

LINE 1
S.P. 101 TO 197

INSTITUTE OF SEDIMENTARY & PETROLEUM
GEOLOGY
BEAUFORT LITHOPROBE 1987

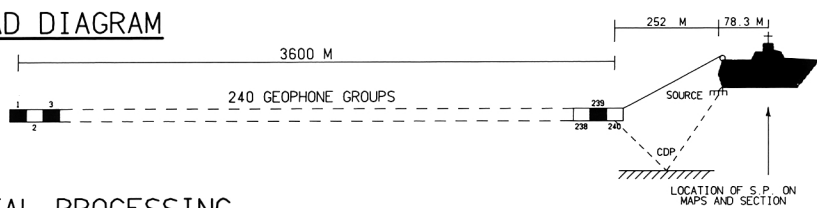
127 DEGREES DIRECTION SHOT

FINAL STACK

FIELD DATA

VESSEL : M/V GSI EXPLORER
SHOT BY : GEOPHOTO LTD.
NAVIGATION SYSTEM : PRIMARY SYSTEM - GPS
SECONDARY SYSTEM - ARGO
DATE SHOT : AUGUST - OCTOBER 1987
DATA TYPE : SEISMIC REFLECTION
RECORDING FORMAT : 240 CHANNEL TRACE SEQUENTIAL RECORDER
RECORDING DENSITY : 6250 B.P.I.
SAMPLE PERIOD : 4 MS.
RECORD LENGTH : 20 S.
GAIN CONTROL MODE : IFP
RECORDING FILTERS : LOW CUT 8 HZ @ 18 DB/OCTAVE
HIGH CUT 64 HZ @ 72 DB/OCTAVE
TAPE POLARITY : NORMAL
SEISMIC SOURCE : AIRGUN ARRAY
(2000 P.S.I. / 51.2 MS DELAY)
AVERAGE SOURCE DEPTH : 12.5 METRES
CABLE LENGTH/AVG DEPTH : 3600 METRES/12.5 METRES
NUMBER OF GROUPS : 240
GEOPHONE TYPE : T.I. ACCELERATION CANCELLING
GEOPHONES PER GROUP : 40
NORMAL GROUP INTERVAL : 15 METRES
SHOTPOINT INTERVAL : 60 METRES
MULTIPLICITY : 30 FOLD
AVERAGE NEAR GROUP OFFSET : 250 METERS
FATHOMETER : SIMRAD /1480 M/SEC /DRAFT CORRECTED

SPREAD DIAGRAM



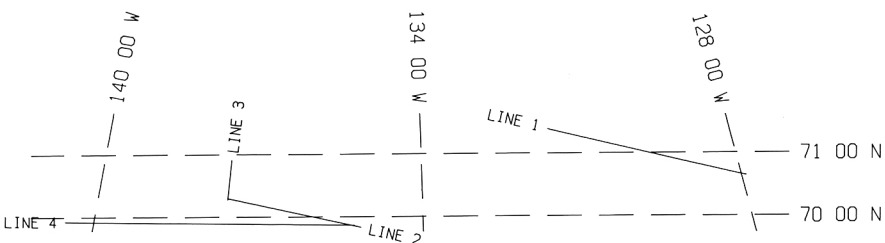
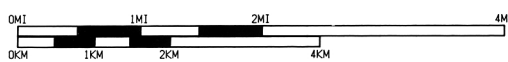
DIGITAL PROCESSING

DEMULTIPLIX : PROCESSED TO 15976 MS
DECIMATED MIX : TRACES MIXED 2 ON 1 EVENLY WEIGHTED
PRE DECONVOLUTION MUTE : MUTING OF FIRST BREAK ENERGY
TRUE AMPLITUDE RECOVERY : EXPONENTIAL GAIN RECOVERY 6 DB/SEC. 0 - 3000 MS
SPHERICAL DIVERGENCE APPLIED
VELOCITY FILTER (COMMON SHOT) : MAX FREQ = 120 HZ/DIP ZONE = 12 TO -6 MS/TR
DESIGNATURE (COMMON SHOT) : STANDARD MODE
VELOCITY FILTER (COMMON RECEIVER) : MAX FREQ = 120 HZ/DIP ZONE = 24 TO -12 MS/TR
DECONVOLUTION : 1 X ZW2 GAP = ZW DATUM = WATER BOTTOM
EQUALIZATION : 14000 MS DESIGN GATES
VELOCITY ANALYSIS : VELSCAN EVERY 3 KM FOR NEAR SURFACE STACKING
FUNCTIONS VELOCITIES FOR DEEPER SECTION
VERIFIED BY SCIENTIFIC AUTHORITY
STATICS : STREAMER/SHOT
NORMAL MOVEOUT CORRECTIONS : SEE STACK SECTION HEADER FOR VELOCITIES USED
COMMON DEPTH POINT STACK : 30 FOLD/TYPE = DIVERSITY POWER
DECONVOLUTION : 1 X 750 MS, GAP = 48
AUTO CORR START/END TIMES = -30/8250 MS
DATUM = WATER BOTTOM
TIME/SPACE VARIANT FILTER : FREQUENCIES (HZ) TIME (MS) DATUM = SURFACE
4. 8/40.50 0
4. 8/35.45 3500
4. 8/20.30 9000
6.10/20.30 13000
TIME/SPACE VARIANT SCALING : TYPE/START TIME = SORTTVS/-30 MS
GATE LENGTH = 200 MS
DATUM = WATER BOTTOM
TIME/SPACE VARIANT SCALING : TYPE/START TIME = FLATTVS/-30 MS
GATE LENGTH = 500.750.1000.1500.2000.10000 MS
DATUM = WATER BOTTOM
RUNNING MIX : 5 : 1 : EVENLY WEIGHTED
DECIMATION : 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		
INPUT DB	GAIN DB	TIME MSEC
55.4	-79.5	2250



OPEN FILE
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2106(10F8)
GEOLOGICAL SURVEY
COMMISSION GÉOLOGIQUE
OTTAWA

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Energy, Mines and Resources Canada Énergie, Mines et Ressources Canada Geological Survey of Canada
Commission géologique du Canada

CANADIAN BEAUFORT LITHOPROBE

01 APR 1988
03:10:25



PARTY 999

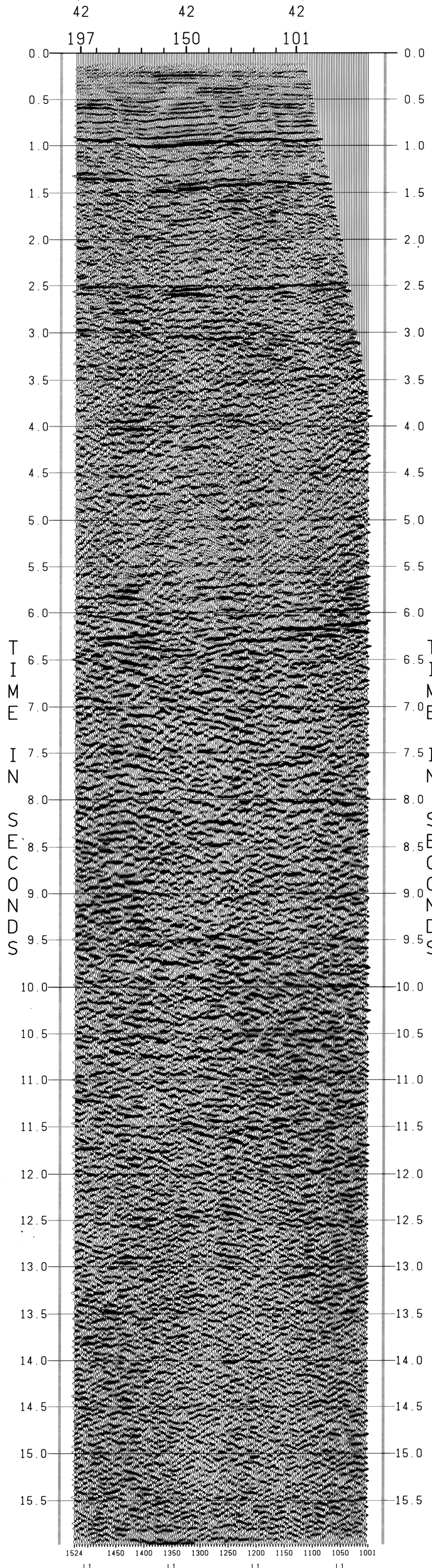
GEOPHYSICAL SERVICE INCORPORATED

PROCESSING CHECKED BY

CDP SPN	1521	1521
TIME MSEC	VRMSI MT/SEC	INTVEL MT/SEC
0	1480	1480
57	1480	1480
195	1752	1480
396	1777	1792
592	1770	1756
734	1856	2392
824	1875	2172
1179	2318	4066
1268	2657	5271
1920	4008	6295
2528	4458	5648
3747	5288	6540
4800	5651	7002
5800	5505	6982
6800	6079	7002
7800	6205	7002
8800	6611	8000
11800	6887	8004
18000	7182	8001

CDP SPN	1121	1121
TIME MSEC	VRMSI MT/SEC	INTVEL MT/SEC
0	1480	1480
53	1480	1384
211	1870	2024
345	1931	1801
491	1893	1888
662	1843	2384
912	2005	3612
1111	2374	4507
1372	2903	5510
1728	3829	6510
2540	4649	5858
3677	5110	6094
4700	5581	7000
5700	5839	7000
6700	6027	7000
7700	6182	7000
8700	6593	8000
11700	6847	8005
18000	7175	8000

WD MT
SP



WD MT
SP

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