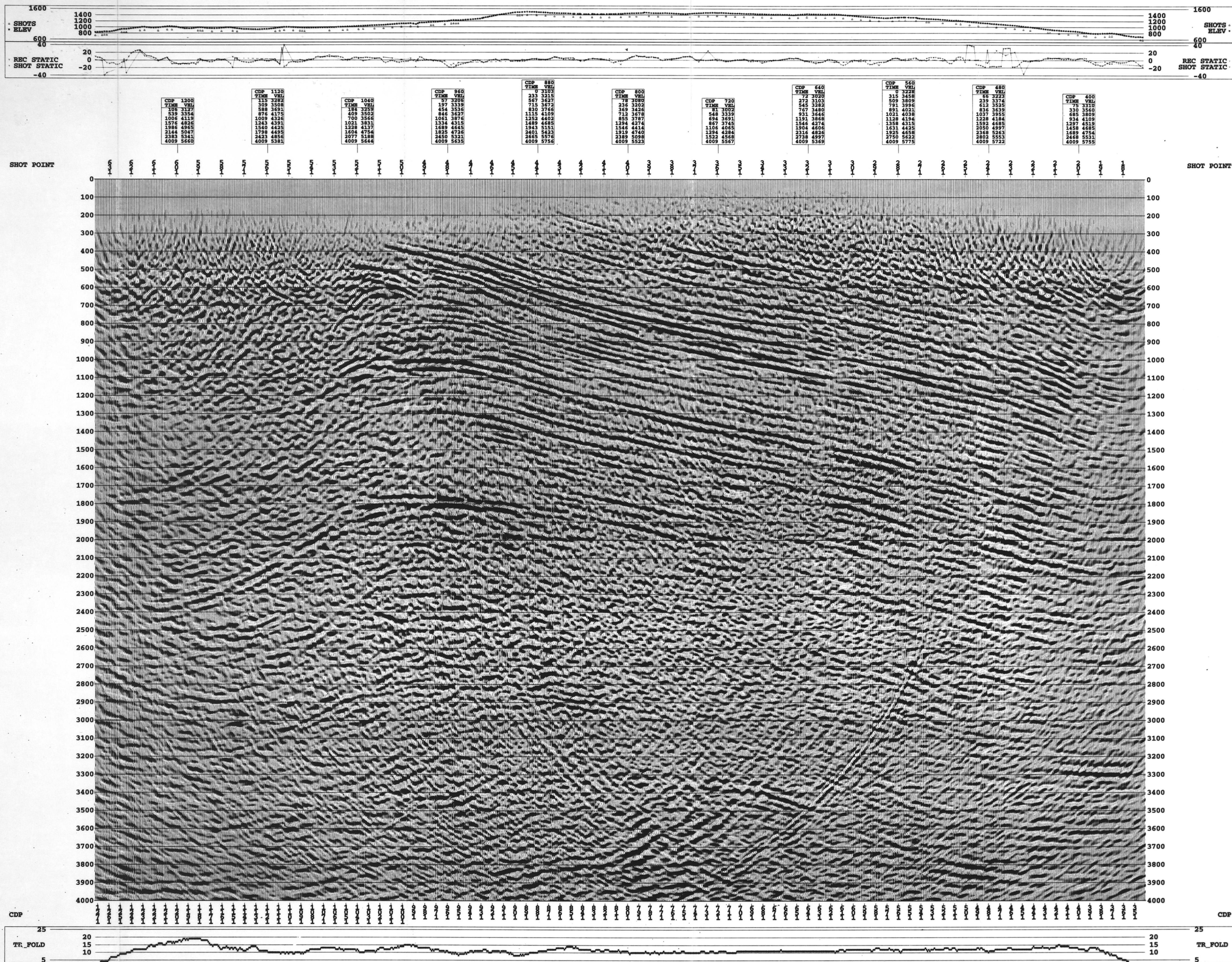




9229-N5-1E

East

Resolution
Seismic Imaging

KOTANEELEE
KOT-1 (44897)

Processed for
NORCEN ENERGY

Migrated Stack
Reverse Polarity
SP 637 SP 171

FIELD PARAMETERS

ACQUISITION
Project: KOTANEELEE
Date: 03 JUL 83
Shot by: Safel Geophysical Ltd.
Shot No.: 44897
Party number: 521

SOURCE
Source type: Dynamic
Charge size: 2 x 25 Kg
Charge depth: 10-15m
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: Serial 338M
Recording format: SMI B
Gain type: 100
Record length: 4 sec
Sample interval: 2 ms
Number of channels: 48
Lo cut filter: Out
Hi cut filter: 125 Hz
Hi cut slope: 18 dB/oct
Notch filter: Out

SPREAD
T1: 748 25m 748 1200m
T2: 748 25m 748 1200m

PROCESSING SEQUENCE

INPUT:
SRO-B multiplexed format, 2 msec sample interval

GEOMETRIES:
Green Mountain Geoscribe

GAIN RECOVERY:
Spherical divergence correction
1/r², trace/trace equalization

ELEVATION STATISTICS:
Datum elevation 1250 m
Replacement velocity 4000 m/sec

DECONVOLUTION:
Surface consistent Predictive deconvolution
80 msec operator length, 30 ms. Pred Distance
Design gain:
1000 - 3000 msec @ 25m
0750 - 3000 msec @ 150m

FILTERS:
Bandpass Filter, 10-15-45-55 Hz

ITERATE:
REFLECTION STATISTICS:
Maximum power automatic statics
Horizon keyed, 30 msec max shift
VELOCITY ANALYSIS:
Interactive velocity analysis
CDP interval: 60

TRIM STATISTICS:
Horizon keyed CDP statics
max shift 10 msec.

NOISE/NOTES/STACK:
All offsets

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

PLOT:
Create cpm plot file.

DISPLAY PARAMETERS

Thu Sep 19 12:41:02 1983
Traces/Inches = 12
Scale Percent = 0.5
Gain Set
Gain Constant = 922.205

Static Shift = 0
Inches/Second = 7.5
Clip Level = 1
RMS Amplitude = 1.08436