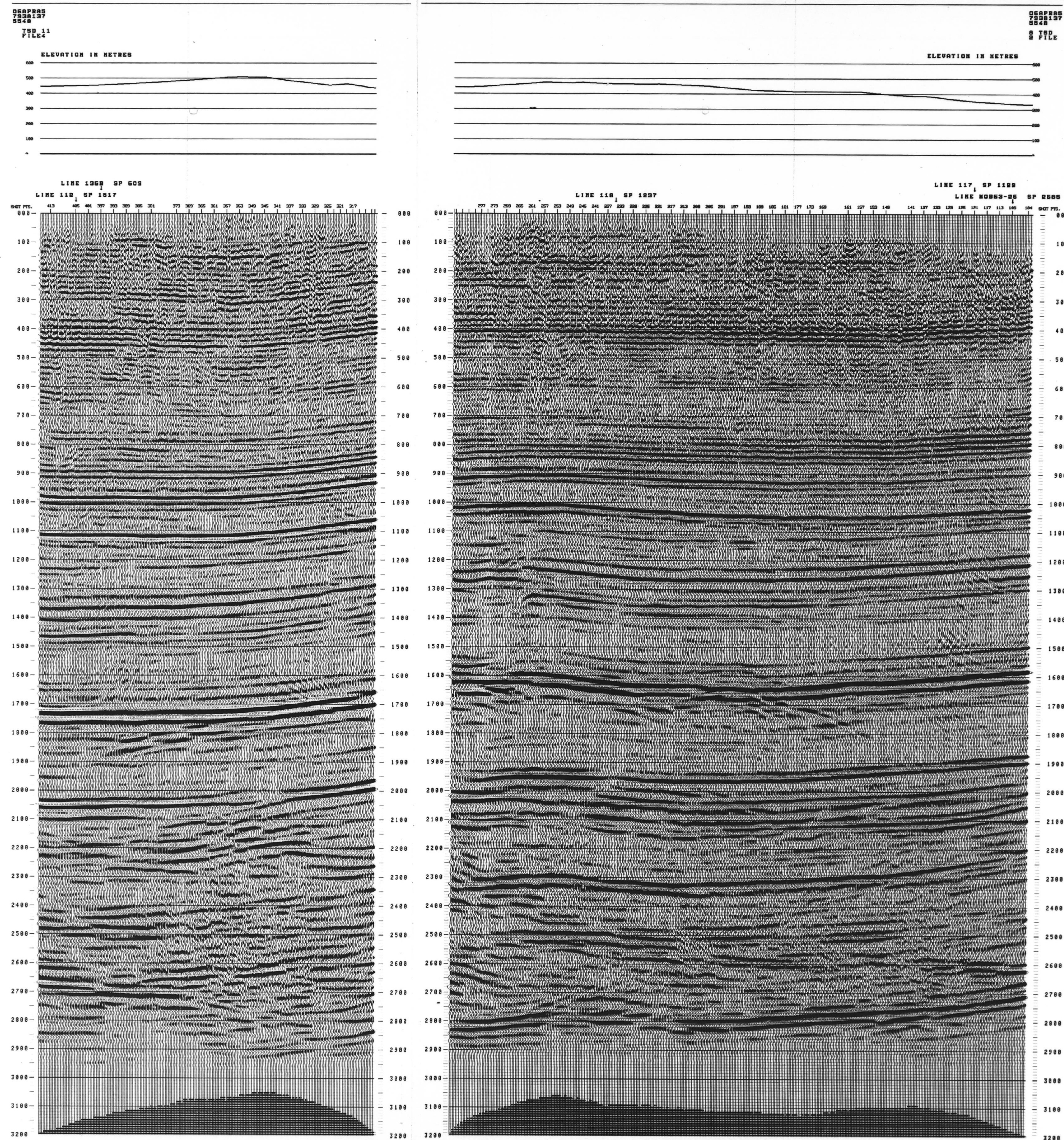




PETREL CONSULTANTS LTD.

PROCESSING DATE: FEB 1985

NSM RESOURCES LTD

AREA: LITTLE BEAR
LINE: 140
PROVINCE: N.W.T.

SOUTH 417 SHOT POINTS 101 NORTH

STRUCTURE SECTION

NORMAL POLARITY

ACQUISITION PARAMETERS

SHOT BY: WESTERN GEOPHYSICAL LTD
DATE: DEC. 1984
SPREAD: STATION INTERVAL 33.5 M
SHOT PT. INTERVAL 134 M
SPREAD (TR) 42 45 96
DIST.(M) 1608 M 33.5 X 33.5 1608 M
SOURCE: DYNAHYTE
1 X 2 KG AT 14 M
RECEIVERS: LRS L-1011 14 HZ, 9 OVER 33.5M
INSTRUMENTS: DFE W 86 TRACE
GAIN 800
CIN MODE: OFF
SFC CORR: SEC
FIELD FILTER: 0 - 120 HZ

PROCESSING PARAMETERS

1. DEMULTIPLYX SAMPLE RATE 2 NS.
RECORD LENGTH 3 SEC.
2. TRACE GATHER
3. AMPLITUDE RECOVERY
EXPONENTIAL
4. DECONVOLUTION TYPE: DECONV. SPOKING
SPECKLE DENOISING: 0 - 0.2
OPERATOR LENGTH: 800 - 2200 NS
APPLICATION LENGTH: 64 NS
APPLICATION TIME: 0 - 3 SEC.
5. VELOCITY ANALYSIS
6. NORMAL MOVEOUT
7. STRUCTURAL CORRECTIONS
ELEVATION: WEATHERING, DRIFT
DATA: ELEVATION: 300 M
DATA: VELOCITY: 3048 M/SEC.
8. STATICS
SURFACE CONSISTENT RESIDUAL
NORM: 200 NS
MAXIMUM ALLOWED SHIFT: +/- 20 NS.
MAXIMUM INPUT INCLUDED: 1608 M
9. FIRST BREAK MUTING
DISTANCE(S) 570 805 1600 3264
TIME(S) 540 800 1300 2200
10. STACK 1200 %
11. T-V FILTER 28/26 - 78/85 0 - 1050 NS
16/25 - 65/75 1270 - 3000 NS.
12. EQUALIZATION MEAN WINDOW 800 - 2200 NS.
13. HAVE EQUATION MIGRATION
90% OF RMS VELOCITIES

DISPLAY PARAMETERS

VERTICAL PLOTTING SCALE: 7.5 INCHES/SEC.
HORIZONTAL PLOTTING SCALE: 24 TRACES/INCH