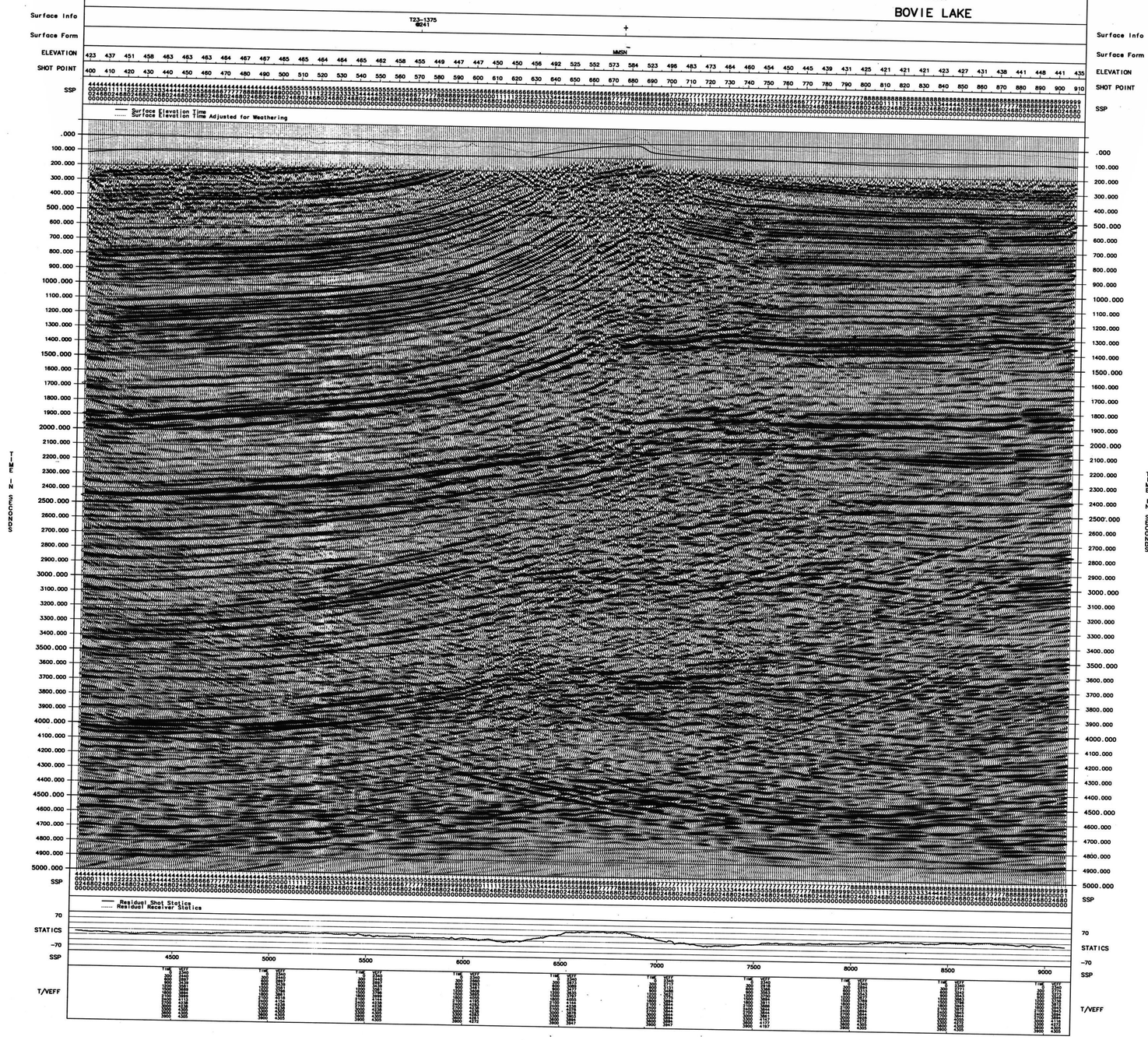
68–98

W – E
1km
BOVIE LAKE



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 : 6 – 72 HZ
SWEEP LENGTH : 28 S

– GEOPHONE ARRAY:
SENSOR SM-4 12 OVER 20 M
14 M BETWEEN GEOPHONES
10 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 : 500 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
– 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. 9 2 2 9 - S 6 - 9 E
LINE NO. 6 8 - 9 8
PART NO. 1 OF 1