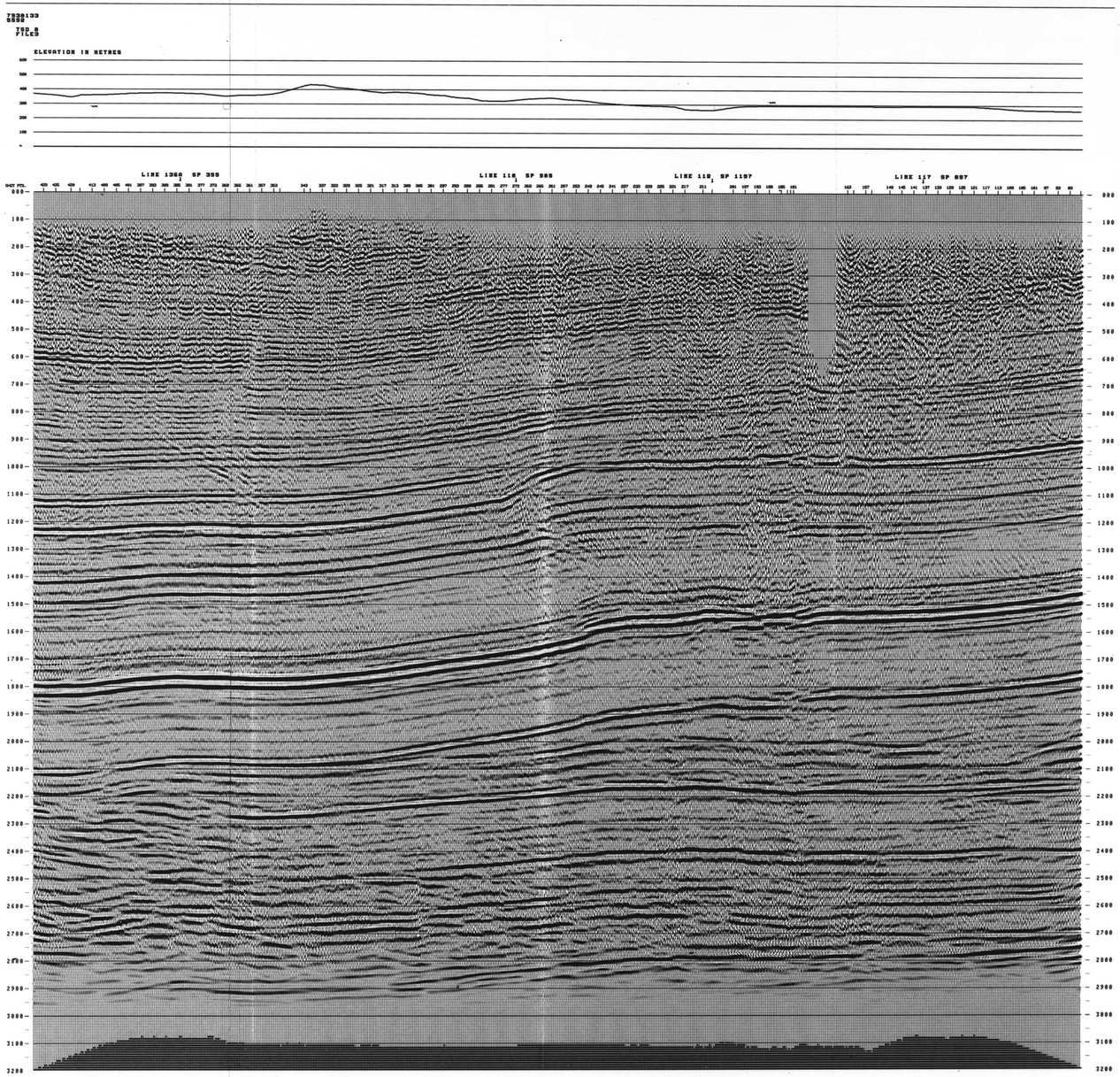

PETREL CONSULTANTS LTD.

PROCESSING DATE: FEB 1985

NSM RESOURCES LTD

AREA: LITTLE BEAR
LINE: 138
PROVINCE: N.W.T.
SOUTH 433 SHOT POINTS 85 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)	1	48	49	96
DIST.(M)	1608 M	33.5 x 33.5		1608 M

SOURCE: DYNAMITE
1 X 2 KG AT 14 M

RECEIVERS: LRS L-1011 14 HZ, 9 OVER 33.5M

INSTRUMENTS: DFS V 96 TRACE
NOTCH: OUT
GAIN MODE: IFP
TAPE FORMAT: SEG8
FIELD FILTER: 8 - 128 HZ

PROCESSING PARAMETERS

1. DEMULTIPLEX SAMPLE RATE 2 MS.
RECORD LENGTH 3 SEC.
2. TRACE GATHER
3. AMPLITUDE RECOVERY
EXPONENTIAL
4. DECONVOLUTION TYPE: SPIKING
PRE-WHITENING: 4 % E
DESIGN WINDOW: 880 - 2200 MS.
OPERATOR LENGTH: 64 MS.
APPLICATION WINDOW: 0 - 3 SEC.
5. VELOCITY ANALYSIS
6. NORMAL MOVEOUT
7. STRUCTURAL CORRECTIONS
ELEVATION, WEATHERING, DRIFT
DATUM ELEVATION: 500 M
DATUM VELOCITY: 3040 M/SEC.
8. STATICS SURFACE CONSISTENT RESIDUAL
WINDOW: 500 - 2000 MS.
MAXIMUM ALLOWED SHIFT: +/- 20 MS.
MAXIMUM OFFSET INCLUDED: 1608 M
9. FIRST BREAK MUTING

DISTANCE(M)	276	885	1608	3264
TIME(MS.)	540	880	1380	2200

10. STACK 1200 %
11. T-V FILTER 20/26 - 70/85 0 - 1050 MS.
16/23 - 65/75 1275 - 3000 MS.
12. EQUALIZATION MEAN WINDOW 880 - 2200 MS.
13. WAVE EQUATION MIGRATION
90% OF RMS VELOCITIES

DISPLAY PARAMETERS

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

9229-N9-6E

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Ottawa, Ont.
Canada K1G 3P5
Tel: (613) 731-9571
Telex: 053-3502
Cable: TERRA

PROJ. NO. 9229-N9-6E

LINE NO. 138

PART NO. 1 OF 1

R.R. 10X