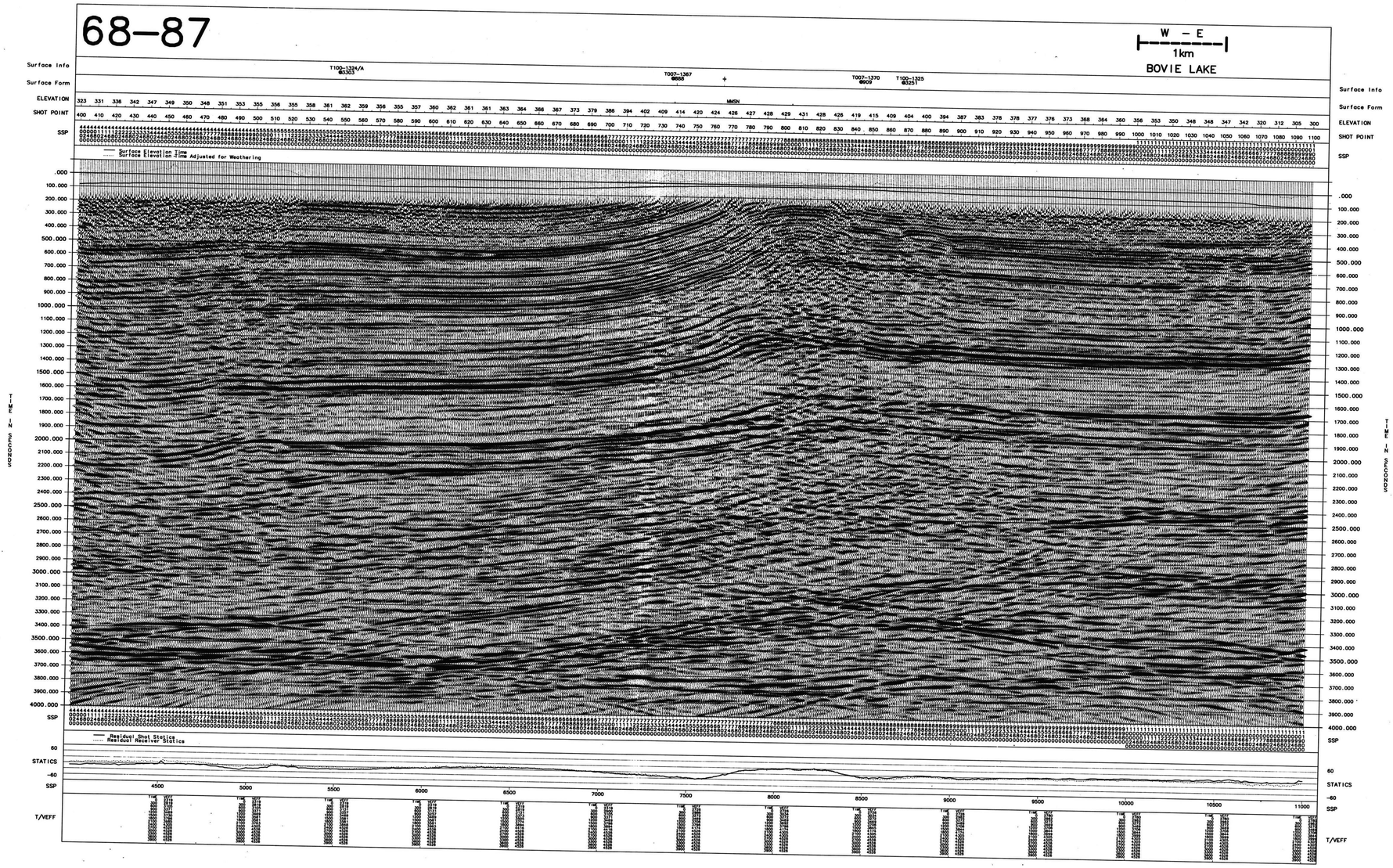

Shell Canada Limited

BOVIE LAKE
A006800087

MIGRATED STACK
NORMAL POLARITY
SP: 400 - 1100
W <——————> E

ACQUISTION PARAMETERS

SHOT BY : SCHLUMBERGER GECO-PRAKLA
DATE : 05 MAR 1995
FOLD : 100

FIELD PARAMETERS:

- RECORDING INSTRUMENT:
  - RECORDER : I/O II
  - LOW CUT FILTER : 187 HZ
  - HIGH CUT FILTER : 187 HZ 12 DB/OCT
  - RECORD LENGTH : 4.0 SEC
  - DIGI. INTERVAL : 2 MS
  - TAPE FORMAT : SEGD
  - NUMBER OF CHANNELS: 400
- SOURCE:
  - LINEAR VIBROSEIS:
  - SWEEP FREQUENCIES : 6 - 72 HZ
  - SWEEP LENGTH : 28 S
- GEOPHONE ARRAY:
  - SENSOR SM-4 12 OVER 20 M
  - 1.8 M BETWEEN GEOPHONES
  - 14 HZ RESONANT FREQUENCY
  - 70 % DAMPING FACTOR
- SPREAD GEOMETRY:
  - STATION SPACING : 20.0 M
  - SOURCE SPACING : 40.0 M
  - SOURCE OFFSET 10.0 M TOWARD ASC STATION

```
TRN      1                 200       201                 400
STN     561                760       761                 960
         X-----------------X         X-----------------X
SHOT                                  760
OFFSET -3990              -10         10              3990 METERS
```

PROCESSING SEQUENCE

IDENTING AND REFRACTION STATICS : C&C

- PROCESSING DATUM : 448 M
- REPLACEMENT VELOCITY : 3050 M/S.

SHELL PROCESSING SEQUENCE

- ANTI-ALIAS FILTER
- RESAMPLE TO 4 MS
- APPLY TOTAL REFRACTION STATICS TO FLOATING DATUM
- GAIN RECOVERY
  - T**(1.00)EXP(1.00*T)
- TRACE EDITS
- SURFACE CONSISTENT RESIDUAL STATICS
- KF FILTER:
  - VELOCITY APERTURE : 5000 TO 1500 M/S (30% HANNING TAPER)
  - VELOCITY APERTURE : -1500 TO -5000 M/S (30% HANNING TAPER)
  - FILTER CUT : 30 DB
- LINEAR NOISE SUPPRESSION
- TRACE CONSISTENT MINIMUM PHASE DECONVOLUTION
- SURFACE CONSISTENT RESIDUAL STATICS
- VELOCITY ANALYSIS FROM FLOATING DATUM
- SURFACE CONSISTENT RESIDUAL STATICS:
- PRE-STACK TRACE NORMALIZATION
  - AVC : 800 MS
  - LEVEL : 2000
- STATIC CORRECTION TO DISPLAY DATUM
- PRE-STACK TIME MIGRATION
- CMP STACK
- DISPLAY FILTER
  - 10/12-60/12 HZ : 0 TO 4000 MS
- POST-STACK TRACE NORMALIZATION
  - AVC : 800 MS
  - LEVEL : 2000

DISPLAY PARAMETERS:

- 2:1 CMP DEPOPULATION
- HORIZONTAL SCALE : 1:20000
- VERTICAL SCALE : 3.000 IPS

INTERPRETER : ZAHYNACZ
PROCESSOR : LONGBOTHAM
DATE : AUGUST 1995

PROJ. NO. 9 2 2 9 - S 6 - 9 E
LINE NO. 6 8 - 8 7
PART NO. 1 OF 1