

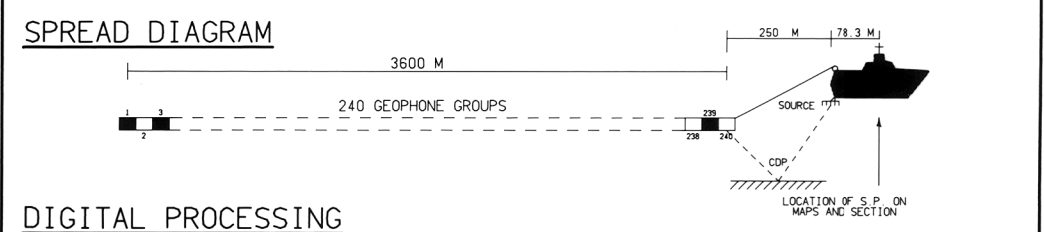
LINE 3  
S.P. 102 TO 902

INSTITUTE OF SEDIMENTARY & PETROLEUM GEOLOGY  
BEAUFORT LITHOPROBE 1987

0 DEGREES DIRECTION SHOT  
FINAL STACK

**FIELD DATA**

VESSEL: M/V GSI EXPLORER  
SHOT BY: GEFPHOTO LTD  
NAVIGATION SYSTEM: PRIMARY SYSTEM - GPS  
DATE SHOT: AUGUST - OCTOBER 1987  
RECORDING FORMAT: SEISMIC REFLECTION  
RECORDING DENSITY: 240 CHANNEL TRACE SEQUENTIAL RECORDER  
SAMPLE PERIOD: 4 MS  
RECORD LENGTH: 20 S  
GAIN CONTROL MODE: 12P  
RECORDING FILTERS: LOW CUT 8 HZ @ 18 DB/OCTAVE  
TAPE POLARITY: HIGH CUT 84 HZ @ 12 DB/OCTAVE  
SEISMIC SOURCE: NORMAL  
AVERAGE SOURCE DEPTH: AIRGUN ARRAY  
CABLE LENGTH/AVG DEPTH: (2000 P.S. 1) / 51.2 MS DELAY  
NUMBER OF GROUPS: 12.5 METRES  
GEOPHONE TYPE: 3600 METRES/12.5 METRES  
GEOPHONES PER GROUP: 240  
NORMAL GROUP INTERVAL: T 1 ACCELERATION CANCELLING  
SHOTPOINT INTERVAL: 15 METRES  
MULTIPLICITY: 60 METRES  
AVERAGE NEAR GROUP OFFSET: 30 FOLD  
FATHOMETER: 250 METRES  
SIMRAD /1480 M/SEC /DRAFT CORRECTED



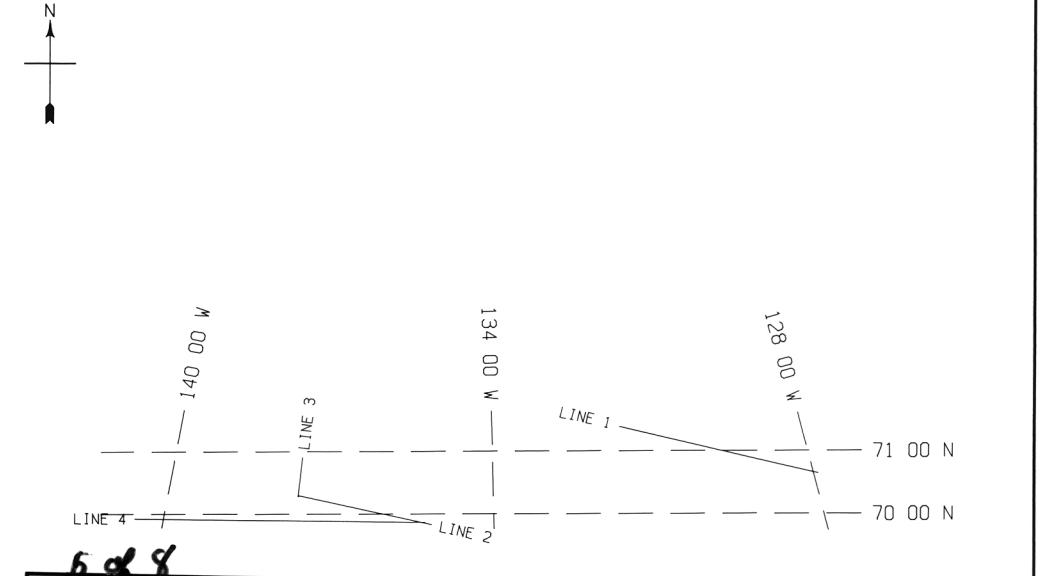
**DIGITAL PROCESSING**

DEMUTIPLEX: PROCESSED TO 15976 MS  
DECIMATED MIX: TRACES MIXED 2 ON 1 EVENLY WEIGHTED  
PDC DECONVOLUTION MUTE: MUTEING OF FIRST BREAK ENERGY  
TRUE AMPLITUDE RECOVERY: EXPONENTIAL GAIN RECOVERY 6 DB/SEC. 0 - 3000 MS  
VELOCITY FILTER (COMMON SHOT): SPHERICAL DIVERGENCE APPLIED  
DESIGNATURE (COMMON SHOT): MAX FREQ = 120 HZ/DIP ZONE = 12 TO -6 MS/TR  
VELOCITY FILTER (COMMON RECEIVER): STANDARD MODE  
DECONVOLUTION: MAX FREQ = 120 HZ/DIP ZONE = 24 TO -12 MS/TR  
EQUALIZATION: 1 X 2W2 GAP = 2W DATUM = WATER BOTTOM  
VELOCITY ANALYSIS: 14000 MS DESIGN GATES  
FUNCTIONS: VELOCITIES FOR NEAR SURFACE STACKING  
VERIFIED BY SCIENTIFIC AUTHORITY  
STREAMER/SHOT: SEE STACK SECTION HEADER FOR VELOCITIES USED  
COMMON DEPTH POINT STACK: 30 FOLD/TYPE = DIVERSITY POWER  
DECONVOLUTION: 1 X 2W1  
AUTO CORR START/END TIMES = -30/12750 MS  
TIME/SPACE VARIANT FILTER: DATUM = WATER BOTTOM  
FREQUENCIES (CHZ) TIME (MS) DATUM = SURFACE  
4. 8/40.50 0  
4. 8/25.45 3500  
4. 8/20.30 9000  
6.10/20.30 13000  
TYPE/START TIME = SORTTYS/-30 MS  
DATE LENGTH = 200 MS  
DATUM = WATER BOTTOM  
TIME/SPACE VARIANT SCALING: TYPE/START TIME = FLATTVS/-30 MS  
DATE LENGTH = 500,750,1000,1500,2000,10000 MS  
DATUM = WATER BOTTOM  
RUNNING MIX: 5  
DECIMATION: EVERY THIRD TRACE DISPLAYED

**DISPLAY**

HORIZONTAL SCALE: 22 200 TR/CM 22 222 TR/KM  
VERTICAL SCALE: 2.60 CM/SEC  
POLARITY: NORMAL  
TRACE TYPE: BIAS  
DATUM: SEA LEVEL  
DISPLAY UNIT: 0.457571 CM

DISPLAY GAIN: 2000



OPEN FILE  
DOSSIER PUBLIC  
2106  
GEOLOGICAL SURVEY  
COMMISSION GÉOLOGIQUE  
OTTAWA

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Geological Survey of Canada / Commission géologique du Canada  
CANADIAN BEAUFORT LITHOPROBE  
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PARTY 999

