OPEN FILE
DOSSIER PUBLIC
2396
GEOLOGICAL SURVEY
COMMISSION GÉOLOGIQUE
OTTAWA

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

FIGURE 5d

LINE FPG89-4
S.P. 101 TO 1104

I.S.P.G. 1989
BEAUFORT SEA

15 DEGREES — DIRECTION 60-60°

FINAL STACK

FIELD DATA

VESSEL	: M/V C. G. HETTER
DATE RAN	: AUGUST, 1989
DATE SAID	: SEPTEMBER, 1989
DATA TYPE	: SEISMIC REFLECTION
RECORDING SYSTEM	: GSI S-COMMUNICOS
RECORDING FORMAT / DENSITY	: SEG B / 6250 BPI
SAMPLE PERIOD / RECORD LENGTH	: 4 MS / 20.5 S
DATA CONDITION	: RAW
DATA CONDITION AT FINAL DATA RECORDING FILTERS	: 12 - 64 DB LOW CUT : 8 HZ X 18 DB/OCTAVE HIGH CUT : 64 HZ X 18 DB/OCTAVE
TAPE POLARITY	: INCREASE IN PRESSURE TO HYDROPHONE PRODUCES NEGATIVE NUMBERS ON TAPE (SEG STANDARD)
SEISMIC SOURCE	: DEFLECTION ON THE FIELD TAPE MONITOR : 1 FLIP 2 GI GUNS (1985 AIR 1500 CU IN / 0.1 X 45 MS. DELAY)
AVERAGE SOURCE DEPTH	: 12 M
SOURCE DEPTH (CENTRE TO CENTRE)	: 25 M
NUMBER OF SHOTS	: 492
HYDROPHONE TYPE	: 0.3M DIGI-TYPE
HYDROPHONE GROUP / SPACING	: 12 X 25 M
SHOTPOINT INTERVAL / GROUP INTERVAL	: 50 M / 6.25 M
MULTIPLICITY	: 60
NAVIGATION SYSTEM	: RT-HNP SYSTEM, SYLCOTS SECONDARY SYSTEM : MRSS

SPREAD DIAGRAM

DIGITAL PROCESSING

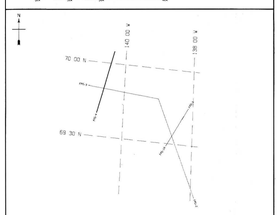
DEMULTIPLE	: PROCESSED TO 24 S
DESIGNATURE	:
PRE DECONVOLUTION MUTE	: MUTING OF FIRST BREAK ENERGY
DECONVOLUTION (TIME DOMAIN)	: GAP - PRED. : 8 MS, OPER. : 160 MS MAX. PRED. : 8 / 20 MS MAX. OPER. : 160 MS
VELOCITY FILTER (FREQUENCY DOMAIN)	: 6 DB/OCT. - 8 / 20 HZ / DIP ZONE / - 8 TO -6 MS/TR
VELOCITY ANALYSIS (3D FOLD)	: PLUS SPHERICAL DIVERGENCE CORRECTION ANALYSIS AT 2.0 KM INTERVALS FOR STACK
VELOCITY FILTER (RECEIVER DOMAIN)	: 6 DB/OCT. - 8 / 20 HZ / DIP ZONE / - 8 TO -6 MS/TR
COMMON DEPTH POINT STACK	: TYPE/FOLD : STANDARD / 60 FOLD
TIME/SPACE VARIANT FILTER	: FREQUENCIES VARY WITH TIME
TIME/SPACE VARIANT SCALING	: AGC 1000 MS WATER BOTTOM REFERENCED TYPE/START TIME : PLATFORM-10 MS
TIME/SPACE VARIANT SCALING	: DATUM : WATER BOTTOM TYPE/START TIME : DAMPEN
DISPLAY SCALE	: 2 SECONDS PER INCH EVERY 4TH TRACE PLOTTED

DISPLAY

HORIZONTAL SCALE : 20.000 TR/IN 20.000 TR/KM
VERTICAL SCALE : 5.000 IN/SEC
TRACE MIX : 1 TRACES
TRACE TYPE, BIAS : WIGGLE, 50 PERCENT
DISPLAY UNIT : 11.000000 IN
: 11.000000 KM

DISPLAY GAIN

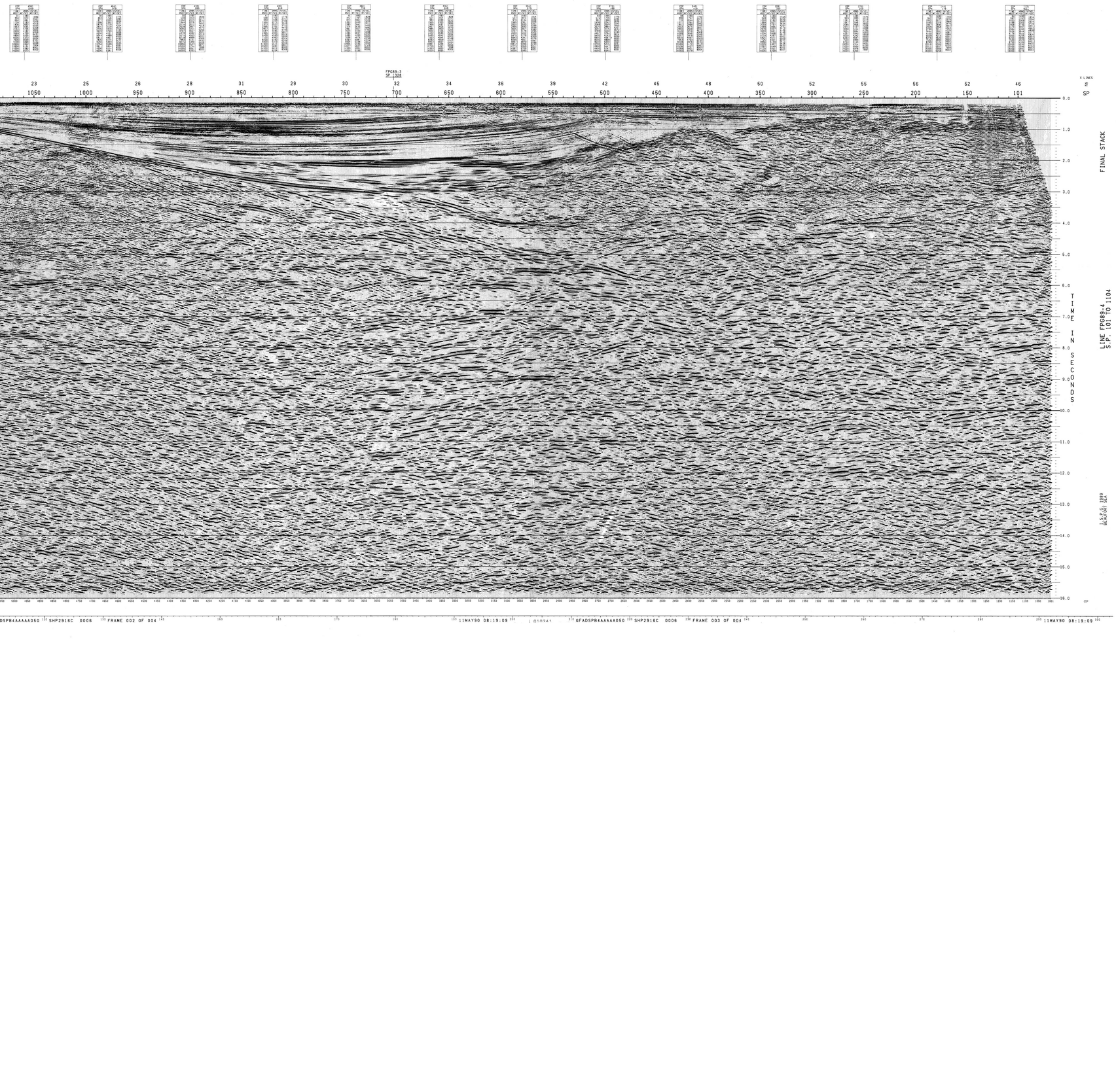
CDP	SHOT	REC
100	100	500



BEAUFORT SEA 1989

11 MAY 1990
08:18:17

6402/130352

HALLIBURTON GEOPHYSICAL SERVICES, INC.

PROCESSING CHECKED BY : _____