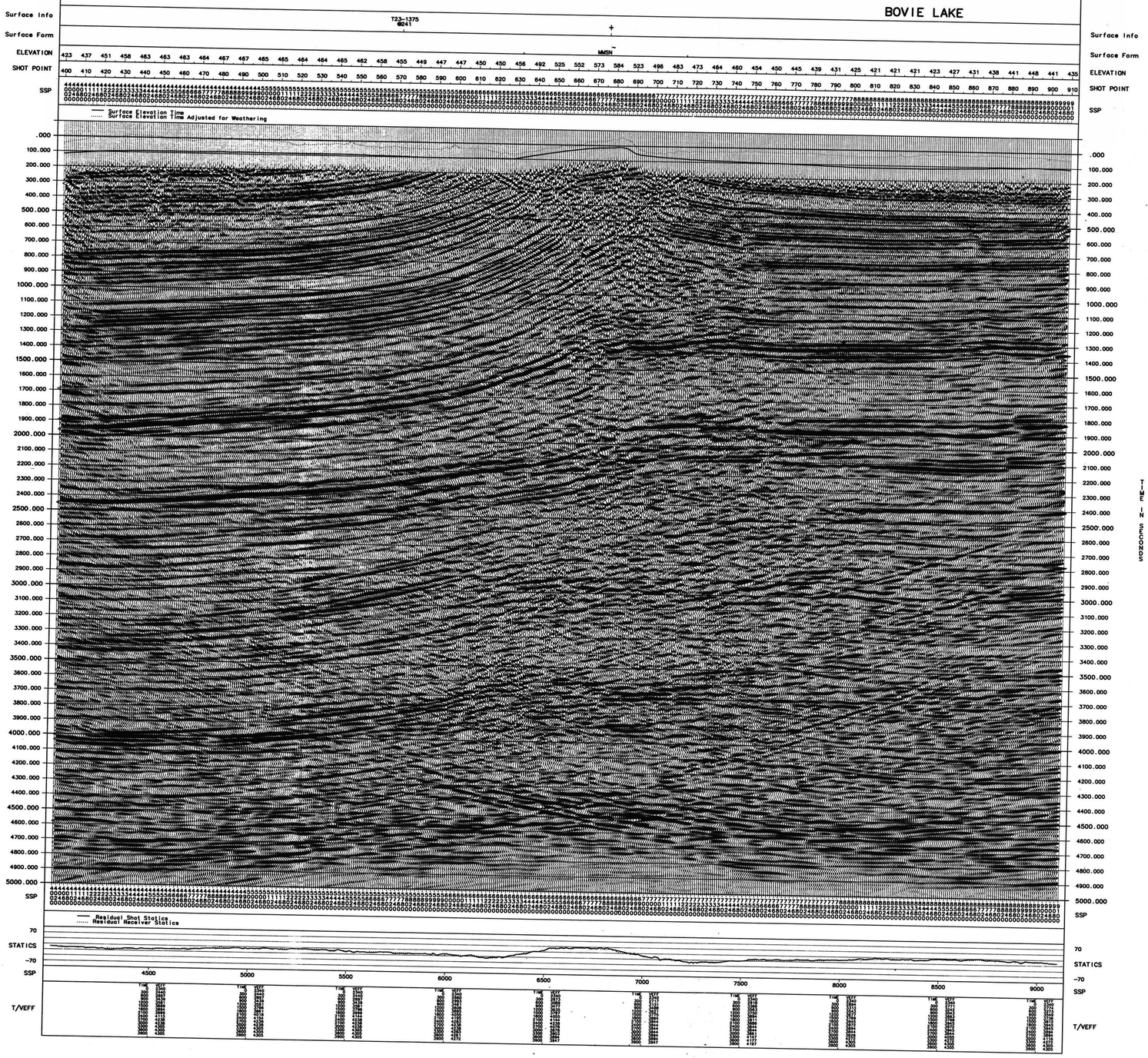
68–98

W – E
1km

BOVIE LAKE



9229-S6-9E

Shell Canada Limited

BOVIE LAKE
A006800098

MIGRATED STACK
NORMAL POLARITY
SP: 400 – 910
W <——————> E

ACQUISTION PARAMETERS

SHOT BY : SCHLUMBERGER GECO-PRAKLA
DATE : 26 MAR 1995
FOLD : 100

FIELD PARAMETERS:

– RECORDING INSTRUMENT:
RECORDER : I/O II
LOW CUT FILTER : 3 HZ 12 DB/OCT
HIGH CUT FILTER : 187 HZ
RECORD LENGTH : 5.0 SEC
DIGI. INTERVAL : 2 MS
TAPE FORMAT : SEGD
NUMBER OF CHANNELS: 400

– SOURCE:
LINEAR VIBROSEIS:
SWEEP FREQUENCIES : 8 – 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      461          660     661          860
         X-------------X  S  X-------------X
SHOT                   660
OFFSET -3990          -10     10         3990  METERS
```

PROCESSING SEQUENCE

IDENTING AND REFRACTION STATICS : C&C

– PROCESSING DATUM : 600 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)XEXP(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
– DEABSORPTION:
ALPHA = 0.20 DB/HZ/S
– 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 5000 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

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PROJ. NO. 9229-S6-9E
LINE NO. 68-98
PART NO. 1 OF 1