

LINE 4A
S.P. 2561 TO 3488

INSTITUTE OF SEDIMENTARY & PETROLEUM GEOLOGY
BEAUFORT LITHOPROBE 1987

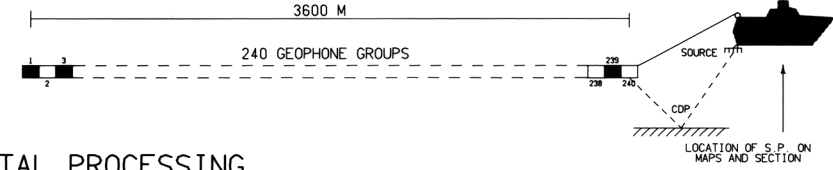
88 DEGREES DIRECTION SHOT

FINAL STACK

FIELD DATA

VESSEL: M/V GS1 EXPLORER
SHOT BY: GEOPHOTO LTD.
NAVIGATION SYSTEM: PRIMARY SYSTEM - GPS
SECONDARY SYSTEM - ARGO
DATE SHOT: AUGUST 10 OCTOBER 1987
DATA TYPE: SEISMIC REFLECTION
RECORDING FORMAT: 240 CHANNEL TRACE SEQUENTIAL RECORDER
RECORDING DENSITY: 8250 B P I
SAMPLE PERIOD: 4 MS
RECORD LENGTH: 20 S
GAIN CONTROL MODE: 1FP
RECORDING FILTERS: LOW CUT 8 HZ @ 18 DB/OCTAVE
HIGH CUT 64 HZ @ 72 DB/OCTAVE
TAP POLARITY: NORMAL
SEISMIC SOURCE: AIRGUN ARRAY
AVERAGE SOURCE DEPTH: 2000 P.S.I. / 51.2 MS DELAY
CABLE LENGTH/AVG DEPTH: 12.5 METRES
NUMBER OF GROUPS: 240
GEOPHONE TYPE: T-1 ACCELERATION CANCELLING
GEOPHONES PER GROUP: 40
NORMAL GROUP INTERVAL: 15 METRES
SHOTPOINT INTERVAL: 60 METRES
MULTIPLICITY: 30 FOLD
AVERAGE NEAR GROUP OFFSET: 250 METRES
PATHOMETER: 31MRAD / 1480 M/SEC / DRAFT CORRECTED

SPREAD DIAGRAM



DIGITAL PROCESSING

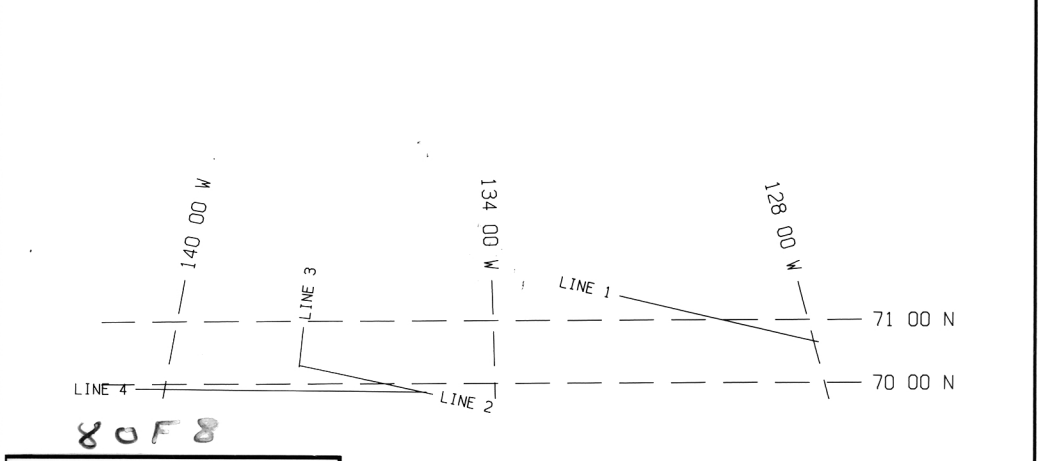
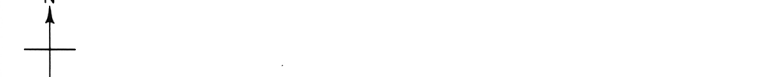
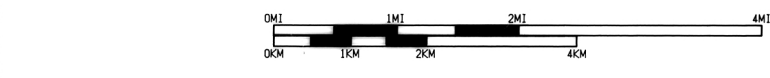
DEMULTIPLIX
DECIMATED MIX
PRE DECONVOLUTION MUTE
TRUE AMPLITUDE RECOVERY
VELOCITY FILTER (COMMON SHOT)
VELOCITY FILTER (COMMON RECEIVER)
DECONVOLUTION
EQUALIZATION
VELOCITY ANALYSIS
STATICS
NORMAL MOVEOUT CORRECTIONS
COMMON DEPTH POINT STACK
DECONVOLUTION
TIME/SPACE VARIANT FILTER
TIME/SPACE VARIANT SCALING
TIME/SPACE VARIANT SCALING
RUNNING MIX
DECIMATION

PROCESSED TO 15976 MS
TRACES MIXED 2 ON 1 EVENLY WEIGHTED
MUTING OF FIRST BREAK ENERGY
EXPONENTIAL GAIN RECOVERY 6 DB/SEC 0 - 3000 MS
SPHERICAL DIVERGENCE APPLIED
MAX FREQ = 120 HZ/DIP ZONE = 12 TO -6 MS/TR
STANDARD MODE
MAX FREQ = 120 HZ/DIP ZONE = 24 TO -12 MS/TR
1 X 2M2 GAP = 2M DATUM = WATER BOTTOM
14000 MS DESIGN GATES
VELSCAN EVERY 3 KM FOR NEAR SURFACE STACKING
FUNCTIONS VELOCITIES FOR DEEPER SECTION
VERIFIED BY SCIENTIFIC AUTHORITY
STREAMER/SHOT
SEE STACK SECTION HEADER FOR VELOCITIES USED
30 FOLD/TIME = DIVERSITY POWER
1 X 750 MS GAP = 48
AUTO CORR START/END TIMES = -30/8250 MS
DATUM = WATER BOTTOM
FREQUENCIES (HZ) TIME (MS) DATUM = SURFACE
4: 8/40 50
4: 8/35 45 3500
4: 8/20 30 8000
6: 10/20 30 13000
TYPE/START TIME = SORTTYS/-30 MS
GATE LENGTH = 200 MS
DATUM = WATER BOTTOM
TYPE/START TIME = FLATTYS/-30 MS
GATE LENGTH = 500 750 1000 1500 2000 2000 10000 MS
DATUM = WATER BOTTOM
5 = 1 EVENLY WEIGHTED
EVERY THIRD TRACE DISPLAYED

DISPLAY

HORIZONTAL SCALE: 22 200 TR/CM 22 222 TR/KM
VERTICAL SCALE: 2 50 CM/SEC
POLARITY: NORMAL
TRACE TYPE, BIAS: WTVAR 0 PERCENT
DATUM: SEA LEVEL
DISPLAY UNIT: 0 457571 CM

DISPLAY GAIN	
AMP	TIME
27.2	51.3
805	2250



OPEN FILE
DOSSIER PUBLIC
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GEOLOGICAL SURVEY
COMMISSION GEOLOGIQUE
OTTAWA

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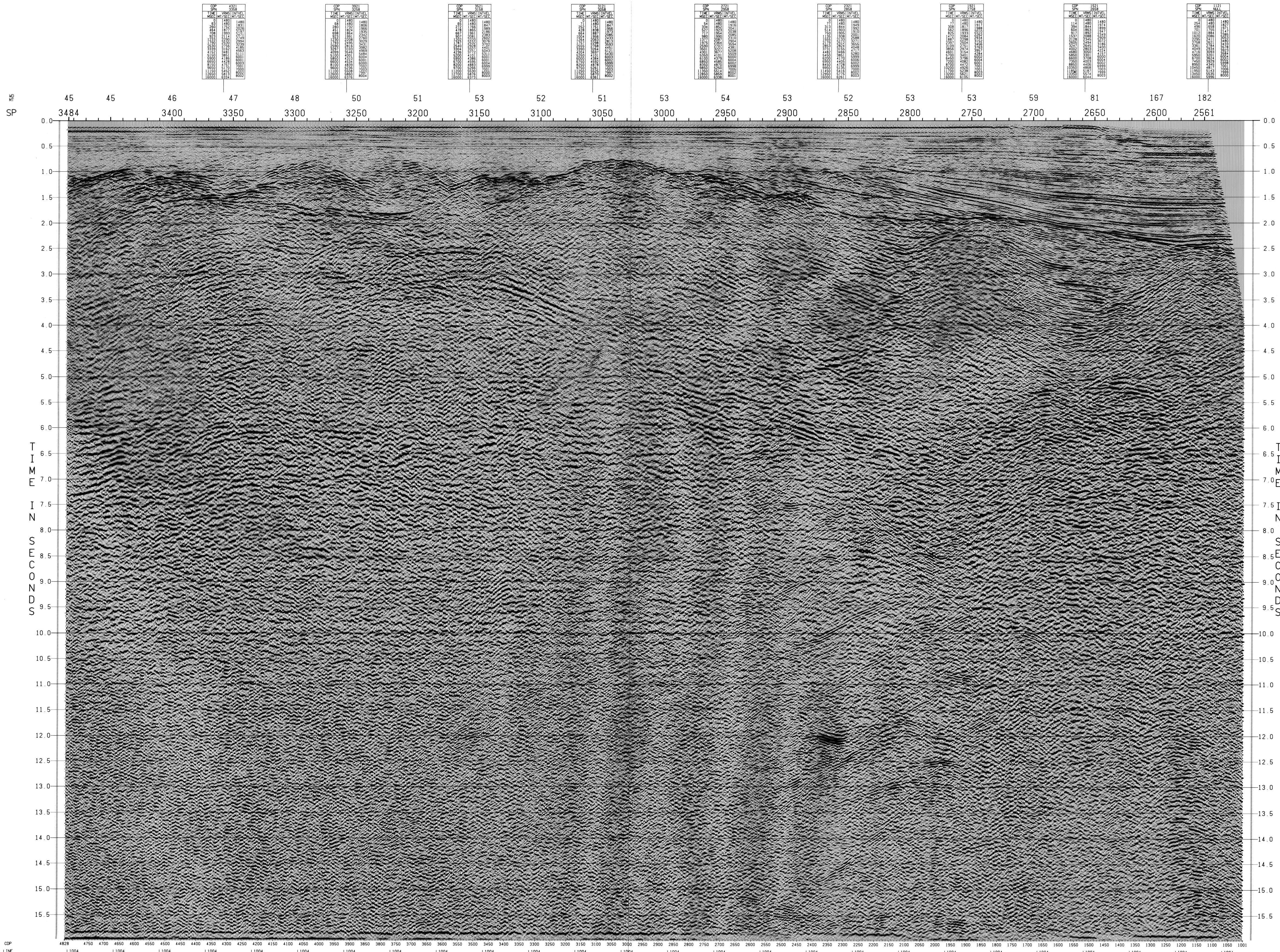
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CANADIAN BEAUFORT LITHOPROBE

05 APR 1988 12 44 33 PARTY 999

GEOPHYSICAL SERVICE INCORPORATED

PROCESSING CHECKED BY: [Signature]



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