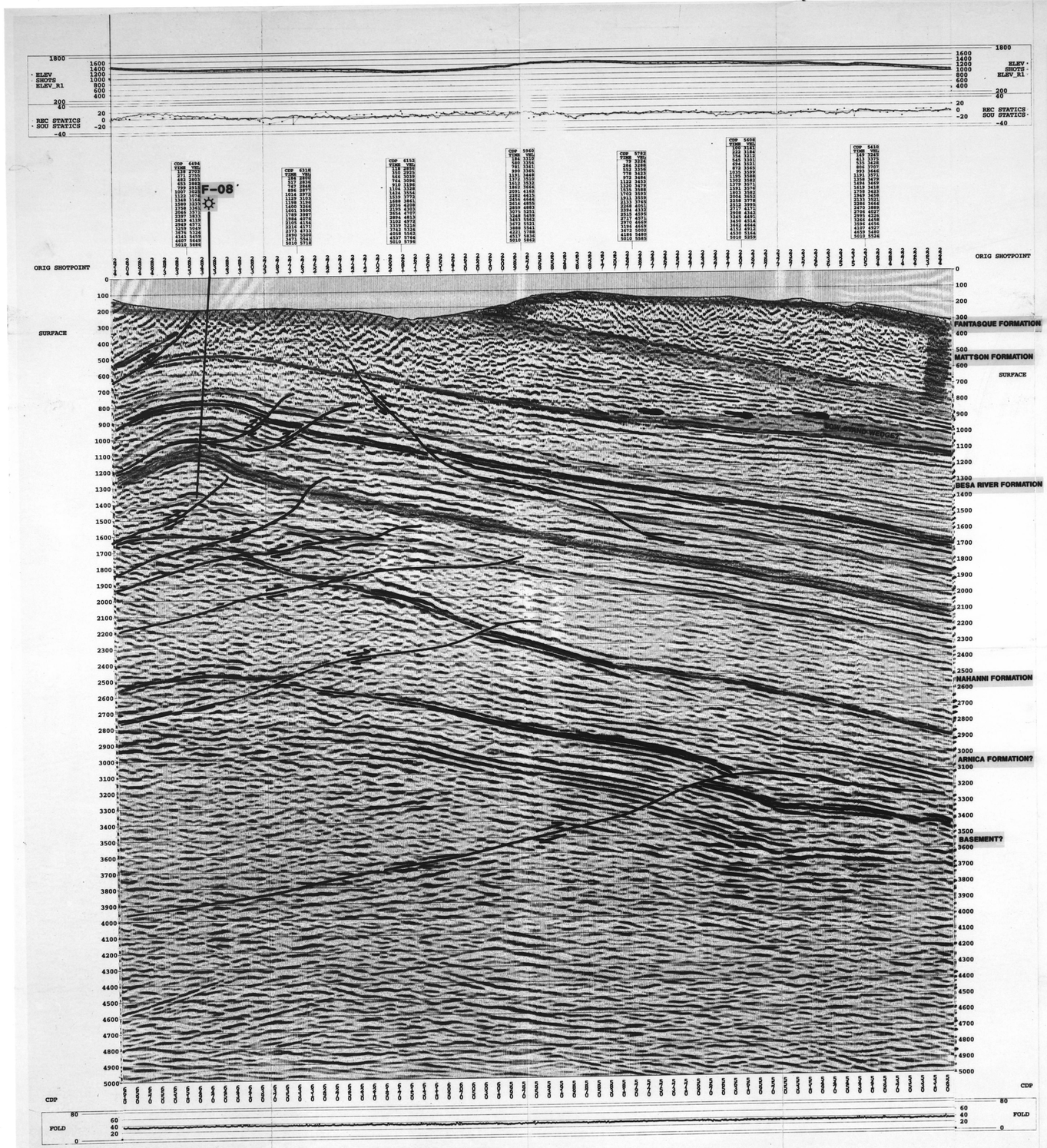
ENCLOSURE 2

9229-N5-1[illegible]

North East



B.F.R.

GEOPHYSICAL CONSULTANTS LTD

A WHOLLY OWNED SUBSIDIARY OF GEODATA CORPORATION

IN CONJUNCTION WITH

Schlumberger

Geco Prakla

A DIVISION OF SCHLUMBERGER OILFIELD LTD

FTL4X FTL4

PRE-STACK TIME MIGRATION

Normal Polarity

SP 3520 112,3649 2989

FIELD PARAMETERS

ACQUISITION

Project.....Fort Liard
Date shot.....12 AUG 96
Line No.....Fort Liard
Shot for.....Arco Geophysical Consultants
Party number.....1267

SOURCE

Source type.....Dynamite
Charge size.....18 kg
Charge depth.....18 m
Source array.....Single hole
Source interval.....50 m

RECEIVERS

Geophone type.....GTO 10 Hz.
Geophone array.....4 over 15 m
Group interval.....15 m

INSTRUMENTS

Recording system.....I/O System II
Recording format.....SEG-D
Gain type.....Fixed 36db
Sample rate.....2 msec
Sample interval.....2 msec
Number of channels.....480
Low cut filter.....10 Hz.
Lo cut slope.....
Hi cut filter.....135 Hz.
Hi cut slope.....
Notch filter.....Out

SPREAD

V1----------V200 V201----------V600
3500 m 15m SP 15m 3500m

PROCESSING SEQUENCE

DEMUX:

SEG-D Trace Sequential format, 2 msecs sample interval

GEOMETRIES:

Green Mountain Geocsribe

GAIN RECOVERY:

Spherical divergence correction,
1/t**2, trace/trace equalization

REFRACTION STATICS:

SRD refraction statics
SRD at Elevation 1700 m
Replacement velocity 4000 m/sec

DECONVOLUTION:

Surface consistent spiking deconvolution
120 msec operator length, 0.1% pre-whitening
Design gates:
0250 - 2000 msecs @ 15m
1300 - 3000 msecs @ 300m

FILTER:

Spectral Balancing Filter, 10-14-60-70 hz

ITERATE:

REFLECTION STATICS:
Maximum power automatic statics,
Correlation window 40 msecs max shift
VELOCITY ANALYSIS:
Interactive velocity analysis,
CDP interval = 100

PREPARE FOR PRE-STACK MIGRATION

Move data to smooth floating datum
Apply residual statics
Change cdp binning interval to 15 m

ITERATE:

Kirchoff Pre-Stack Migration V21
Aperture=5500 m
Velocity Analysis

MUTE/STACK:

offsets 0-3500 with inside and outside mutes

POST STACK:

Bandpass filter- 12-16-50-60
Time Variant Scaling- 7 gates

Processing by

Resolution Seismic Imaging

DISPLAY PARAMETERS

Wed Nov 20 13:59:06 1996
Trace Scale = 20.5
Bias Percent = 0
Gain Exp = 0.3
Gain Constant = 556.782

Master Shift = 0
Header Shift = 0
Clip Limit = 2
RMS Amplitude = 0.898017

TRIALTHON PROJ. NO. 9229-N5-1[illegible] LINE NO. FTL4 PART NO. 1 OF 1 R.R. 10X