

**VERITAS SEISMIC LTD.**

**FIELD POLARITY
MIGRATED STACK**

LINE NO: 85-14 DIRECTION: SE
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	Dynamite	GEOPHONE TYPE	14 Hz
SOURCE INTERVAL	160 m	GROUP INTERVAL	25 m
SOURCE LAYOUT	single hole	GEOPHONE LAYOUT	0 over 25 m
AVG. CHARGE SIZE	1 kg	AVG. HOLE DEPTH	15 m
INSTRUMENTATION	SPS 9	GEOP. MODE	1, 3, 4
FIELD FILTER	120/120 Hz Notch Out	COVERAGES	1200 2
RECORD LENGTH	3 sec	SAMPLE INTERVAL	2 ms
SPREAD TRANCE	1 - 40 SP 45 - 95		
DISTANCE	1225 - 50	50 - 1225 m	

DISPLAY PARAMETERS

TRACES/INCH	12	INCHES/SECOND	7.5
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PROCESSING PARAMETERS

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

2 AMPLITUDE RECOVERY - EXPONENTIAL CURVE

3 GEOMETRY - STRAIGHT LINE

4 DEPHASING - INSTRUMENT & GEOPHONE

5 DECONVOLUTION - SPIKING
OPERATOR 60 ms PREWHITENING 5.0 2
FILTER Distance Design Gate Appl. Gate
1 50 m 300 - 1500 0 - 2000 ms
2 1225 m 600 - 1700 0 - 2000 ms

6 RESIDUAL AMPLITUDE ANALYSIS and APPLICATION

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

8 TRACE GATHER

9 NORMAL MOVEOUT

10 STATICS - AUTOMATIC SURFACE CONSISTENT
Window 300 - 1500 ms

11 FIRST BREAK MUTES
Distance 275 1225 1450 m
Rate 320 800 1600 ms

12 STATICS - TRAIN
Correlation Window 400 - 1400 ms

13 STACK

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

15 AMPLITUDE EQUALIZATION - MEAN SCALE
Window 400 - 1400 ms

16 MIGRATION



