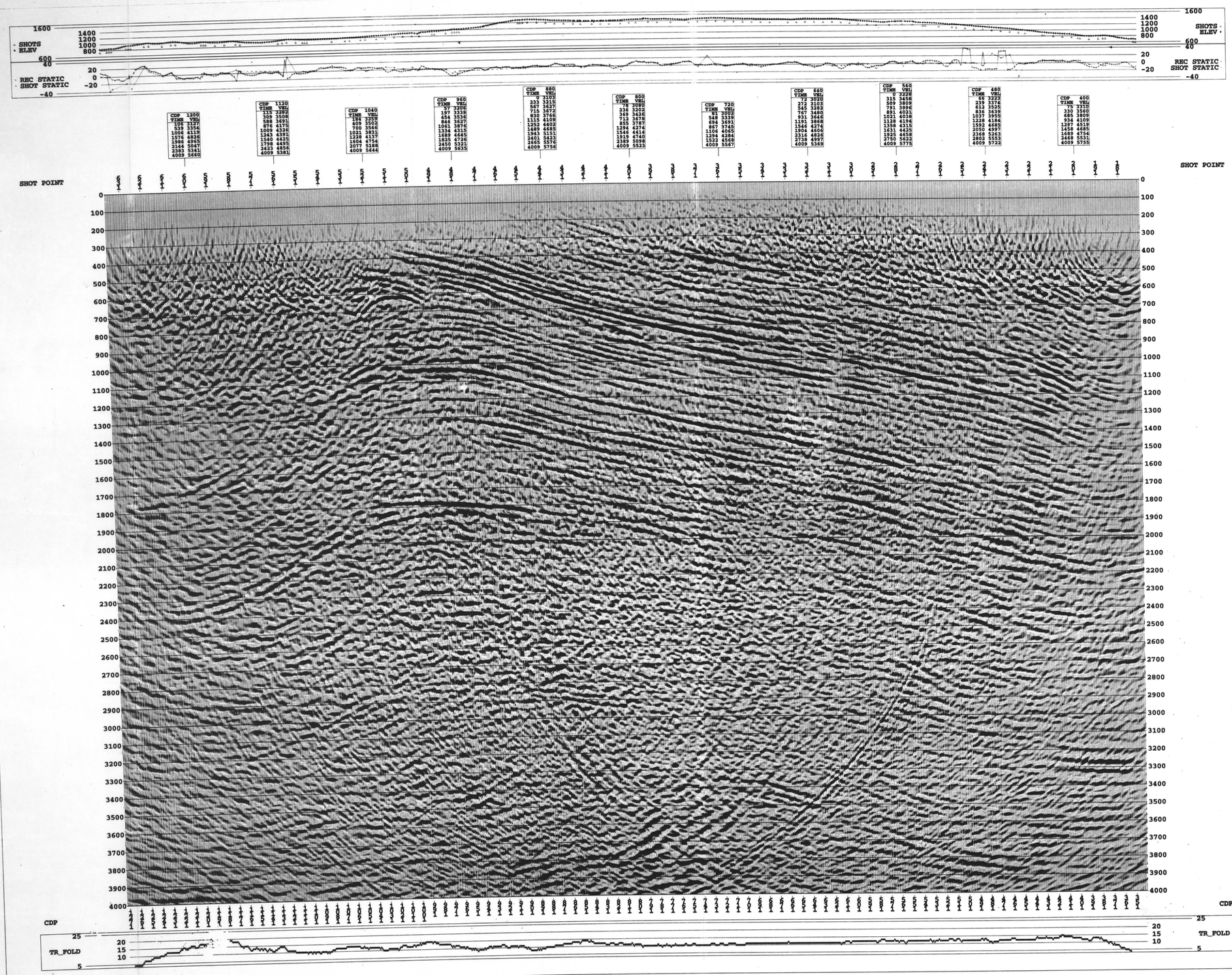
9229-N5-1E



East

Resolution Seismic Imaging

KOTANEELEE KOT-1 (44897)

Processed for NORCEN ENERGY

Migrated Stack
Normal Polarity

SP 637 — SP 171

FIELD PARAMETERS

ACQUISITION

Project.....Kotaneelee
Date shot.....01 DEC 93
Shot by.....Gerald Geophysical Ltd.
Shot for.....Anchor Energy
Party Number.....521

SOURCE

Source type.....Dynamite
Charge size.....2 x 26 Kg
Charge depth.....10-18m
Source array.....Two Holes
Source interval.....100 m

RECEIVERS

Geophone type.....Mark L-15,14 Hz
Geophone array.....18 over 50 m
Group interval.....25 m

INSTRUMENTS

Recording system.....Sercel 338MR
Recording format.....SEG B
Gain type.....Fixed
Record length.....2.0 sec
Sample interval.....2 ms
Number of channels.....96
Lo cut filter.....Out
Lo cut slope.....
Hi cut filter.....125 Hz.
Hi cut slope.....24 db/oct
Notch filter.....Out

SPREAD

T1----------748 ; 749----------796
1200m 25m SP 25m 1200m

PROCESSING SEQUENCE

DEMUX:

SEG-B multiplexed format, 2 msecs sample interval

GEOMETRIES:

Green Mountain Geoscribe

GAIN RECOVERY:

Spherical divergance correction,
$1/t*v**2$, trace/trace equalization

ELEVATION STATICS:

Datum elevation 1250 m
Replacement velocity 4000 m/sec

DECONVOLUTION:

Surface consistent Predictive deconvolution
80 msec operator length, 36 ms. Pred Distance
Design gate:
0400 - 3000 msecs @ 25m
0750 - 3000 msecs @ 1650m

FILTER:

Bandpass Filter, 10-15-45-55 hz

ITERATE:

REFLECTION STATICS:
Maximum power automatic statics,
Horizon keyed, 30 msecs max shift
VELOCITY ANALYSIS:
Iterative velocity analysis,
CDP interval = 60

TRIM STATICS:

Horizon keyed CDP statics,
max shift 10 msecs.

NMO/MUTE/STACK:

All offsets

POST STACK:

Band pass filter: 10-14-45-55
Time Variant Scaling
FD Migration using 80% of Velocity

PLOT:

Create cgm= plot file.

DISPLAY PARAMETERS

Thu Sep 19 12:40:00 1996
Traces/Inches = 13
Bias Percent = 0
Gain Set = 5
Gain Constant = 922.205
Static Shift = 0
Inches/Second = 7.5
Clip Limit = 4
RMS Amplitude = 1.08436

TRIATHLON PROJ. NO. 9229-N5-1E

LINE NO. KOT-1

PART NO. 1 OF 1 R.R. 8X