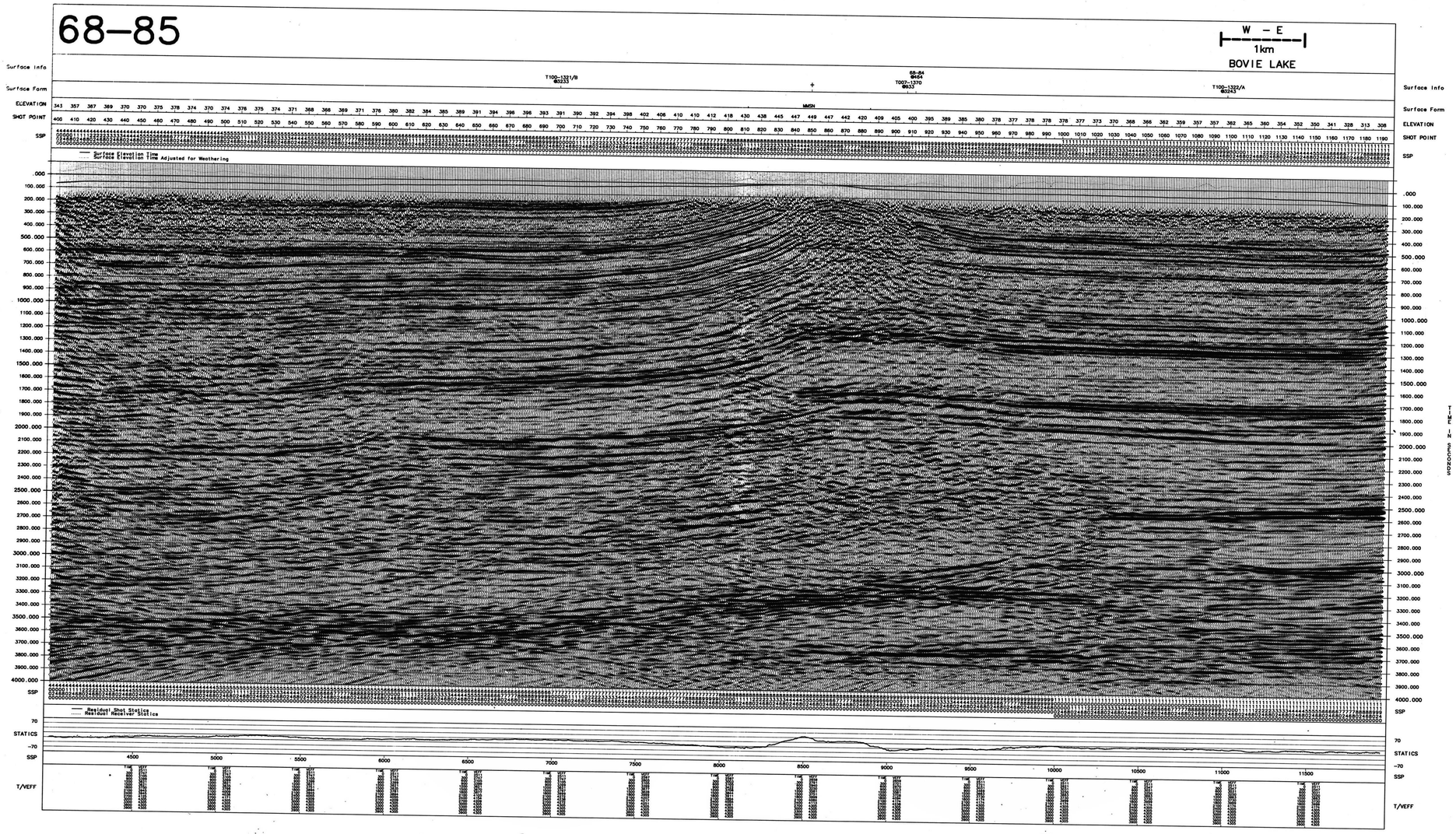
9229-S6-9E

68-85



Shell Canada Limited

BOVIE LAKE
A006800085

MIGRATED STACK
NORMAL POLARITY
SP: 400 – 1194
W <——> E

ACQUISTION PARAMETERS

SHOT BY : SCHLUMBERGER GECO-PRAKLA
DATE : 27 FEB 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 : 4.0 SEC
DIGI. INTERVAL : 2 MS
DATA 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
10 HZ NATURAL 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	601		800	801		1000
	X	X	600	X	X	
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+(1.00)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
AVG. LEVEL : 800 MS
: 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
AVG. LEVEL : 800 MS
: 2000

DISPLAY PARAMETERS:
2:1 CMP DEPOPULATION
HORIZONTAL SCALE : 1:20000
VERTICAL SCALE : 3.000 IPS

INTERPRETER : ZAHYNACZ
PROCESSOR : LONGBOTHAM
DATE : AUGUST 1995

Ottawa, Ont.
Canada K1G 3P5
Tel: (613) 731-9571
Fax: (613) 731-0453
PROJ. NO. 9 2 2 9 - S 6 - 9 E
LINE NO. 6 8 - 8 5
PART NO. 1 OF 1