LINE 4

S.P. 101 TO 2561

INSTITUTE OF SEDIMENTARY & PETROLEUM GEOLOGY

BEAUFORT LITHOPROBE 1987

91 DEGREES — DIRECTION SHOT

FINAL STACK

FIELD DATA

AREA: Mid-Canada
NAVIGATION SYSTEM: Satellite
DIFFERENTIAL GPS
SEISMOGRAPH: GSI-DFS V
DATE: OCTOBER 1987
SHOT INTERVAL: 50 m
GROUP INTERVAL: 50 m
SAMPLE RATE: 4 ms
RECORD LENGTH: 10 s
RECORDING FILTER: Low cut 8 Hz @ 36 dB/oct
High cut 64 Hz @ 72 dB/octave
CABLE: Notch out
NUMBER OF TRACES: 120
FORMAT: SEG-B
GAIN: 12 dB fixed
SOURCE: Vibroseis
SOURCE TYPE: 3 x 45, 60-240 Hz
SOURCE INTERVAL: 50 METRES
SOURCE ARRAY: 3 x 45 METRES
SWEEP: 12 s
CORRELATION: CROSS-CORRELATION
GEOPHONE: 10 Hz
GEOPHONE INTERVAL: 50 METRES
NOMINAL FOLD: 30
MAXIMUM FOLD: 30
REFERENCE DATUM: 0 METRES
STATIC CORRECTIONS: REFRACTION STATICS (DRAFT CORRECTED)

SPREAD DIAGRAM

DIGITAL PROCESSING

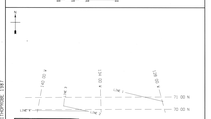
DEMULTIPLE: PROCESSED TO 10/01 MS
TIME VARIANT FILTER: 10/15-20/25 HZ (LINEARLY INTERPOLATED)
TIME VARIANT DECONVOLUTION: APPLIED TO 2000 MS
OPERATOR LENGTH: 160 MILLISECONDS
OPERATOR: 1 MILLISECOND
VELOCITY ANALYSIS (COMMON DEPTH POINT): 1 KM/S TO 6 KM/S AT 0.1 KM/S
VELOCITY FILTER: 1 KM/S TO 6 KM/S AT 0.1 KM/S
VELOCITY FILTER (COMMON RECEIVER): 1 KM/S TO 6 KM/S AT 0.1 KM/S
DECONVOLUTION: APPLIED TO 2000 MS
DECONVOLUTION GATE: 1000 MS
OPERATOR LENGTH: 160 MILLISECONDS
STATICS: REFRACTION STATICS (DRAFT CORRECTED)
RESIDUAL STATICS: CORRECTIONS DERIVED FOR SELECTED USED
MUTE: 0 TO 1000 MS LINEAR MUTE
0 TO 1000 MS LINEAR MUTE
DATA TIME SCANNING (TAPE): 1/64/3072 MS
TIME-SPACE VARIANT FILTER: PROCESSING SEQUENCE: TIME VRS SECTION + SURFACE
A: 8/16/32 DIP
B: 8/16/32 DIP
C: 8/16/32 DIP
TIME-SPACE VARIANT SCALING: DATA SCALED TO 1000/1200/1100 MS
TIME-SPACE VARIANT FILTER: DATA FILTERED: 1000/1200/1100 MS
TIME-SPACE VARIANT SCALING: DATA SCALED TO 1000/1200/1100 MS
RUNNING MIX: 1 SPATIAL MIXTURE
FINAL MIX: 1 TIME VARIANT MIXTURE
DISPLAY: VARIABLE DENSITY

DISPLAY

VERTICAL SCALE: 27.5MS FROM 27.5CM FROM
HORIZONTAL SCALE: 1 KM/INCH
FOLD AT TRACE: NOMINAL
POLARITY, BIAS: NORMAL, 0 PERCENT
DISPLAY: STACKED

DISPLAY GAIN

	DB	AGC
TOP	0	500
BOTTOM	0	500



OPEN FILE
DOSSIER PUBLIC
2105
GEOLOGICAL SURVEY
COMMISSION GEOLOGIQUE

This map has been reprinted from a scanned version of the original map. Reproduction par numérisation d'une carte sur papier

OTTAWA

Energy, Mines and Resources Canada
Énergie, Mines et Ressources Canada

Commission géologique du Canada
Geological Survey of Canada

CANADIAN BEAUFORT LITHOPROBE

PARTY 305

GEOPHYSICAL SERVICE INCORPORATED

PROCESSING CHECKED BY:

SP 2561 2500 2450 2400 2350 2300 2250 2200 2150 2100 2050 2000 1950 1900 1850 1800 1750 1700 1650 1600 1550 1500 1450 1400 1350 1300 1250 1200 1150 1100 1050 1000 950 900 850 800 750 700 650 600 550 500 450 400 350 300 250 200 150 101 SP

TIME IN SECONDS 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5 14.0 14.5 15.0 15.5

CDP LINE 1980 1950 1900 1850 1800 1750 1700 1650 1600 1550 1500 1450 1400 1350 1300 1250 1200 1150 1100 1050 1000 950 900 850 800 750 700 650 600 550 500 450 400 350 300 250 200 150 100

FINAL STACK

LINE 4 S.P. 101 TO 2561

INSTITUTE OF SEDIMENTARY & PETROLEUM GEOLOGY BEAUFORT LITHOPROBE 1987

03APR88 13:30:50 VSN 018062 GFOSTK@ACCCCC040 PMX4728C 0008 FRAME 002 OF 002

03APR88 14:10:53 VSN 018062 GFOSTK@4BBBBB054 PMX4728C 0008 FRAME 002 OF 007

03APR88 03:11:19 SN 003395 GFOSTK@AAAAA054 PMX4728C 0008 FRAME 002 OF 002