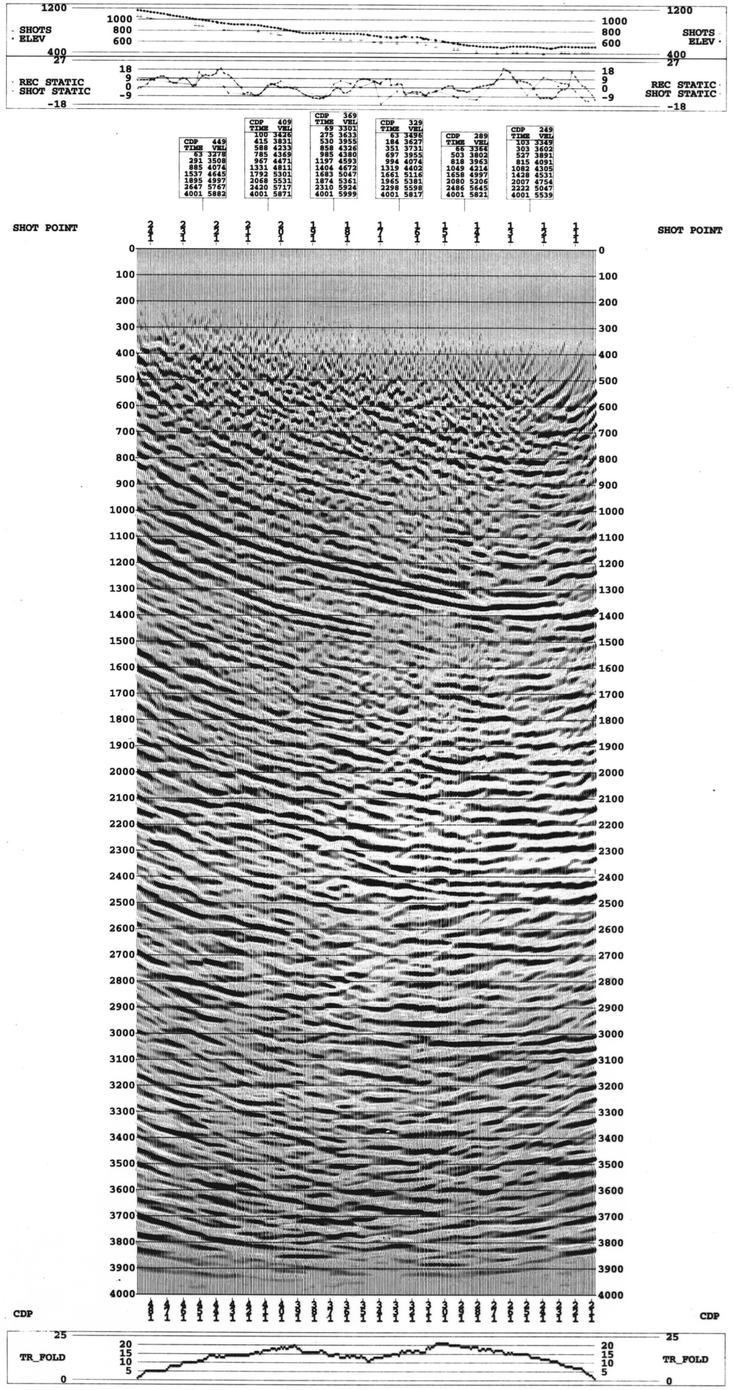
9229-N5-1E



South East

Resolution Seismic Imaging

KOTANEELEE KOT-2

Processed for
NORCEN ENERGY

Migrated Stack
Reverse Polarity

SP 245 SP 89

FIELD PARAMETERS

ACQUISITION

Project.....Kotaneelee
Shot shot.....13 AUG 83
Shot by.....Sefel Geophysical Ltd.
Client.....Lithoor Energy
Party number.....521

SOURCE

Source type.....Dynamite
Charge size.....2 x 24 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
Radio type.....IFP
Sample rate.....2 msec
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-----248 249-----296
1200m 25m SP 25m 1200m

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 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 gates:
0100 - 3000 msecs @ 25m
0750 - 3000 msecs @ 1850m

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 80% of Velocity

PLOT:

Create cgm- plot file.

DISPLAY PARAMETERS

Thu Sep 19 12:53:26 1996
Traces/inches = 12
Bias Percent = 0
Gain Set = 0.5
Gain Constant = NaNQ
Static Shift = 0
inches/second = 7.5
Clip Limit = 3
RMS Amplitude = NaNQ

TRIATHLON PROJ. NO. 9229-N5-1E

LINE NO. KOT-2

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