

9209-55-1E

VERITAS SEISMIC LTD.

FIELD POLARITY
MIGRATED STACK

LINE NO: 85-7 DIRECTION: NE
AREA: TROUT LAKE
DATUM: 610 m A.S.L.

PROCESSED FOR:
SULPETRO LTD.

DATE PROCESSED: APR. 1985 DATE SHOT: MAR. 1985
SHOT BY: NORTHERN GEOPHYSICAL LTD.

FIELD PARAMETERS

SOURCE TYPE	Dynamic	GEOPHONE TYPE	14 Hz
SOURCE INTERVAL	100 m	GROUP INTERVAL	25 m
SOURCE LAYOUT	single hole	GEOPHONE LAYOUT	8 over 25 m
AVG. CHARGE SIZE	1 kg	AVG. HOLE DEPTH	15 m
INSTRUMENTATION	SPS V	GAIN MODE	I.F.P.
FIELD FILTER	12/120 Hz Match Out	COVERAGE	1200 m
RECORD LENGTH	9 sec	SAMPLE INTERVAL	2 ms
SPEED OF TRAVEL	1 - 40 SP 40 - 50		
DISTANCE	1225 - 50	50 - 1225 m	

DISPLAY PARAMETERS

TRACES/INCH	12	INCHES/SECOND	7.5
-------------	----	---------------	-----

PROCESSING PARAMETERS

1 DEMULTIPLY
Recorded Length 3000 m Sample Rate 2 m
Processed Length 2000 m Sample Rate 2 m

2 AMPLITUDE RECOVERY - EXPONENTIAL CURVE

3 GEOMETRY - STRAIGHT LINE

4 DEPHASING - INSTRUMENT & GEOPHONE

5 DECONVOLUTION - SPIKING
Operator 80 m PHOTOMETERING 5.0 m
FILTER Distance Design Gate Appl. Gate
1 50 m 300 - 1000 0 - 2000 m
2 1225 m 000 - 1700 0 - 2000 m

6 RESIDUAL AMPLITUDE ANALYSIS and APPLICATION

7 STRUCTURE STATISTICS - 2 LAYER DRIFT COMPUTATION
Datum 610 m A.S.L.
Replacement Velocity 2400 m/s

8 TRACE GATHER

9 NORMAL MOVEOUT

10 STATISTICS - AUTOMATIC SURFACE CONSISTENT
Window 300 - 1500 m

11 FIRST BREAK MUTES
Distance 275 1225 2450 m
Rate 320 000 1600 m

12 STATISTICS - TRIM
Correlation Window 400 - 1400 m

13 STACK

14 FILTER - BANDPASS
FILTER 1 Pass Band 15/20 - 70/80 Appl. Gate 0 - 2000 m

15 AMPLITUDE EQUALIZATION - MEAN SCALE
Window 400 - 1400 m

16 MIGRATION



