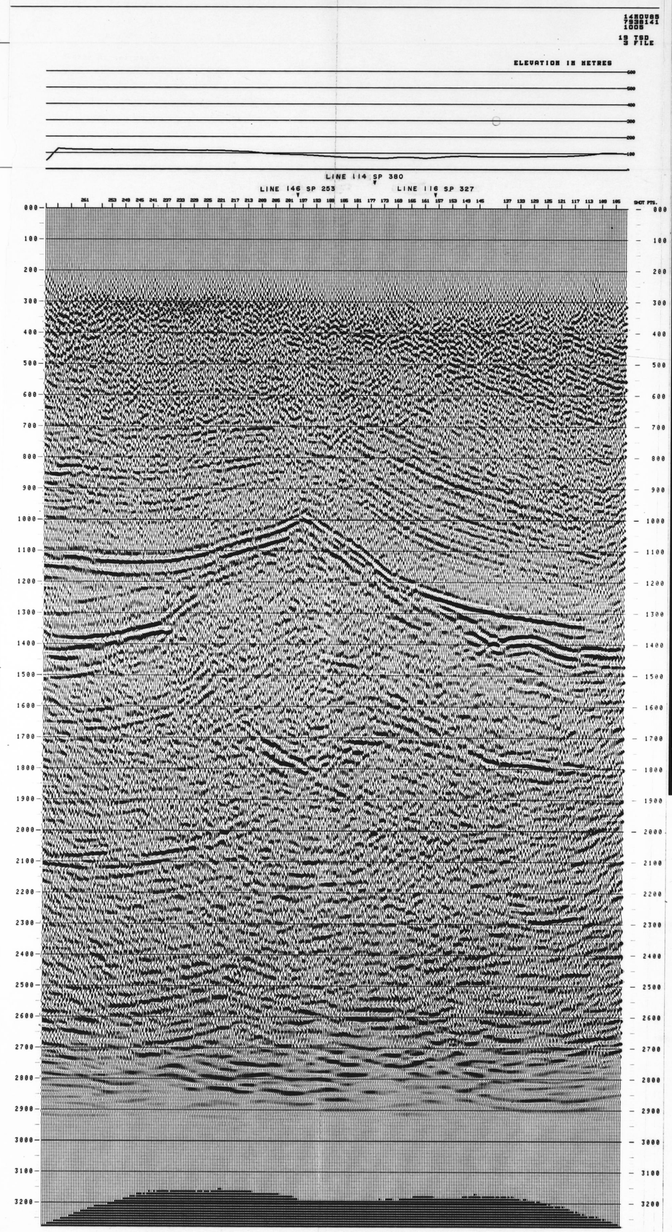

PETREL SEISMIC PROCESSORS LTD

PROCESSING DATE: MAY 1985

NSM RESOURCES LTD

AREA: LITTLE BEAR
LINE: 143A
PROVINCE: N.W.T.
WEST 273 SHOT POINTS 101 EAST

STRUCTURE SECTION

NORMAL POLARITY

ACQUISITION PARAMETERS

SHOT BY: WESTERN GEOPHYSICAL LTD

DATE: MAR-APR 1985

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: SEGB
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: 4.0 %
DESIGN WINDOW: 800 - 2200 MS.
OPERATOR LENGTH: 72 MS.
APPLICATION WINDOW: 0 - 3 SEC.

5. VELOCITY ANALYSIS

6. NORMAL MOVEOUT

7. STRUCTURAL CORRECTIONS
ELEVATION, WEATHERING, DRIFT
DATUM ELEVATION: 500 M
DATUM VELOCITY: 3048 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

TIME(MS.)	540	800	1300	2200
DISTANCE(M)	270	805	1608	3264

10. STACK — 1200 %

11. T-V FILTER — 20/26 - 78/85 0 - 1850 MS.
16/23 - 65/75 1270 - 3000 MS.

12. EQUALIZATION — MEAN WINDOW 800 - 2200 MS.

13. WAVE EQUATION MIGRATION
98% OF RMS VELOCITIES

DISPLAY PARAMETERS

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

9229-N9-6E

terra
2080 Walkley Rd.
Ottawa, Ont.
Canada K1G 3P7
Tel (613) 731-9571
Telex: 053-3602 Cable: TERRA
PROJ. NO. 9229-N9-6E
LINE NO. 143A
PART NO. 1 OF 1
R.R. 10