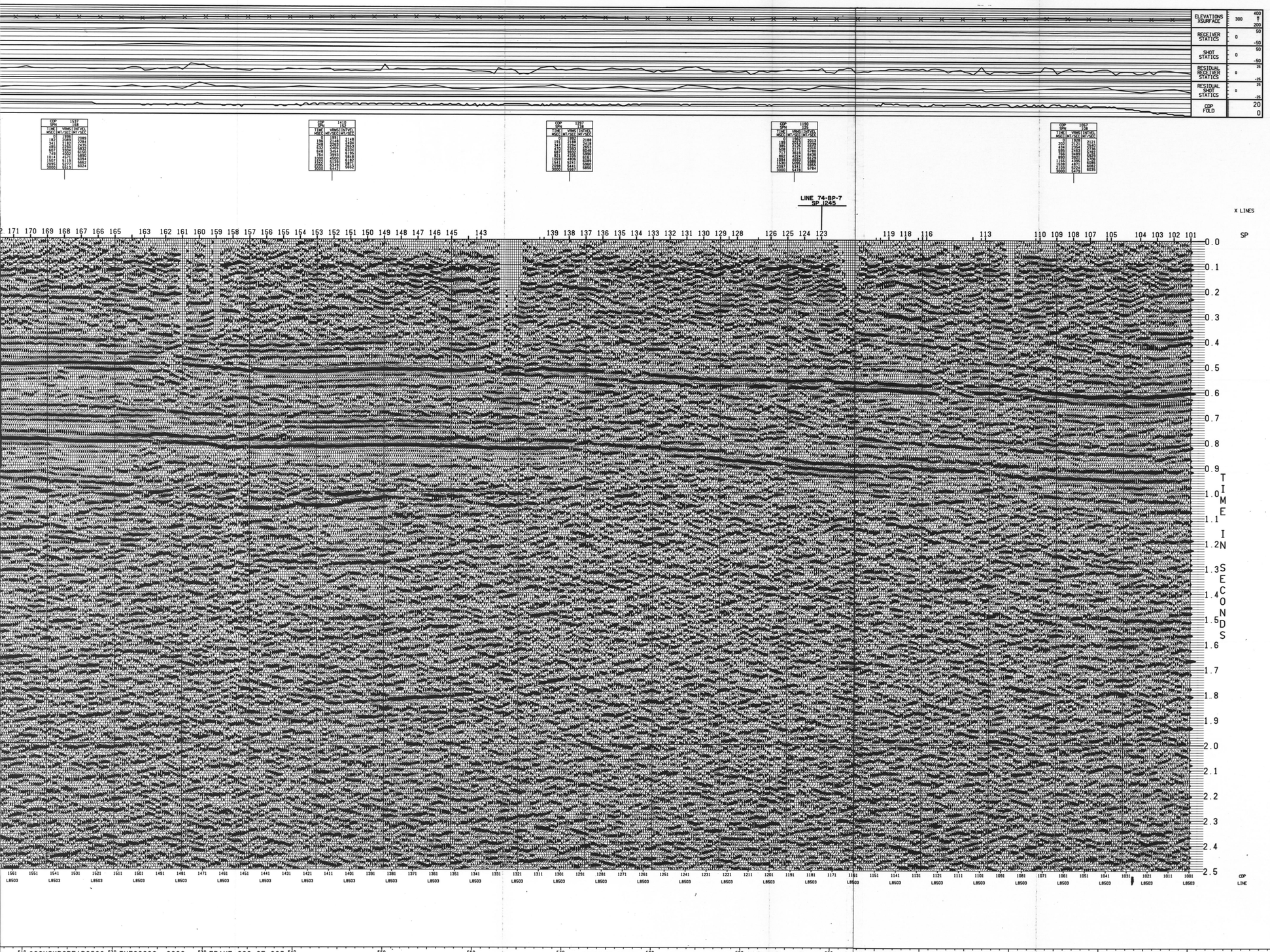


LINE 8503
SP 101 TO 436

PETRO CANADA

AREA : GREAT BEAR LAKE

SOUTHEAST ⟶ ⟵ DIRECTION SHOT

MIGRATED STACK (NORMAL POL.)

FIELD DATA

RECORDED BY : SEISCOM DELTA UNITED PARTY 552

DATE : MARCH - APRIL 1985

INSTRUMENTATION

AMPLIFIERS	: DFS V
NO. OF TRACES	: 96
RECORDING FILTER	: 18 - 128 HZ
FORMAT	: SEGB 9 TRACK
RECORD LENGTH	: 6 SECONDS
SAMPLE RATE	: 2 MSEC.
DENSITY	: 1600 B.P.I.
GEOPHONE TYPE	: GEOSOURCE 10 HZ

RECORDING SPREAD

GROUP INTERVAL	: 33 METERS	TYPE	: DYNAMITE
SHOT POINT INTERVAL	: 132 METERS	WEIGHT	: 2 KGS. PER HOLE
INTENDED COVERAGE	: 12 FOLD	HOLE DEPTH	: 18 METERS
GEOPHONE ARRAY	: 9 GEOPHONES INLINE AT 8.25 METERS	PATTERN	: SINGLE HOLE

ENERGY SOURCE

CONFIGURATION

```
TR96            TR49            SP              TR48            TR1
T................T               T               T................T
                                <- 66 M -><- 66 M ->
<---------- 1617 M ----------><---------- 1617 M ---------->
```

DIGITAL PROCESSING

DATUM : 305 METERS A.S.L. — REPLACEMENT VELOCITY : 2450 METERS/SECOND

1. DEMULTIPLEX	: OUTPUT AT 2 MSEC. SAMPLING TO 3 SECONDS
2. TRACE EDITING	: FROM FIELD MONITORS
3. STATICS COMPUTATIONS	: WEATHERING STATICS FROM FIRST BREAK ANALYSIS
4. TRUE AMPLITUDE RECOVERY	: 7 DB/SEC FROM 0 TO 3.0 SECONDS
5. FIRST BREAK NOISE SUPPRESSION	
6. DECONVOLUTION	: ONE OPERATOR OF 80 MSEC 1.0 PERCENT WHITE NOISE LEVEL DESIGN GATES: 300 TO 1600 MSEC. NEAR TR 950 TO 2250 MSEC. FAR TR
7. EQUALIZATION	
8. RESIDUAL STATICS ANALYSIS	: SURFACE CONSISTENT AUTOMATIC STATICS (HSTATC) PLUS TRIM STATICS
9. RELATIVE STATICS - RESIDUAL STATICS APPLICATION	
10. NORMAL MOVEOUT CORRECTION	: VELOCITY ANALYSIS FROM VELSCANS (BEFORE AND AFTER AUTOMATIC STATICS)
11. MEAN DATUM STATICS APPLICATION	
12. STACK MUTE	: TIME(IN MSEC.) OFFSET(IN METERS) -50 66 0 264 400 495 1100 1617
13. CDP STACK	: 12 FOLD
14. MIGRATION	: WAVE EQUATION MIGRATION KIRCHOFF F/K DOMAIN DIP LIMITED
15. TIME INVARIANT FILTER	: 10/20 - 50/60 HZ
16. TIME VARIANT SCALING	: (10 X 100) 200.200.300.500 MSEC. GATES START TIME = 0 MSEC.
DISPLAY POLARITY	: NORMAL (PEAK ON DISPLAY REPRESENTS POSITIVE NUMBER ON TAPE)

DISPLAY

HORIZONTAL SCALE - 16.0 TR/IN 60.606049 TR/KM
VERTICAL SCALE - 7.500000 IN / SEC
POLARITY - NORMAL
TRACE TYPE . BIAS - NTWAR 0.0 PERCENT
DATUM - 305 M.A.S.L.
DISPLAY UNIT - 0.677333 CM

DISPLAY GAIN

INPUT	
CDP	ALL
GAIN	FIRE
-72.0	0

28 JUN 1985
23:38:32

CALGARY LAND 6430

GEOPHYSICAL SERVICE INCORPORATED
A DIVISION OF TEXAS INSTRUMENTS LTD

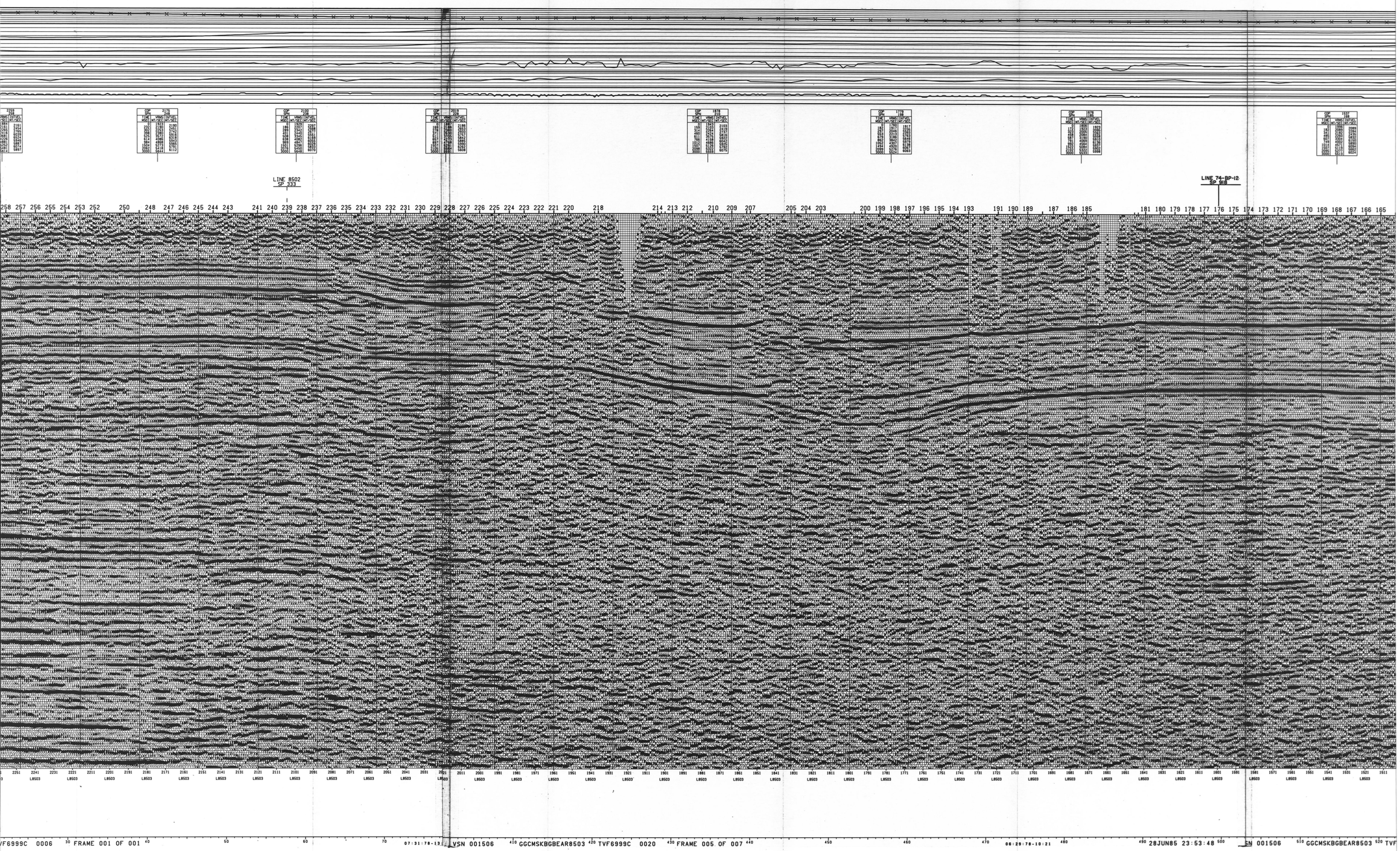
PROCESSING PARTY CHIEF : J. LIKUSKI

LINE 8503
SP 101 TO 436

PETRO CANADA
AREA : GREAT BEAR LAKE

MIGRATED STA POL.)

tera survey ltd
2060 Walkley Rd. Ottawa, Ont. Canada K1G 3P5
Tel: (613) 731-8571
Telex: 053-3502 Cable: TERRA
PROJ. NO. 9 2 9 - P 2 8 - 5 E
LINE NO. 8 5 0 3
PART NO. 1 OF 4 R.R. 8X



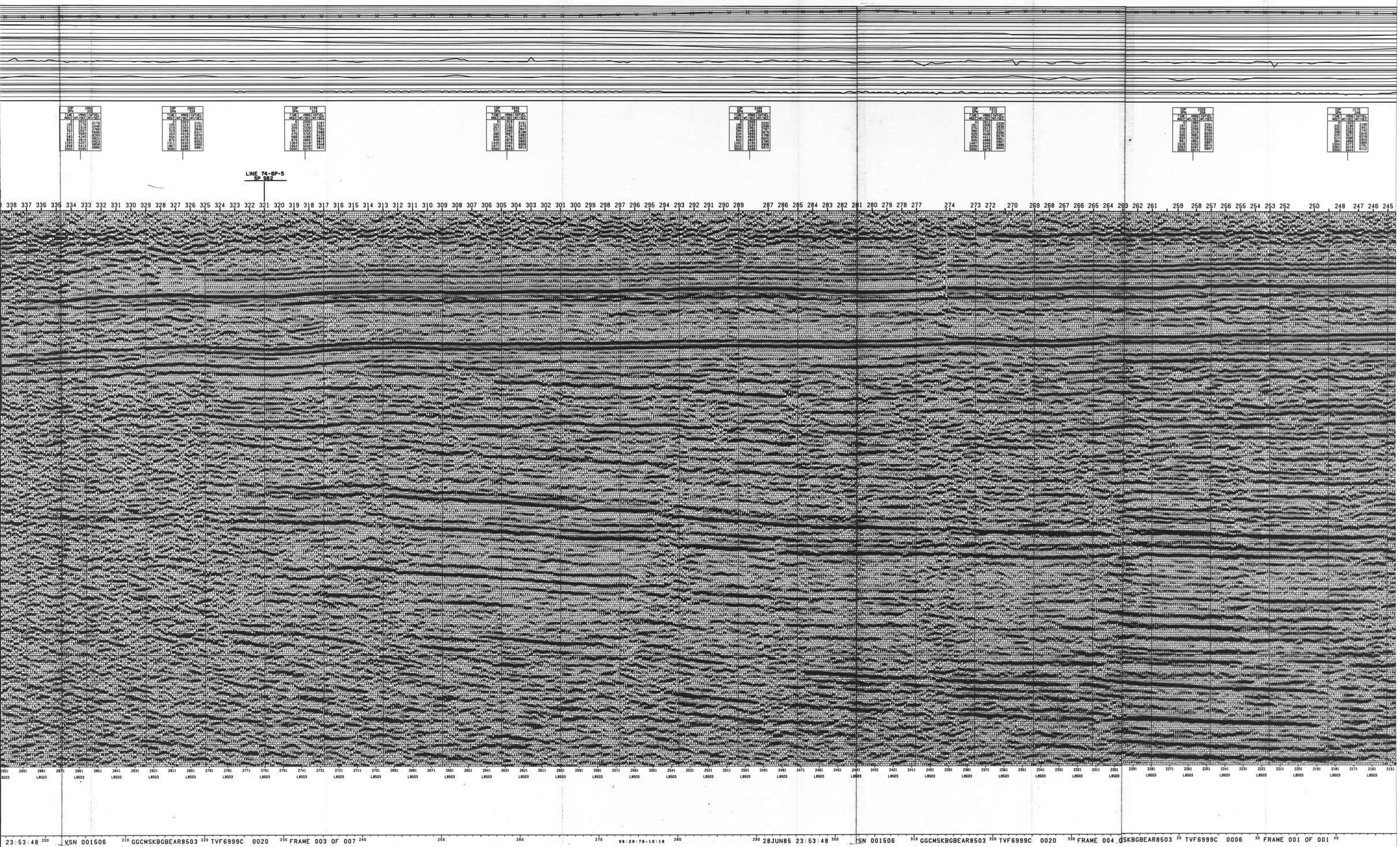
terra
Ottawa, Ont.
2080 Walkley Rd.
Canada K1G 3P5
Tel: (613) 731-1177
Telex: 053-3602 Cable: TERRA

PROJ. NO. 9229-P28-5E

LINE NO. 8503

PART NO. 2 OF 4

R.R. 8X



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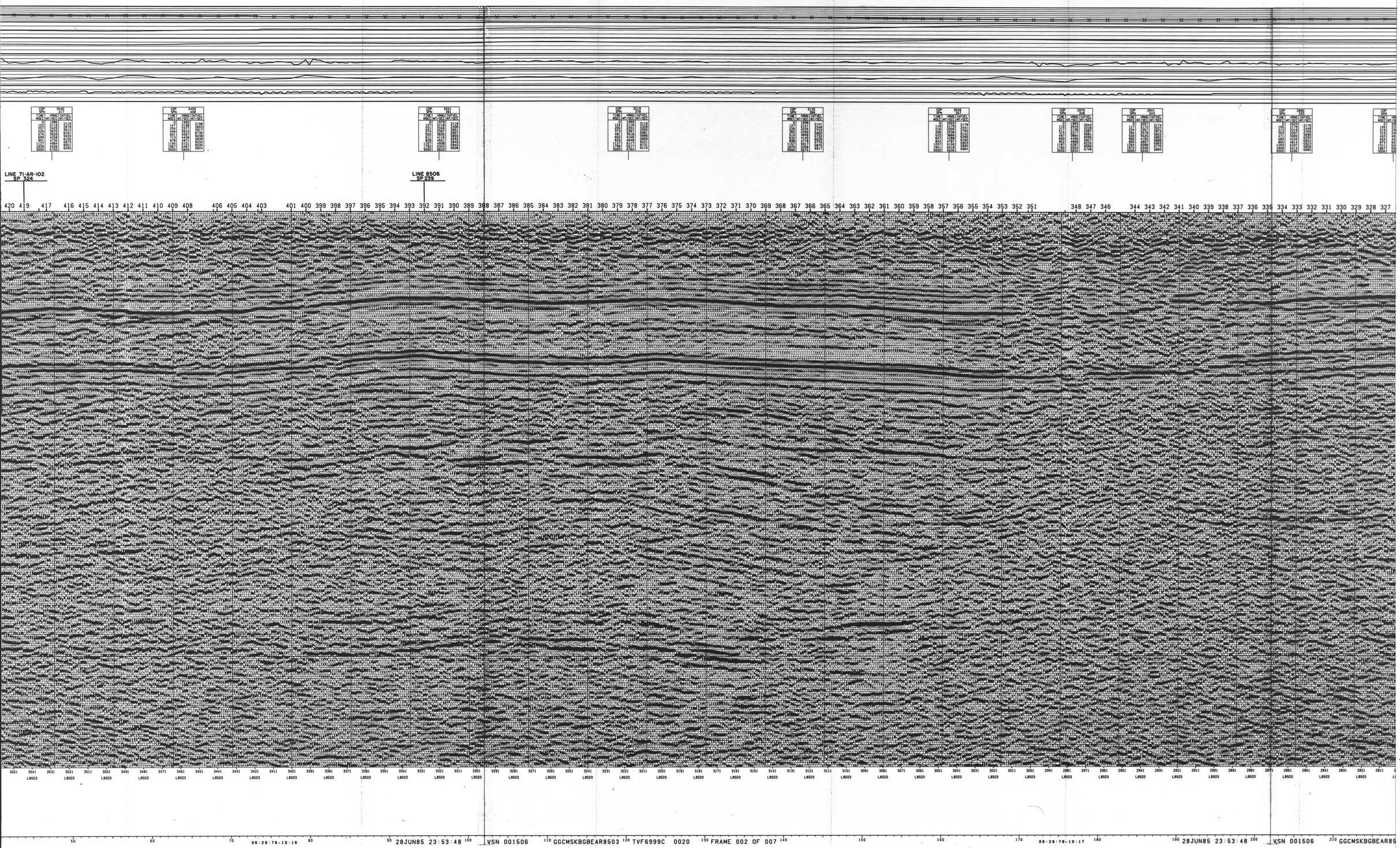
Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502
Cable: TERRA

PROJ. NO. 9 2 2 9 - P 2 8 - 5 E

LINE NO. 8 5 0 3

PART NO. 3 OF 4

R.R. 8X



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Telex: 053-3502 Cable: TERRA

PROJ. NO. 9 2 2 9 - P 2 8 - 5 E

LINE NO. 8 5 0 3

PART NO. 4 OF 4

R.R. 8X

terra
2080 Walkley Rd.
Ottawa, Ont.
Canada K1G 3P5
Tel: (613) 731-8571
Telex: 053-3602 Code: TERRA

PROJ. NO. 9229-P28-5E

LINE NO. 8503

PART NO. OF 5

R.R. 8X