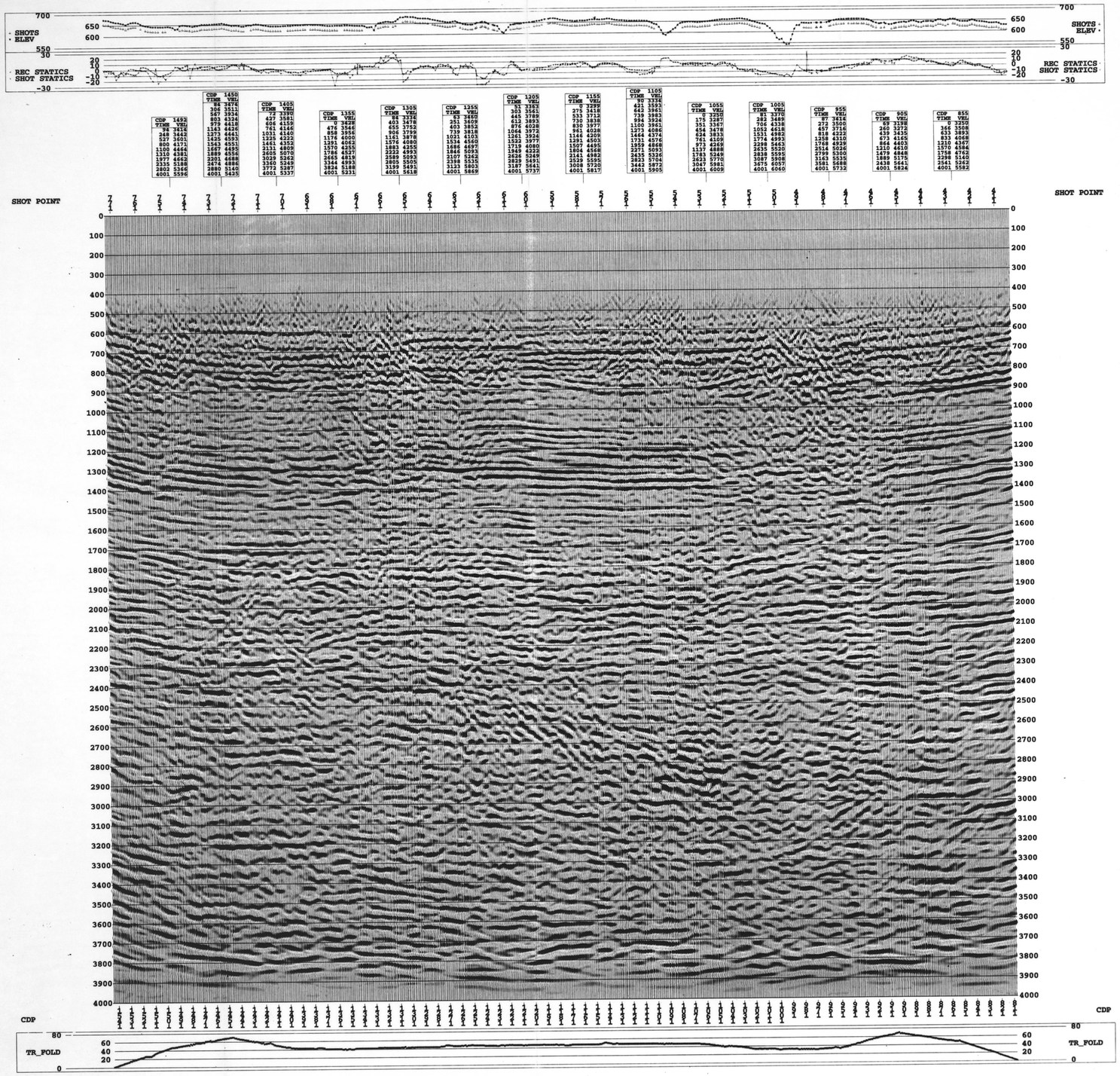
9229-N5-1E



North

Resolution Seismic Imaging

KOTANEELEE KOT-7N (44899)

Processed for
NORCEN ENERGY

Migrated Stack
Reverse Polarity

SP 773 SP 405

FIELD PARAMETERS

ACQUISITION

Project.....Kotaneelee
Date shot.....29 SEP 85
Shot by.....Sedel Geophysical Ltd.
Shot for.....Northcor Energy
Shot no.....521
Party number.....

SOURCE

Source type.....Dynamite
Charge size.....10. Kg
Charge depth.....8-12m
Source array.....Single Hole
Source interval.....40 m

RECEIVERS

Geophone type.....Geospace 14 Hz
Geophone array.....5 over 40 m
Group interval.....40 m

INSTRUMENTS

Recording system.....MDS-10
Recording format.....SEG B
Gain type.....Fixed
Record length.....2.7 sec
Sample interval.....2 ms
Number of channels.....96
Lo cut filter.....12 Hz
Lo cut slope.....18 db/oct
Hi cut filter.....125 Hz
Hi cut slope.....72 db/oct
Notch filter.....Out

SPREAD

```
S1----------------------748 ; 749----------------------796
 1920m                   40m  SP  40m                   1920m
```

PROCESSING SEQUENCE

DEMUX:

SEG-B multiplexed format, 2 msecs sample interval

GEOMETRIES:

Green Mountain Geoscribe

GAIN RECOVERY:

Spherical divergence correction,
1/(t*v**2), trace/trace equalisation

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:
0250 - 3000 msecs @ 40m
0850 - 3000 msecs @ 1920m

FILTER:

Bandpass Filter, 10-15-45-55 hz

ITERATE:

REFLECTION STATICS:
Maximum power automatic statics,
Horizon keyed, 30 msec. max shift
VELOCITY ANALYSIS:
Interactive velocity analysis,
CDP Interval < 50

TRIM STATICS:

Horizon keyed CDP statics,
max shift 10 msecs.

NMO/MUTE/STACK:

All offsets

POST STACK:

Band pass filter- 10-14-45-55
FD Migration using 60% of Velocity
Time Variant Scaling

PLOT:

Create cgm: plot file.

DISPLAY PARAMETERS

Wed Sep 25 08:10:20 1996
Traces/Inches = 12
Bias Percent = 0
Gain Set = 2.5
Gain Constant = 890.388
Static Shift = 0
Inches/Second = 7.5
Clip Limit = 4
RMS Amplitude = 1.12311

TRIATHLON PROJ. NO. 9229-NS-1E

LINE NO. KOT-7N

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