Open-File Report 88-396

PLATE 6

DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

GLIMPCE 1986

UNITED STATES GEOLOGICAL SURVEY

&

GEOLOGICAL SURVEY OF CANADA

LAKE MICHIGAN
LINE: H
FINAL STACK

SOUTHWEST

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

RECORDING PARAMETERS

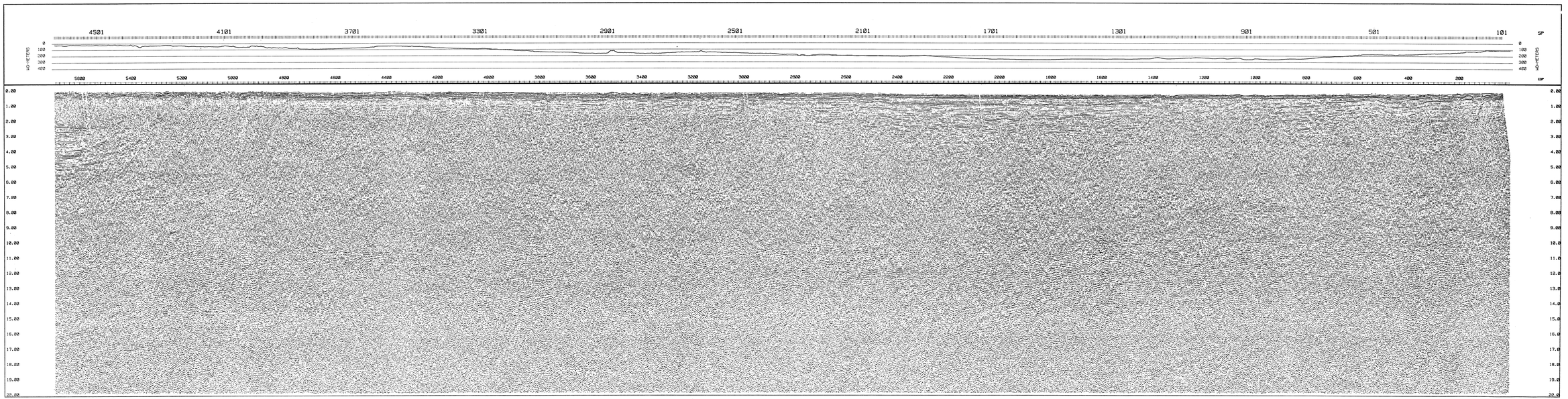
RECORDED BY:	U.S.G.S. + NOAA	DATE RECORDED:	JULIAN DAY=1986
RECORDING VES.:	SURVEYOR I	RECEIVER VES.:	SURVEYOR I
			DATE: 87/08
INSTRUMENTATION:	EG&G MARK III		
SHOOTING MODE:	EG&G 3260/3	SHOT INTERVAL (SECS):	10 SECS
SHOOTING SPEED:	5 KNOTS	SHOT INTERVAL (METERS):	25 METERS
SHOT DEPTH:	10 METERS		
RECEIVER DEPTH:	10 METERS		
RECEIVER TOWING:	10 METERS		
RECORDING FORMAT:	SEGY	TAPE DENSITY:	1600 BPI
		TAPE FORMAT:	9 TRACK
NO. OF TRACES:	96		
		SAMPLE RATE:	4 MS
		RECORD LENGTH:	10 SECS

SPREAD CONFIGURATION

TR. 1	TR. 48	SHOT	SHOT-OUTSHOT
2975 M			75 M
	+/- 235 M		

PROCESSING SEQUENCE

	DEMULTIPLEX
Bandpass	SPIKE DECONVOLUTION REMOVAL
	SIGNATURE DEFINITION
	TRACE EDITING
	BANDPASS FILTER: 8-16 HZ
	F-K FILTERING IN SHOT DOMAIN
	APERTURE: 24 TRACES
	FILTER LENGTH: 41 TRACES
	FILTER LENGTH: 15 TRACES
	REJECT RANGE: +/- 0.15 MSEC/TRACE
7	DSP: SHOT TO CDP
9-10	SEQUENTIAL VELOCITY CORRECTION
	TARGET TIME: 1000 MS
9-11	VELOCITY ANALYSIS
12	NORMAL MOVEOUT
13	MULTIPLE SUPPRESSION IN CDP DOMAIN
	TYPE: PEF
	GATE: 600-2 MS
13	NORMAL MOVEOUT
14	FIRST BOTTOM MULTIPLE SUPPRESSION (MUTE)
15	PREDICTIVE DECONVOLUTION
	SHOOTING
	OPERATOR LENGTH: 50 MSECS
	TIME WINDOW: 0 - 5000
	RECEIVER
	OPERATOR LENGTH: 50 MSECS
	TIME WINDOW: 5000 - 13000
	CDP
	OPERATOR LENGTH: 100 MSECS
	TIME WINDOW: 10000 - 20000
16	SYNCHRONIZE FOR
17	SHOOTING FILTER
	TYPE: BANDPASS
	0 - 3018 MS: 4-8 - 32-40
	3018 - 6000 MS: 4-8 - 28-36
	6000 - 20000 MS: 4-8 - 24-32
18	POST-STACK DECONVOLUTION
	OPERATOR LENGTH: 80 MSEC CROSS-
	TIME WINDOW: 1000 - 4000
	OPERATOR LENGTH: 80 MSEC CROSS-
	TIME WINDOW: 4000 - 20000
19	VERTICAL SCALE TO 11
20	MUTE/NO DATA ZONES
	TOP: 1000 MS
22	POST-STACK FILTER: 4-8 - 32-40
	F-K FILTERING IN SHOT DOMAIN
	5 TRACES OVERLAP FACT AND 3 SAMPLES
23	DISPLAY
	TRACES PER INCH: 100
	DISPLAY SPEED: 2 INCHES / SEC
	DISPLAY DATE: APRIL 4, 1989



Any use of trade names is for descriptive purposes only and does not imply endorsement by the U.S. Geological Survey