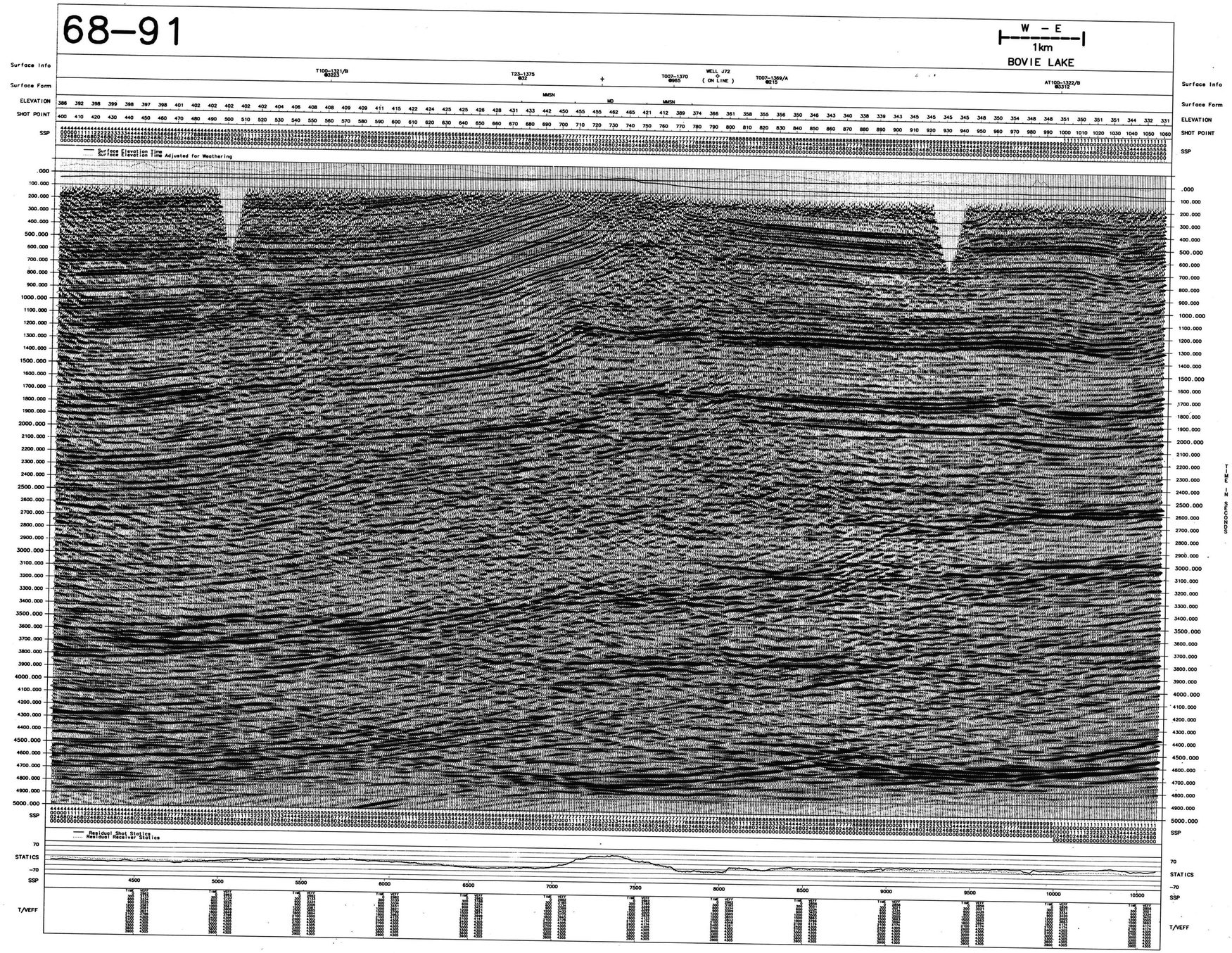
9229-S6-9E

68-91



Shell Canada Limited

BOVIE LAKE
A006800091

MIGRATED STACK
NORMAL POLARITY
SP: 400 – 1061
W <——> E

ACQUISTION PARAMETERS

SHOT BY : SCHLUMBERGER GECO-PRAKLA
DATE : 10 MAR 1995
FOLD : 100

FIELD PARAMETERS:

– RECORDING INSTRUMENT:

RECORDER : I/O II
LOW CUT FILTER : 9.5 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 VIBROSIES:
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 541 740 741 940
X——X S X——X
740
SHOT
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=(1.0)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 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. 9 2 2 9 - S 6 - 9 E
LINE NO. 6 8 - 9 1
PART NO. 1 OF 1
R.R. 8X