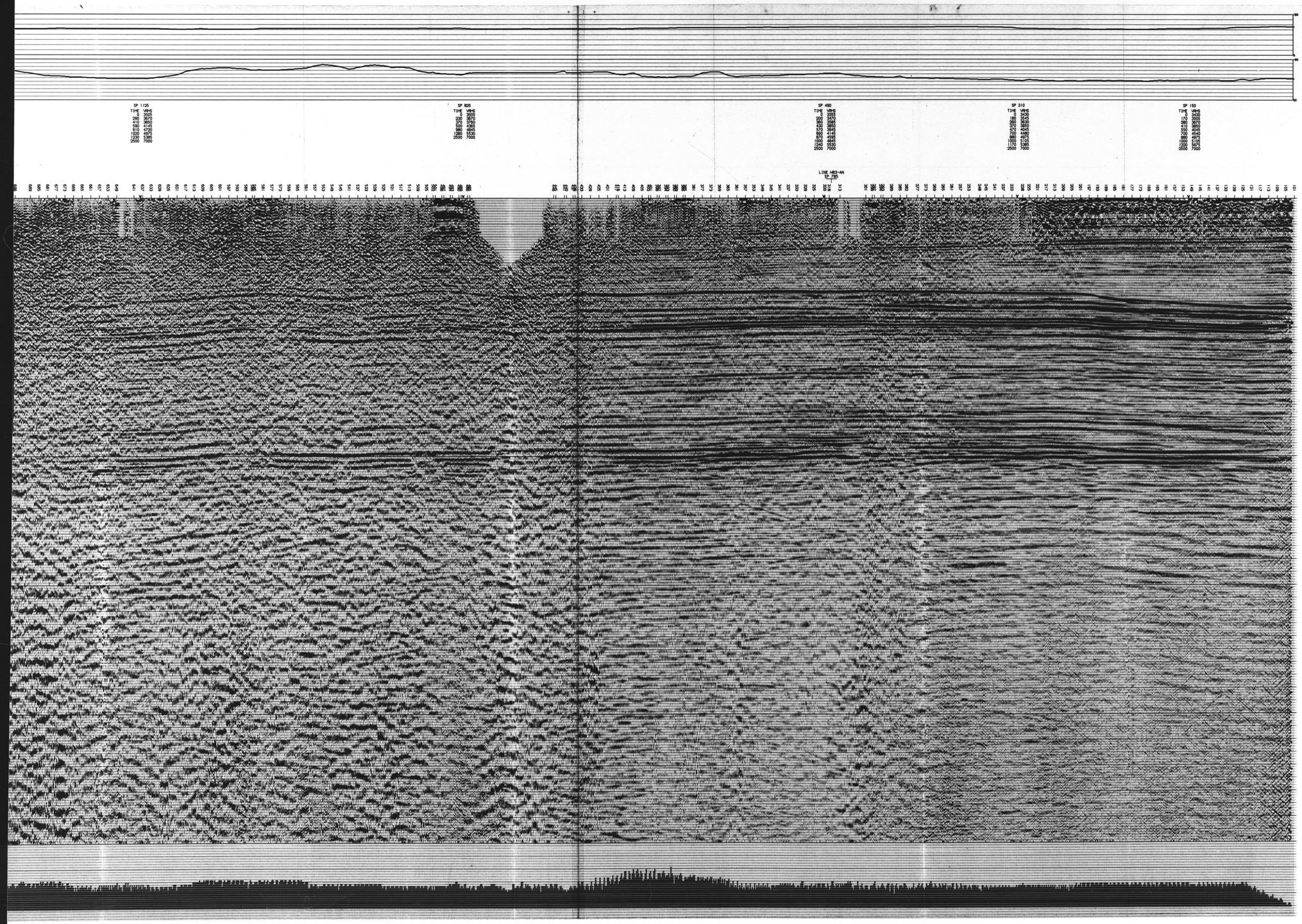

#14716
W83-NB
N
10/sec

9229-T21-1

LINE W83-NB
SP 101-869
S.E.

STRUCTURE STACK

TEXACO CANADA RESOURCES

CARCAJOU

SEFEL GEOPHYSICAL
SEISMIC DATA PROCESSING
CALGARY CANADA

DATE PROCESSED
JUNE 1983

Q.C. GEOPHYSICIST
PAUL CHERNOFF

FIELD RECORDING

SHOT BY	WESTERN GEOPHYSICAL
DATE SHOT	APRIL 1983
PARTY	367
SOURCE	DYNAMITE
CHARGE SIZE	1 KG
SHOT DATA	
INTERVAL	60 M
PATTERN	2 HOLES OVER 30 M
DEPTH	13 M
GEOPHONE DATA	
INTERVAL	15 M
PATTERN	9 OVER 15 M
TYPE	MARK - 30 HZ
NUMBER OF GROUPS	96
SPREAD	750-45-X-45-750 M
INSTRUMENT TYPE	DFS V
TAPE FORMAT	SEGB
GAIN MODE	IFP
FIELD FILTER	18/128 HZ
NOTCH FILTER	OUT
SAMPLE INTERVAL	2 MS

DIGITAL PROCESSING

1 DEMULTIPLEX AND BINARY GAIN REMOVAL
RECORD LENGTH 2.5 SECONDS
SAMPLE INTERVAL 2 MS

2 CDP GATHERS
FOLD 1200 PERCENT

3 AUTOMATIC GAIN RECOVERY

4 DATUM AND WEATHERING STATICS
DATUM 100 M
REPLACEMENT VELOCITY 3500 M/SEC
WEATHERING VELOCITY 610 M/SEC

5 VELOCITY FILTER
ATTENUATE EVENTS WITH AN APPARENT
VELOCITY LESS THAN 2900 M/SEC

6 INSTRUMENT PHASE COMPENSATION

7 SPIKING DECONVOLUTION
OPERATOR LENGTH 80 MS
PREWHITENING 1 PERCENT
WINDOW 100 TO 1500 MS AT 45 M
300 TO 1700 MS AT 750 M

8 SURFACE CONSISTENT RESIDUAL STATICS
WINDOW 300 TO 1300 MS
MAX CORRELATION LAG +/-40 MS

9 VELOCITY ANALYSIS
CONSTANT VELOCITY STACKS

10 NORMAL MOVEOUT

11 SURFACE CONSISTENT RESIDUAL STATICS
WINDOW 300 TO 700 MS
MAX CORRELATION LAG +/-30 MS

12 MUTE
0 MS AT 135 M
150 MS AT 150 M
300 MS AT 750 M

13 CDP STACK
1200 PERCENT

14 BANDPASS FILTER
9/15-100/110 HZ

15 EQUALIZATION

16 FILM DISPLAY

94 TPI
10" IN/SEC

NORMAL POLARITY

terra survey ltd
2060 Walkley Rd.
Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502
Cable: TERRA

PROJ. NO. 9229 T21 1E

LINE NO. W83-NB

PART NO. 1 OF 2

R.R. 10X

terra surveys ltd
2060 Walkley Rd. Ottawa, Ont.
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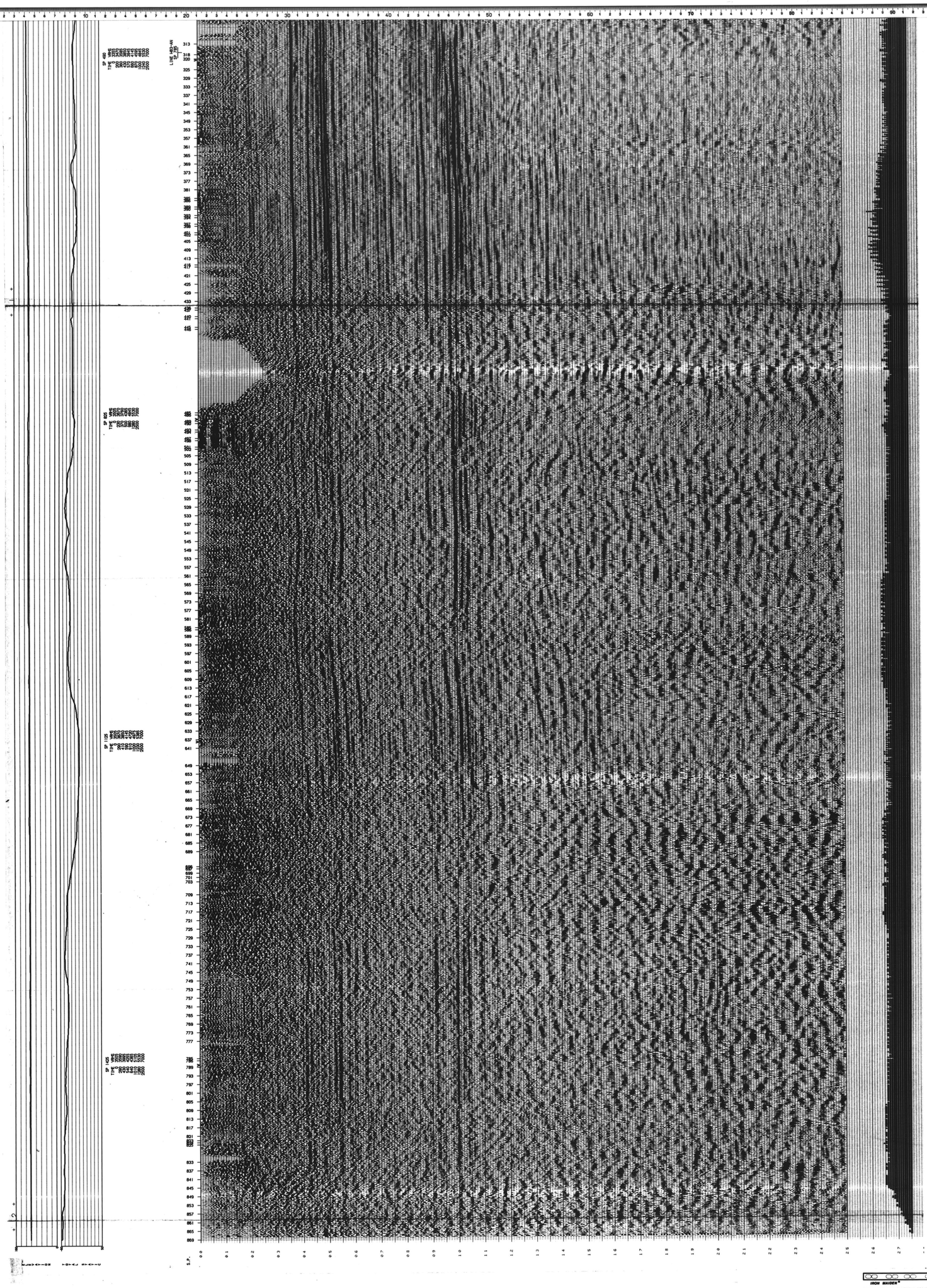
Telex: 053-3502 Cable: TERRA

PROJ. NO. 9229 T21 1E LINE NO. W83-NB PART NO. 2 OF 2 R.R. 10X



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CANADIAN IND. DESIGN REG. NO. 43524
CANADIAN PATENT 1065729 1979
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