

LINE 1A
S.P. 292 TO 1595

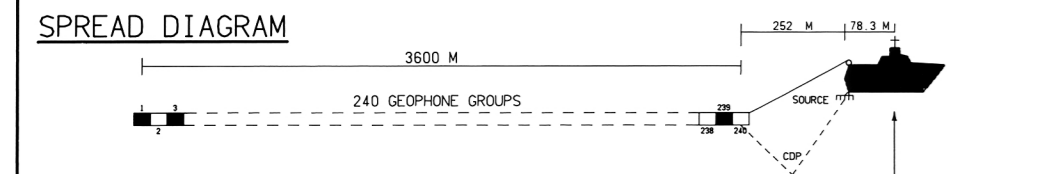
INSTITUTE OF SEDIMENTARY & PETROLEUM GEOLOGY
BEAUFORT LITHOPROBE 1987



FINAL STACK

FIELD DATA

VESSEL: W/V 051 EXPLORER
SHOT BY: GEOPHYSICAL SERVICE
NAVIGATION SYSTEM: PRIMARY SYSTEM - OPS
DATE SHOT: AUGUST - OCTOBER 1987
DATA TYPE: SEISMIC REFLECTION
RECORDING FORMAT: 240 CHANNEL TRACE SEGMENTAL RECORDER
RECORDING DENSITY: 8250 B.P. 1
SAMPLE PERIOD: 4 MS
RECORD LENGTH: 20 S
GAIN CONTROL MODE: 1PP
RECORDING FILTERS: LOW CUT 8 HZ @ 18 DB/OCTAVE
TAPE POLARITY: HIGH CUT 64 HZ @ 12 DB/OCTAVE
SEISMIC SOURCE: NORMAL
AVERAGE SOURCE DEPTH: 12000 M @ 51.2 MS DELAY
CABLE LENGTH/AVG DEPTH: 12.5 METRES
NUMBER OF GROUPS: 240
GEOPHONE TYPE: T
GEOPHONES PER GROUP: 1
NORMAL GROUP INTERVAL: 15 METRES
SHOTPOINT INTERVAL: 60 METRES
MULTIPLICITY: 30 FOLDS
AVERAGE NEAR GROUP OFFSET: 250 METRES
PATHOMETER: 51MRAD/1480 M/SEC /DRAFT CORRECTED



DIGITAL PROCESSING

DEMULTIPLEXED
DECIMATED MIX
PRE DECONVOLUTION MUTE
TRACE AMPLITUDE RECOVERY
VELOCITY FILTER (COMMON SHOT)
VELOCITY FILTER (COMMON RECEIVER)
DECONVOLUTION
EQUALIZATION
VELOCITY ANALYSIS
STATISTICS
NORMAL MOVEMENT CORRECTIONS
COMMON DEPTH POINT STACK
DECONVOLUTION
TIME/SPACE VARIANT FILTER
TIME/SPACE VARIANT SEALING
TIME/SPACE VARIANT SCALING
RUNNING MIX
DECIMATION

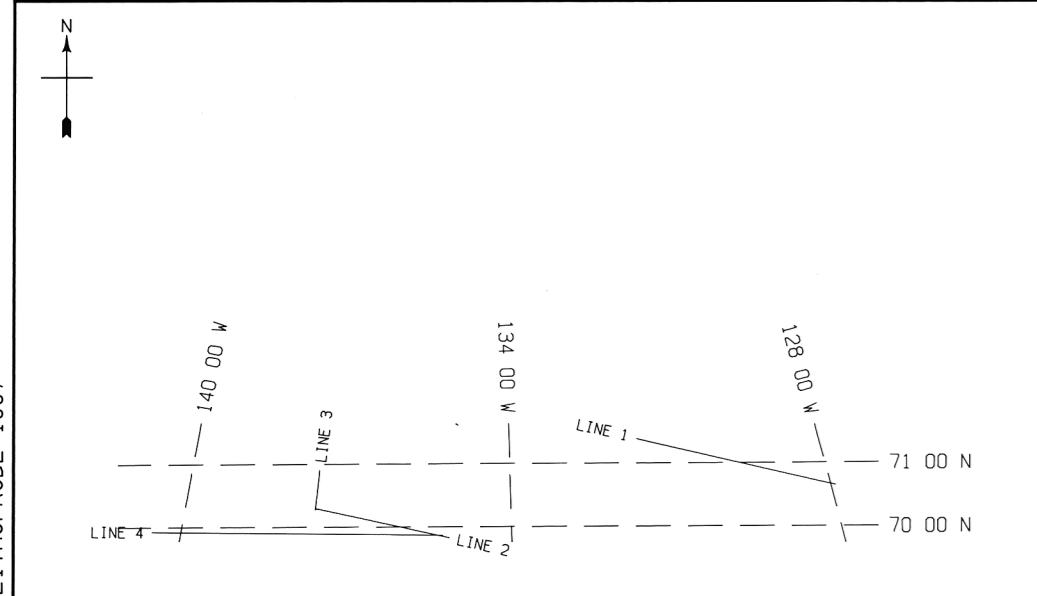
PROCESSED TO 19876 MS
TRACES MIXED 2 ON 4 EVENLY WEIGHTED
MUTING OF FIRST BREAK ENERGY
EXPONENTIAL GAIN RECOVERY @ 0.09/SEC. 0 - 3000 MS
SPHERICAL DIVERGENCE APPLIED
MAX FREQ = 120 HZ/DIP ZONE + 12 TO -6 MS/TR
STANDARD MODE
1 X 2ND GAP = 76 DATUM = WATER BOTTOM
14800 MS DESIGN GATES
VELOCAN EVERY 3 KM FOR NEAR SURFACE STACKING
FUNCTIONS, VELOCITIES FOR DEEPER SECTION
VERIFIED BY SCIENTIFIC AUTHORITY
STRANDED SHOT
SEE STACK SECTION HEADER FOR VELOCITIES USED
30 FOLDS/TIME = DIVERSITY POWER
1 X 750 MS = GAP 48
AUTO CORR START/END TIMES = -30/4250 MS
DATUM = WATER BOTTOM
FREQUENCIES (NO. TIME (MS) DATUM + SURFACE
4: 8/35 30 3500
4: 8/35 35 3500
6: 10/20 30 10000
TYPE/START TIME = 0.0175V/-30 MS
DATE LENGTH = 200 MS
DATUM = WATER BOTTOM
TYPE/START TIME = FLATTVS/-30 MS
DATE LENGTH = 500 750 1000 1500 2000 2000 10000 MS
DATUM = WATER BOTTOM
EVERY THIRD TRACE DISPLAYED

DISPLAY

HORIZONTAL SCALE: 22 200 TR/CM 22 222 TR/CM
VERTICAL SCALE: 2.50 CM/SEC
POLARITY: NORMAL
TRACE TYPE, BEAS: WTVAR, 0 PERCENT
DATUM: SEA LEVEL
DISPLAY UNIT: 0.457571 CM

DISPLAY GAIN

| LINE | GAIN | LINE |
|--------|------|--------|
| LINE 1 | 40.5 | LINE 2 |
| LINE 3 | 40.5 | LINE 4 |



OPEN FILE
DOSSIER PUBLIC
2106 (2 of 8)
GEOLOGICAL SURVEY
COMMISSION GÉOLOGIQUE
OTTAWA

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CANADIAN BEAUFORT LITHOPROBE

04 APR 1988
05:41:48

PARTY 999

GEOPHYSICAL SERVICE INCORPORATED

PROCESSING CHECKED BY: [Signature]

