DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

Open-File Report 88-386

PLATE 7

GLIMPCE 1986

UNITED STATES GEOLOGICAL SURVEY

&

GEOLOGICAL SURVEY OF CANADA

LAKE HURON
LINE: I
FINAL STACK

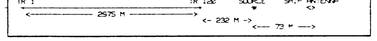
SOUTH

PROCESSED BY: U.S.G.S.
BRANCH OF PETROLEUM GEOLOGY
GEOPHYSICS GROUP

RECORDING PARAMETERS

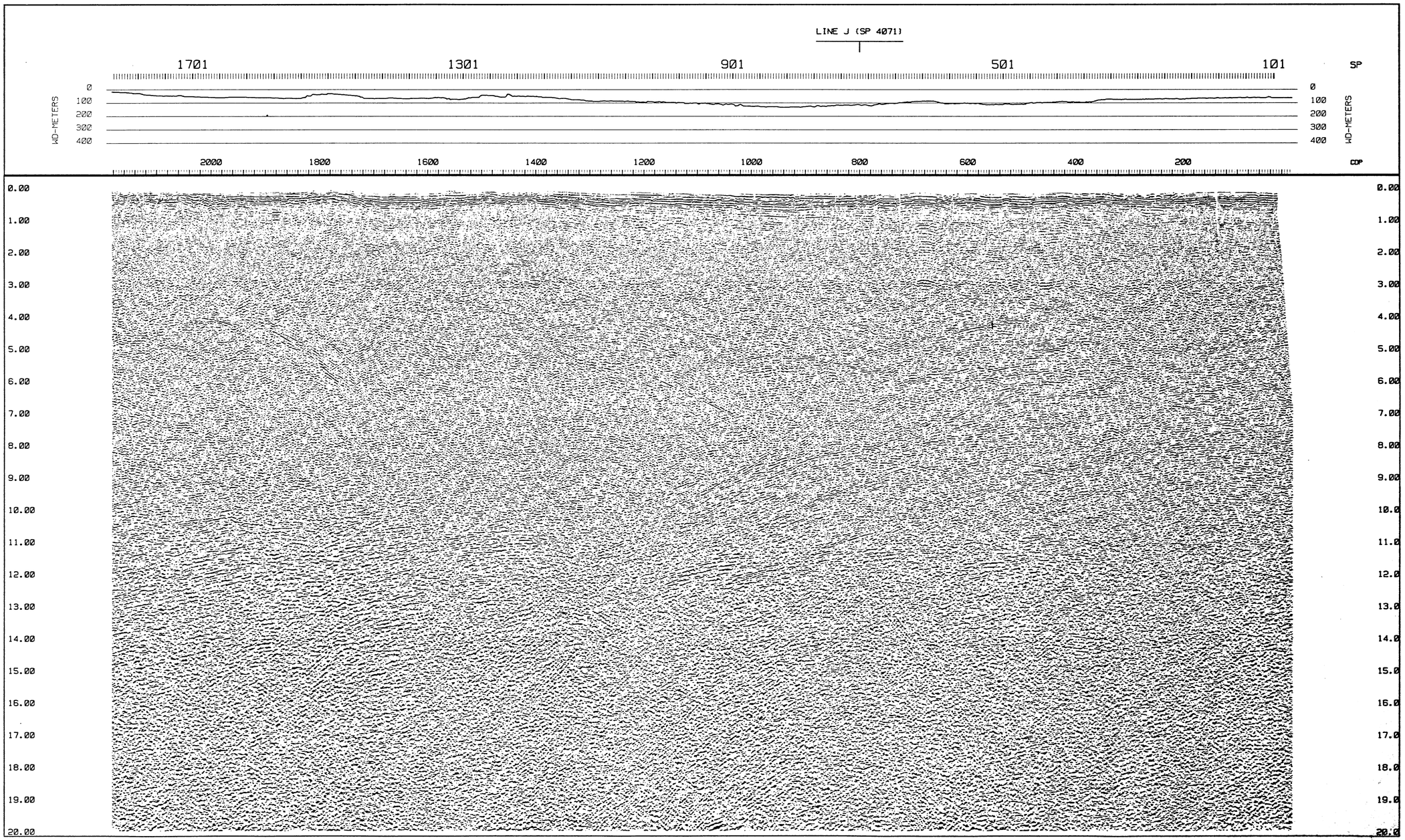
RECORDED BY:	G.S.I.	DATE RECORDED:	20/21-SEPT-1986
VESSEL:	CSS FRED J. RONICH	PROJECT #:	GLIMPCE
PRIMARY NAV.:	LORAN C	SECONDARY NAV.:	SHOOT-S
	RDP/SONAR/GYRO		HYDRO/RANGE
INSTRUMENT TYPE:	GPS	SAMPLE RATE:	4 MS
# OF GUN ARRAYS:	3 SLEEVE ARRAYS	GUN OPERATING DEPTH:	6.1 METERS
ARRAY WIDTH:	88 METERS	# OF GUNS:	SRC
TOT. GUN VOL.:	1760 CU. INCHES	TYPE GAIN:	SRC
TAPE FORMAT:	SEG-B (1600 BPI	FIRING DELAY:	150.0 MS
NO. OF CHANNELS:	120	SOURCE INTERVAL:	50.0 METERS
RECORD LENGTH:	20 SECONDS	TRACE INTERVAL:	25.0 METERS
RECORD FILTER:		CABLE TYPE:	LEAD-COLE
LOCUT:	5.3 HZ	POSITIONED:	DGPS/SHIP
SLOPE:	18 DB/OCTAVE	LINE STARTS AT:	SOUTH
HICUT:	64 HZ	NEAR TRACE #1	102
SLOPE:	72 DB/OCTAVE		
60 HZ NOTCH:	OUT	FOLD:	24

SPREAD CONFIGURATION:



PROCESSING SEQUENCE

1	DEMULTIPLEX
2	RECORDING GAIN REMOVAL
3	GEOMETRY DEFINITION
4	TRACE EDITING
5	RESAMPLE TO 8.0 MS
6	F-K FILTERING IN SHOT DOMAIN
	RANGE: 4 - 45 HZ
	FILTER LENGTH: 31 POINTS
	FILTER WIDTH: 13 TRACES
	MOVEOUT RANGE: +/- 5 MS/TRACE
7	CDP SORT 24 FOLD
8.18	AUTOMATIC GAIN CONTROL
	GATE LENGTH: 1022 MS
9,11	VELOCITY ANALYSIS
10	PRELIMINARY STACK
12	MULTIPLE SUPPRESSION IN CDP DOMAIN
	CORR. VEL.: 1702 M/S
	APP. GATE: 302 - 3222 MS
13	NORMAL MOVEOUT CORRECTION
14	FIRST BREAK NOISE SUPPRESSION (MUTE)
15	PRE-STACK DECONVOLUTION
	TYPE: SPIKING
	OPERATOR LENGTH: 59 POINTS
	TIME WINDOW: 0 - 4022
	TYPE: SPIKING
	OPERATOR LENGTH: 59 POINTS
	TIME WINDOW: 3002 - 12022
	TYPE: SPIKING
	OPERATOR LENGTH: 59 POINTS
	TIME WINDOW: 10022 - 22222
16	STACK 24 FOLD
17	BANDPASS FILTER
	TIME: BANDPASS:
	---- ----------
	0 - 2022 MS 4/8 - 32/36
	5002 - 8022 MS 4/8 - 28/32
	12022 - 22222 MS 3/6 - 25/32
19	POST-STACK DECONVOLUTION
	TYPE: 2ND ZERO CROSS.
	OPERATOR LENGTH: 59 POINTS
	TIME WINDOW: 0 - 5022
	TYPE: 2ND ZERO CROSS.
	OPERATOR LENGTH: 59 POINTS
	TIME WINDOW: 6022 - 22222
20	VERTICAL S/Y (4 TO 1)
21	AUTOMATIC GAIN CONTROL
	GATE LENGTH: 2502 MS
22	POST STACK AMPLITUDE MODULATION
	TWO-DIMENSIONAL SMOOTHING OVER
	3 TRACES HORIZONTALLY AND 3 SAMPLES
	VERTICALLY
23	DISPLAY
	TRACES PER INCH: 100
	VERTICAL SCALE: .6 INCHES / SEC
	DISPLAY DATE: APRIL 4, 1988



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