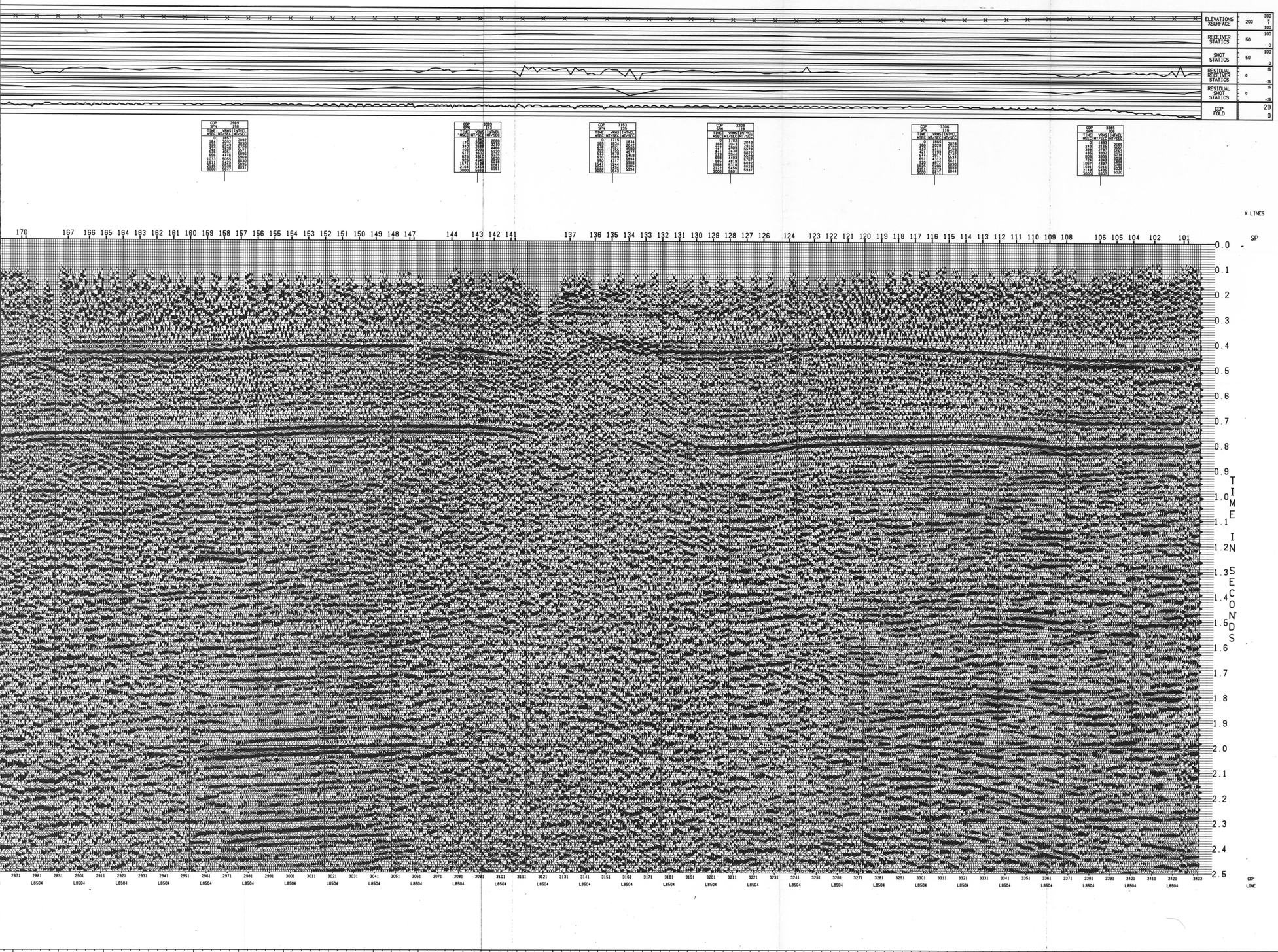


9229-P28-5E

404080

LINE 8504

SP 99 TO 404

PETRO CANADA

AREA : GREAT BEAR LAKE

NORTHEAST → ← 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
SHOT POINT INTERVAL : 132 METERS
INTENDED COVERAGE : 12 FOLD
GEOPHONE ARRAY : 9 GEOPHONES INLINE AT 4.125 METERS

ENERGY SOURCE

TYPE : DYNAMITE
WEIGHT : 2 KGS. PER HOLE
HOLE DEPTH : 18 METERS
PATTERN : SINGLE HOLE

CONFIGURATION

```
TR96                TR49          TR48              TR1
T.................T.....T.....T.................T
                     SP
                  : 66 M :: 66 M :
<--------- 1817 M ----------+---------- 1817 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 1800 MSEC. NEAR TR 950 TO 2250 MSEC. FAR TR
7. EQUALIZATION
8. RESIDUAL STATICS ANALYSIS : SURFACE CONSISTENT AUTOMATIC STATICS (CMSTATC) 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.) OFFSETS(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 - 18.0 TR/IN 60.606049 TR/KM
VERTICAL SCALE - 7.500000 IN / SEC
POLARITY - NORMAL
TRACE TYPE - BIAS - MTVAR 0.0 PERCENT
DATUM - 306 M.A.S.L.
DISPLAY UNIT - 0.877333 CM

DISPLAY GAIN

INPUT COP GAIN	INPUT COP TIME MSEC	ALL
-74.7	0	

12 JUL 1985
15:07:35

CALGARY LAND 6430

GEOPHYSICAL SERVICE INCORPORATED
A DIVISION OF TEXAS INSTRUMENTS LTD

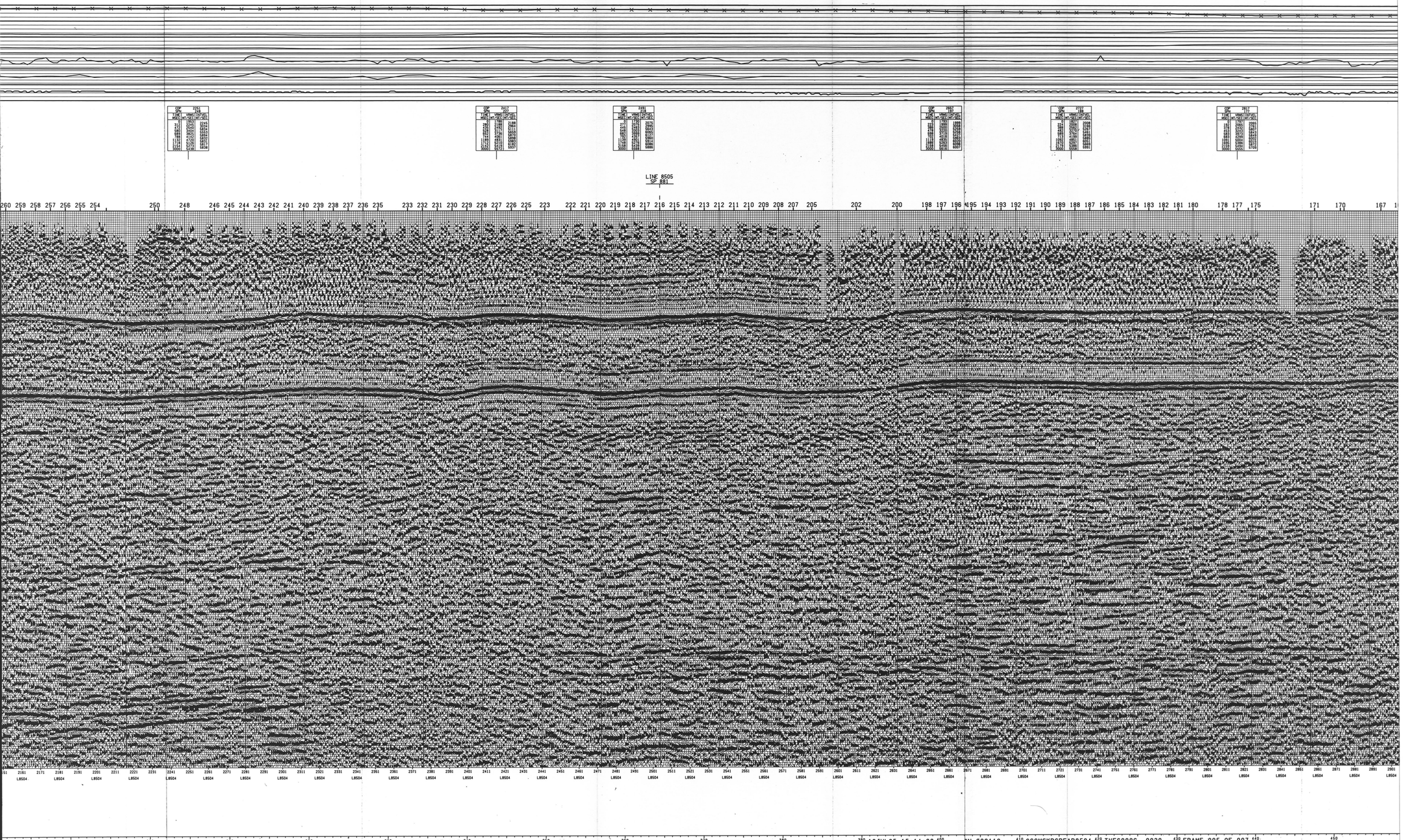
PROCESSING PARTY CHIEF : J. LIKUSKI

MIGRATED STACK (NORMAL POL.)

LINE 8504
SP 99 TO 404

PETRO CANADA
AREA : GREAT BEAR LAKE

2050 Walkley Rd. Ottawa, Ont. Canada K1G 3P5
Tel.(613) 731-8571 Telex: 053-3502 Cable: TERRA
PROJ. NO. 9229-P28-5E
LINE NO. 8504
PART NO. 1 OF 4
R.R. 8X



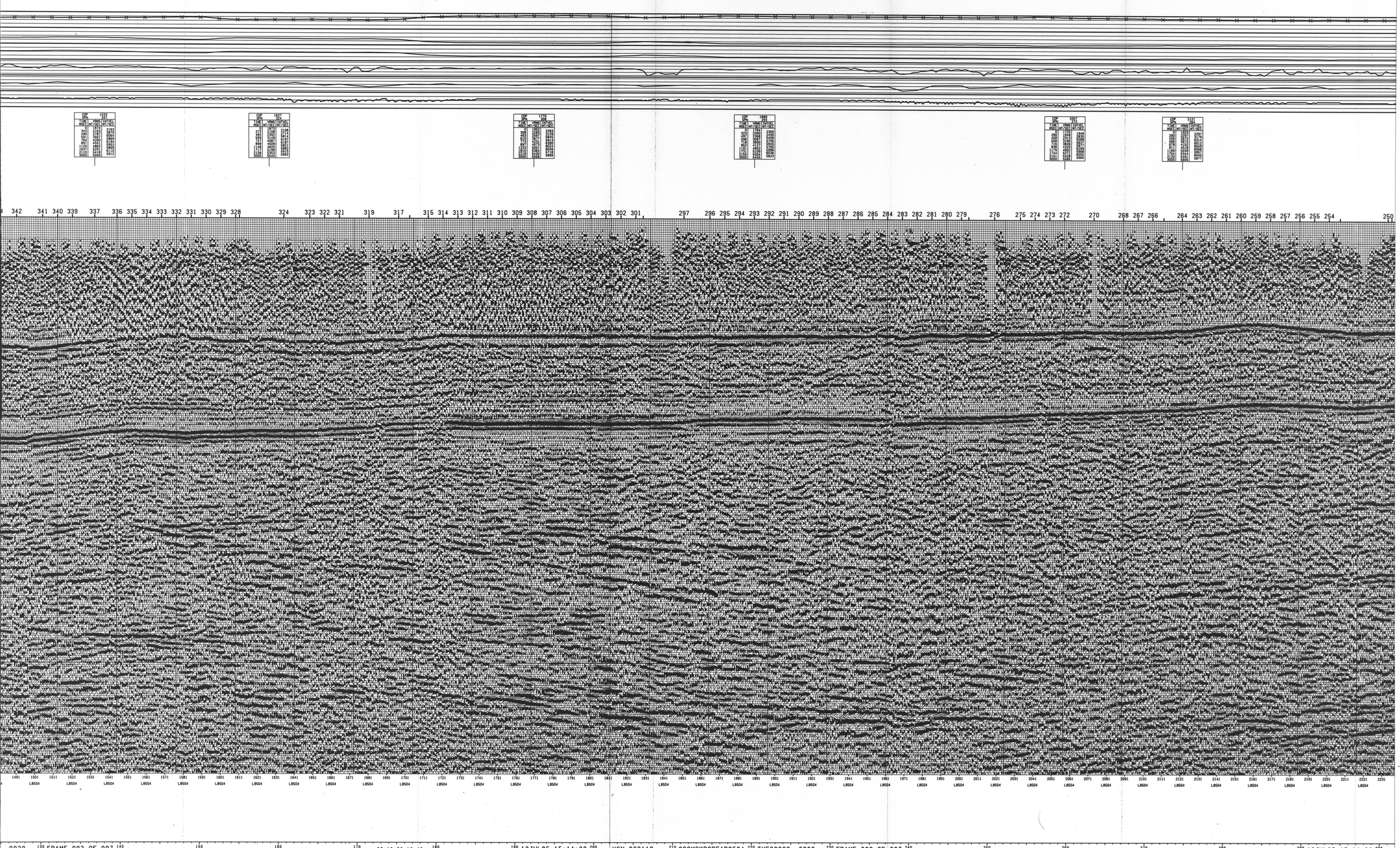
terra
2060 Walkley Rd.
Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-8575
Telex: 053-3562 Cable: TERRA

PROJ. NO. 9229-P28-5E

LINE NO. 8504

PART NO. 2 OF 4

R.R. 8X



terra
2080 Walkley Rd.
Ottawa, Ont.
Canada K1G 3P5
Tel: (613) 731-9571
Telex: 053-3612 Cable: TERRA

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

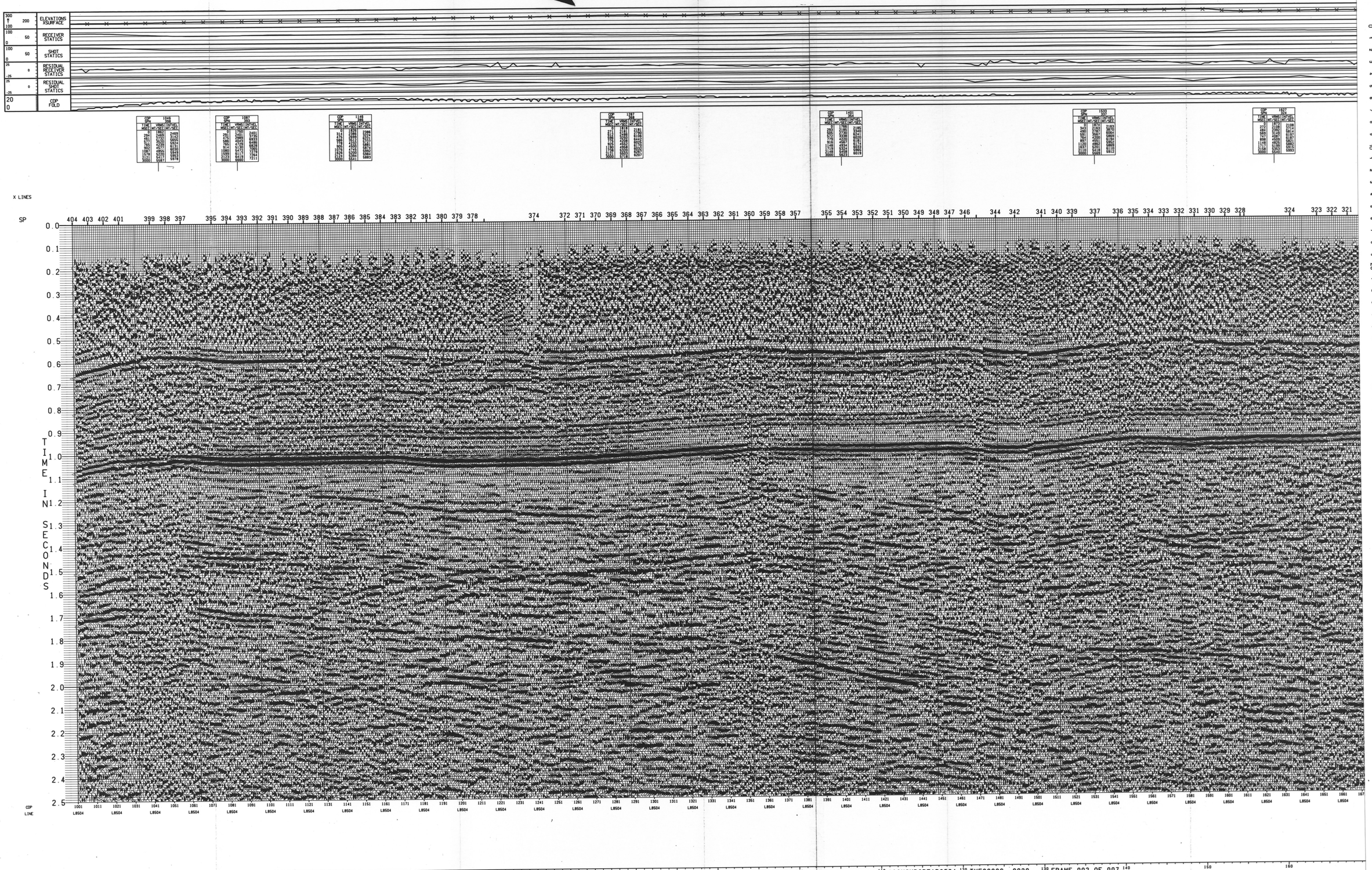
LINE NO. 8 5 0 4

PART NO. 3 OF 4

R.R. 8X

MIGRATED STACK (NORMAL POL.)

LINE 8504
SP 99 TO 404



PETRO CANADA
AREA : GREAT BEAR LAKE

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

PROJ. NO. 9229-P28-5E

LINE NO. 8504

PART NO. 4 OF 4

R.R. 8X