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

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FIGURE 3b

LINE FPG89-2
S.P. 101 TO 1789

I.S.P.G. 1989
BEAUFORT SEA

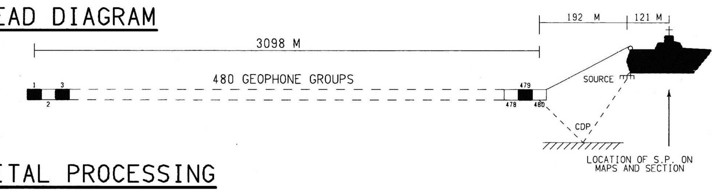
149 DEGREES → DIRECTION SHOT →

MIGRATION

FIELD DATA

VESSEL	: M/V E.O. VETTER
SHOT BY	: PARTY NO. 2972
DATE SHOT	: SEPTEMBER 1989
DATA TYPE	: SEISMIC REFLECTION
RECORDING SYSTEM	: FCS (TITAN 1000)
RECORDING FORMAT / DENSITY	: SEG D - GROUP CODED / 6250 B.P.I.
SAMPLE PERIOD / RECORD LENGTH	: 4 MS / 16.0 S
GAIN CONTROL MODE	: IFP
GAIN CONSTANT / FINAL GAIN	: 12 / 84 DB
RECORDING FILTERS	: LOW CUT 8 HZ @ 18 DB/OCTAVE HIGH CUT 64 HZ @ 72 DB/OCTAVE
TAPE POLARITY	: INCREASE IN PRESSURE ON HYDROPHONE PRODUCES A NEGATIVE NUMBER ON TAPE AND A DOWNWARD DEFLECTION ON THE FIELD TAPE MONITOR.
SEISMIC SOURCE	: TUNED AIRGUN ARRAY - 4 STRINGS (1900-2000 PSI) 7200 CU IN / 51.2 MS. DELAY)
AVERAGE SOURCE DEPTH	: 12 M
CABLE LENGTH (CENTRE TO CENTRE)	: 3248 M
NUMBER OF GROUPS	: 480
HYDROPHONE TYPE	: D-2B DISH TYPE
HYDROPHONES PER GROUP / SPACING	: 16 / 0.4 M
SHOTPOINT INTERVAL / GROUP INTERVAL	: 50 M / 6.25 M
MULTIPLICITY	: 30 FOLD
NAVIGATION SYSTEM	: PRIMARY SYSTEM - SYLEDIS SECONDARY SYSTEM - ARGO

SPREAD DIAGRAM



DIGITAL PROCESSING

DEMULTIPLEX	: PROCESSED TO 16.0 S
ADJACENT TRACE SMASH	: 4 : 1
PRE DECONVOLUTION MUTE	: MUTING OF FIRST BREAK ENERGY
TRUE AMPLITUDE RECOVERY	: 6 DB/S APPLIED FROM 0 TO 3.0
VELOCITY FILTER (SHOT DOMAIN)	: MAX. FREQ. = 81.25 HZ / DIP ZONE = 8 TO -6 MS/TR
DESIGNATURE	: STD
VELOCITY FILTER (RECEIVER DOMAIN)	: MAX. FREQ. = 81.25 HZ / DIP ZONE = 8 TO -6 MS/TR PLUS SPHERICAL DIVERGENCE CORRECTION
VELOCITY ANALYSIS (30 FOLD)	: ANALYSIS AT 2.0 KM INTERVALS FOR STACK
NORMAL MOVEOUT CORRECTIONS	: SEE STACK SECTION HEADER FOR VELOCITIES
COMMON DEPTH POINT STACK	: TYPE/FOLD = STRAIGHT / 30 FOLD
MIGRATION	: FKMIG -- 50 DEGREES
TIME/SPACE VARIANT FILTER	: FREQUENCIES (HZ) 0, 8/16,24 ; KNEETIME (MS) 0 WATER BOTTOM REFERENCED
TIME/SPACE VARIANT SCALING	: TYPE/START TIME = FLATTVS/-10 MS GATE LENGTH = 500 MS DATUM - WATER BOTTOM
DISPLAY SCALE	: EVERY 4TH TRACE PLOTTED

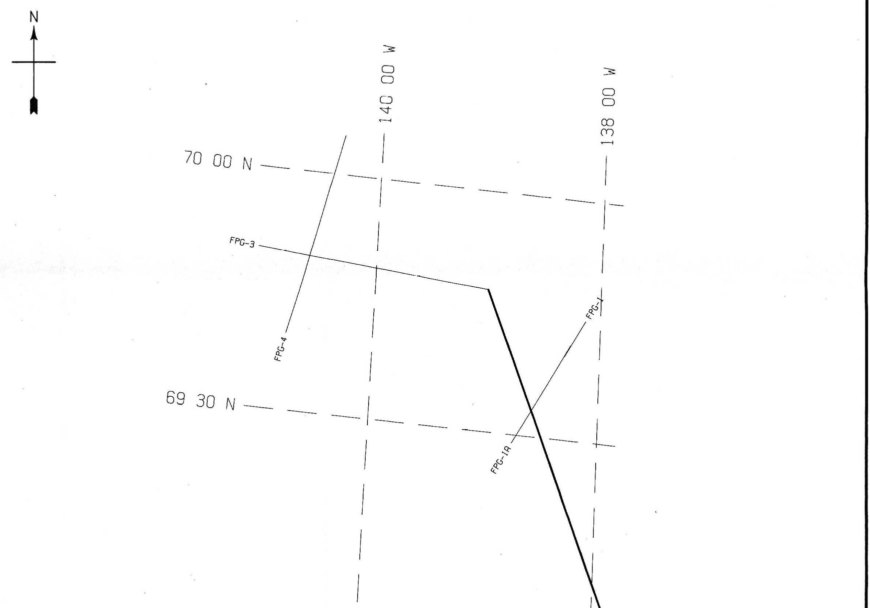
DISPLAY

HORIZONTAL SCALE	- 20.000 TR/CM 20.000 TR/KM
VERTICAL SCALE	- 2.50 CM/SEC
POLARITY	- NORMAL
TRACE TYPE, BIAS	- WTVAR, -30 PERCENT
DATUM	- SEA LEVEL
DISPLAY UNIT	- 0.677332 CM

DISPLAY GAIN
AVGABS

CDP	4437	
INPUT DB	GAIN DB	TIME MSEC
58.3	-84.9	5250

0MI 2MI 4MI 8MI
0KM 2KM 4KM 8KM

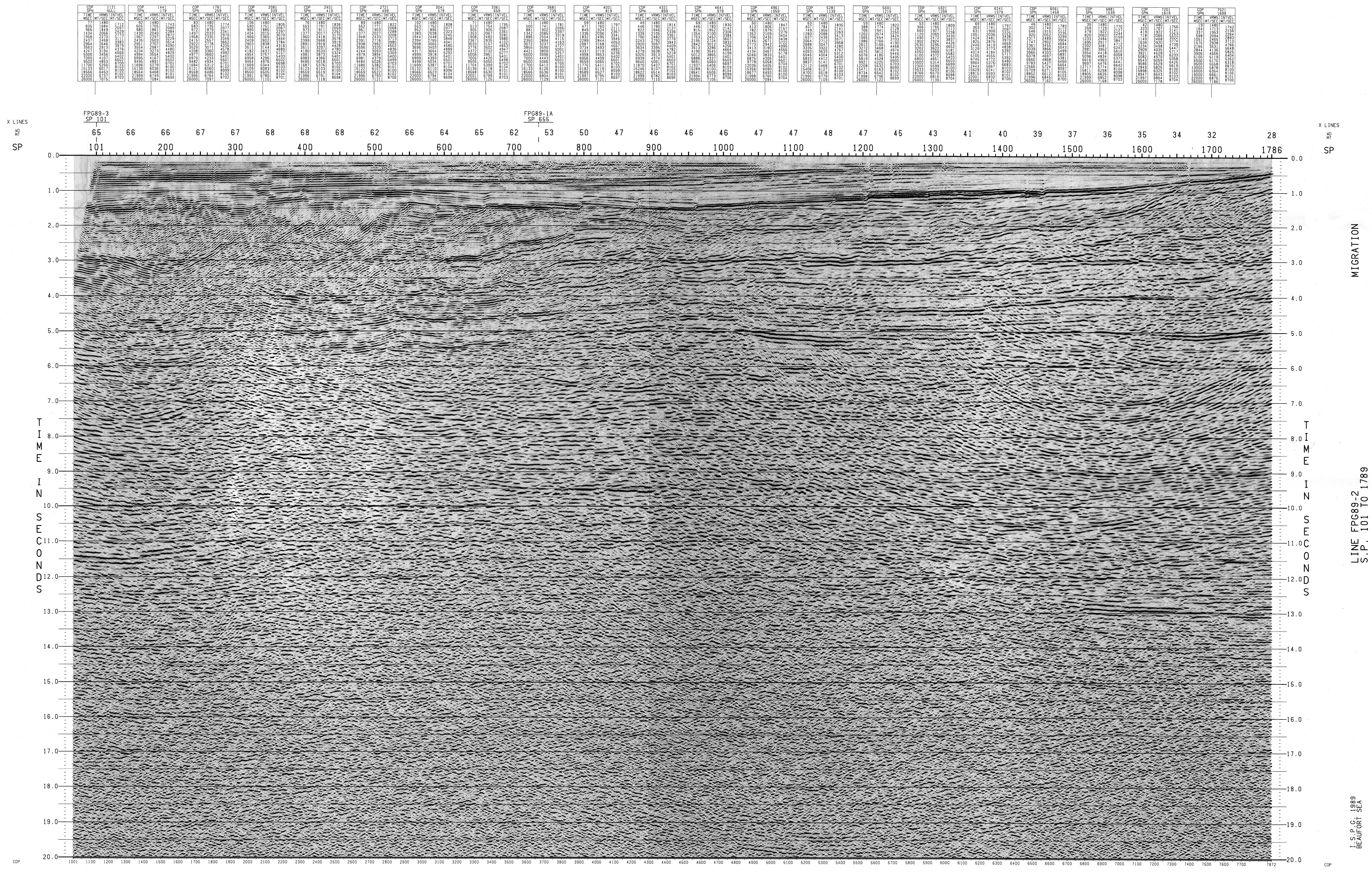


OPEN FILE
DOSSIER PUBLIC
2396
GEOLOGICAL SURVEY
COMMISSION GÉOLOGIQUE
OTTAWA

BEAUFORT SEA 1989

05 MAY 1990
14:29:12

6402/130352

HGS
HALLIBURTON GEOPHYSICAL SERVICES, INC.

PROCESSING CHECKED BY - ....