9229-N5-1E

East

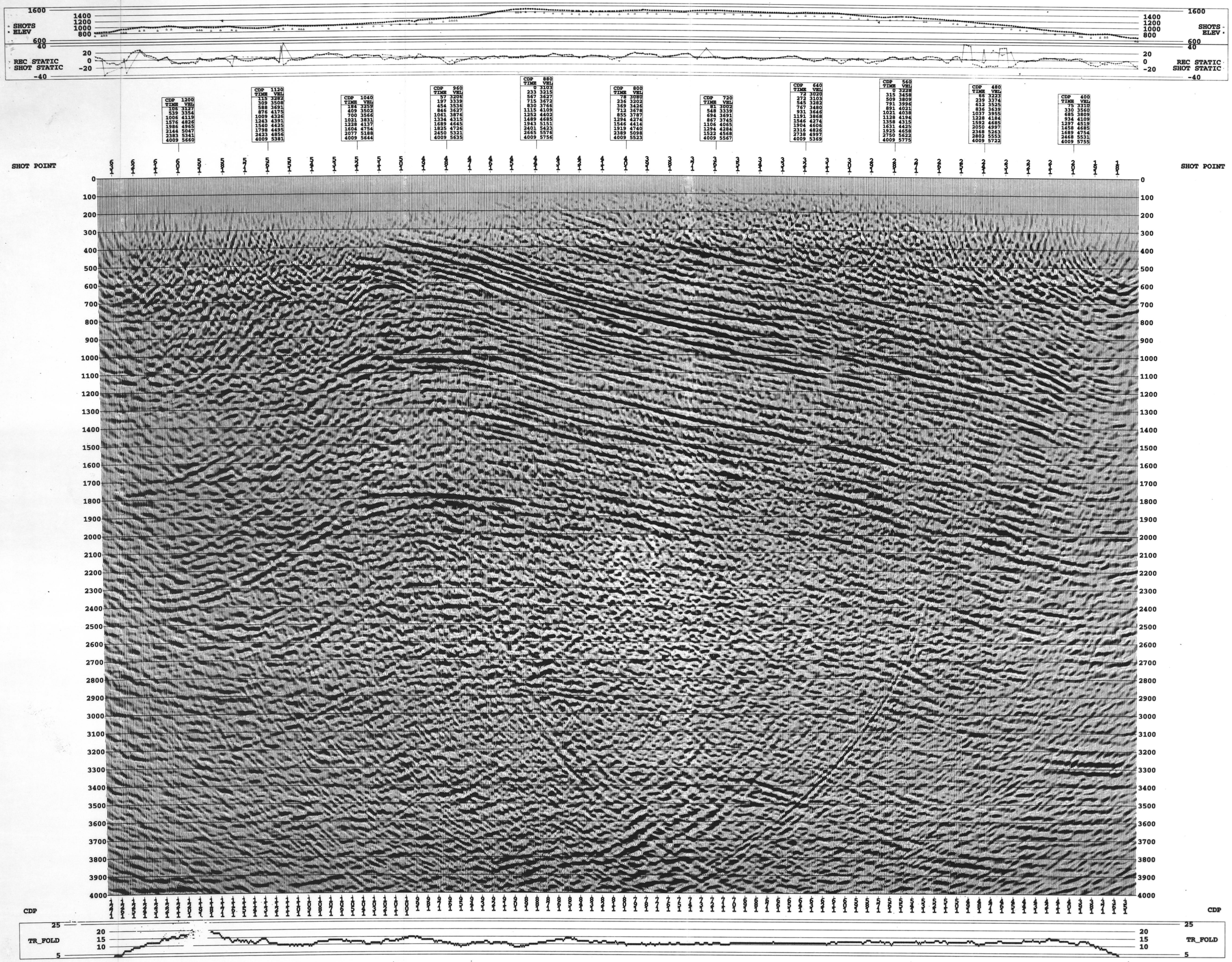
Resolution Seismic Imaging

KOTANEELEE
KOT-1 (44897)

Processed for
NORCEN ENERGY

Migrated Stack
Normal Polarity

SP 637 SP 171



FIELD PARAMETERS

ACQUISITION

Project..............................Kotaneelee
Date shot............................03 JULY 83
Shot by..............................Sefel Geophysical Ltd.
Shot for.............................Northcor 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 338HR
Recording format.....................SEG B
Gain type............................IFP
Record length........................6 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--------------------T48 . T49--------------------T96
1200m 25m SP 25m 1200m

PROCESSING SEQUENCE

DEMUX:

SEG-B mulitplexed format, 2 msecs sample interval

GEOMETRIES:

Green Mountain Geoscribe

GAIN RECOVERY:

Spherical divergence 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:
Interactive 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 60% of Velocity

PLOT:

Create cgm+ plot file.

DISPLAY PARAMETERS

Thu Sep 19 12:40:00 1996
Traces/Inches = 12
Bias Percent = 0
Gain Set = 0.5
Gain Constant = 922.205
Static Shift = 0
Inches/Second = 7.5
Clip Limit = 3
RMS Amplitude = 1.08436

TRIATHLON
PROJ. NO. 9229-NS-1E
LINE NO. KoT-1
PART NO. 1 OF 1
R.R. 8X