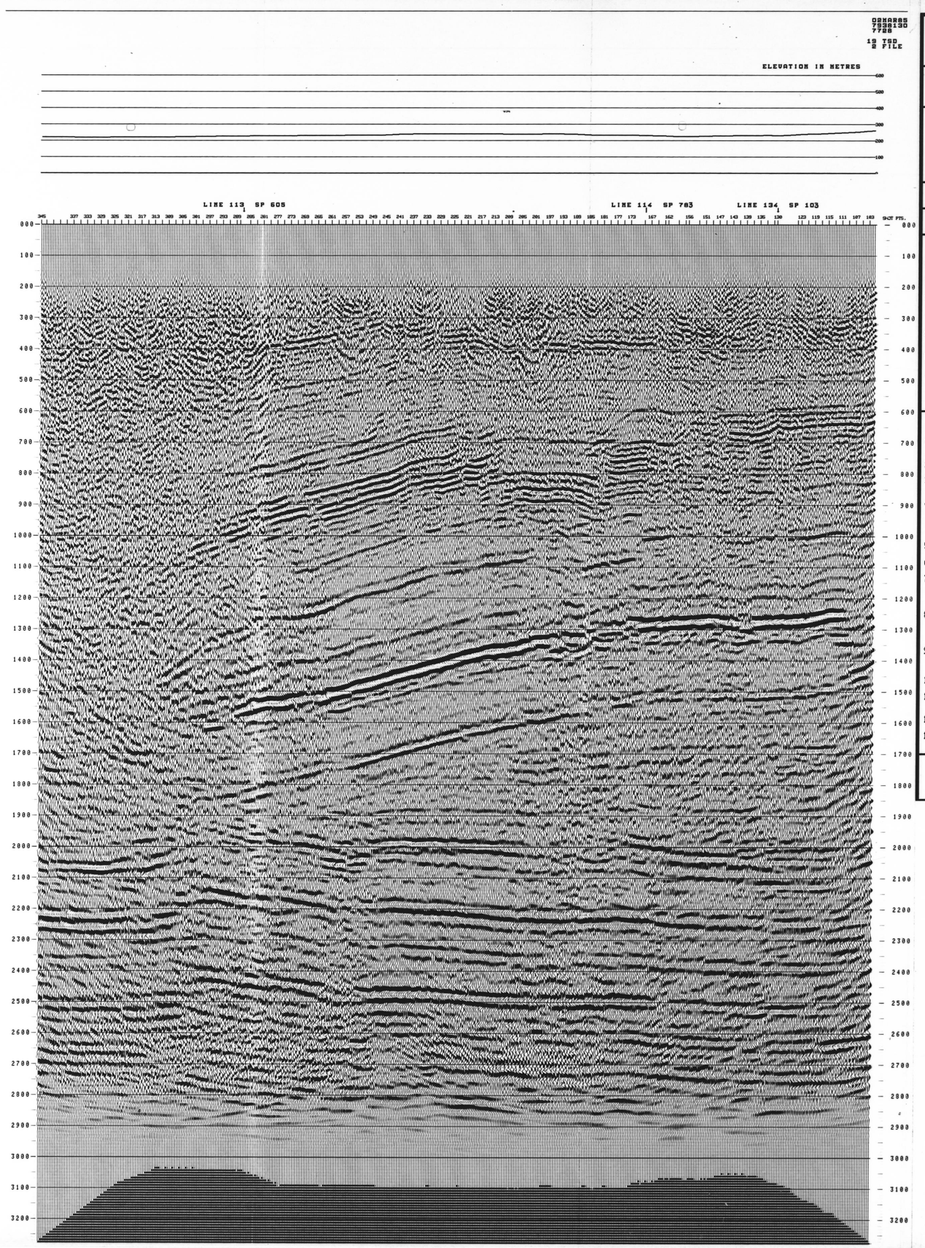

PETREL CONSULTANTS LTD.

PROCESSING DATE: FEB 1985

NSM RESOURCES LTD

AREA: LITTLE BEAR
LINE: 131
PROVINCE: N.W.T.
NW 347 SHOT POINTS 101 SE

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 36 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: 1 0 %
DESIGN WINDOW: 800 - 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: 590 M
DATUM VELOCITY: 3048 M/SEC.
8. STATICS SURFACE CONSISTENT RESIDUAL
WINDOW: 500 - 2800 MS.
MAXIMUM ALLOWED SHIFT: +/- 20 MS.
MAXIMUM OFFSET INCLUDED: 1600 M
9. FIRST BREAK MUTING
DISTANCE(M) 270 805 1608 3264
TIME(MS.) 540 800 1300 2200
10. STACK 1200 %
11. T-V FILTER 20/26 - 70/85 0 - 1050 MS.
16/23 - 65/75 1270 - 3000 MS.
12. EQUALIZATION MEAN WINDOW 800 - 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

Terra Geophysics Inc.
2060 Walkley Rd.
Ottawa, Ont.
Canada K1G 3P5
Tel: (613) 731-6571
Telex: 053-3602 Cable: TERRA

PROJ. NO. 9 2 9 - N 9 - 6 E
LINE NO. 1 3 1
PART NO. 1 OF 1
R.R. 10