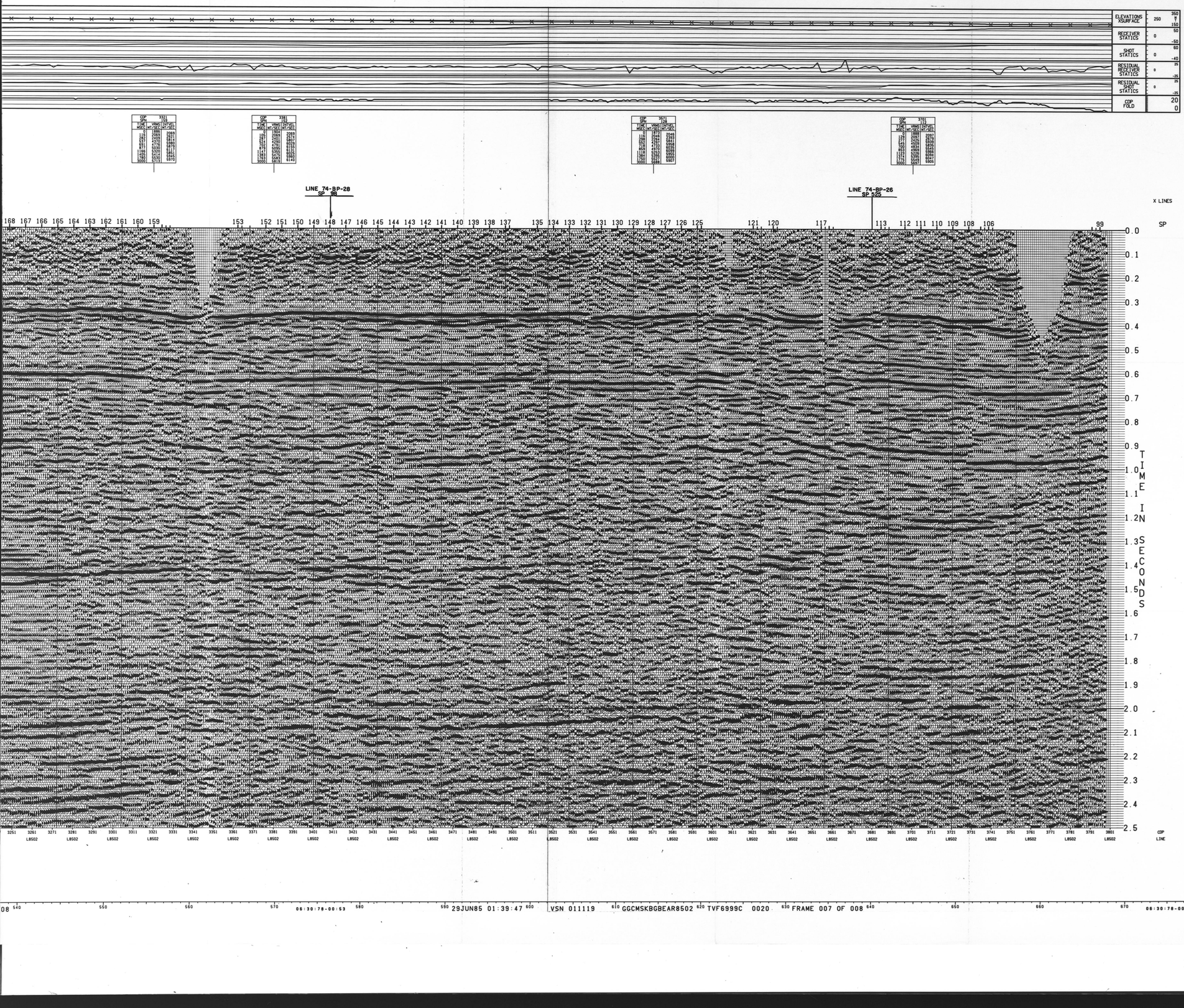


LINE 8502
SP 99 TO 449

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 8 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 SP TR48 TR1
◄ 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	: T 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(SIN METERS) -50 66 264 495 400 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 10D) 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 - WTVAR . 0.0 PERCENT
DATUM - 305 M A.S.L.
DISPLAY UNIT - 0.677333 CM

DISPLAY GAIN

CDP	ALL
GAIN	TIME MSEC
DB	0
-78.7	

29 JUN 1985
01:30:21

CALGARY LAND 6430

GEOPHYSICAL SERVICE INCORPORATED
A DIVISION OF TEXAS INSTRUMENTS LTD

PROCESSING PARTY CHIEF : J. LIKUSKI

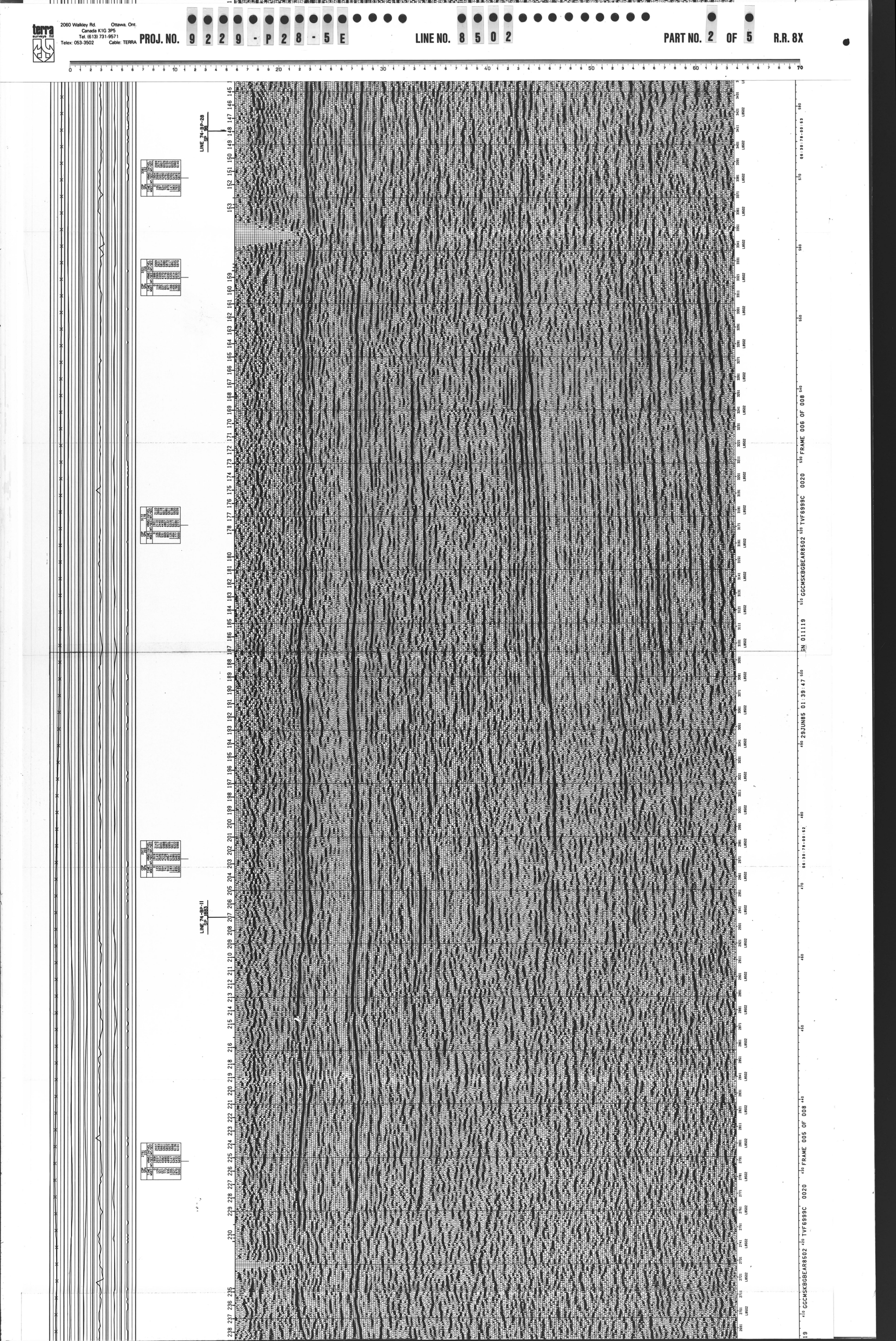
MIGRATED STACK (NORMAL POL.)
LINE 8502
SP 99 TO 449
PETRO CANADA
AREA : GREAT BEAR LAKE

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

PROJ. NO. 92299-P28-5E
LINE NO. 8502
PART NO. 1 OF 5 R.R. 8X

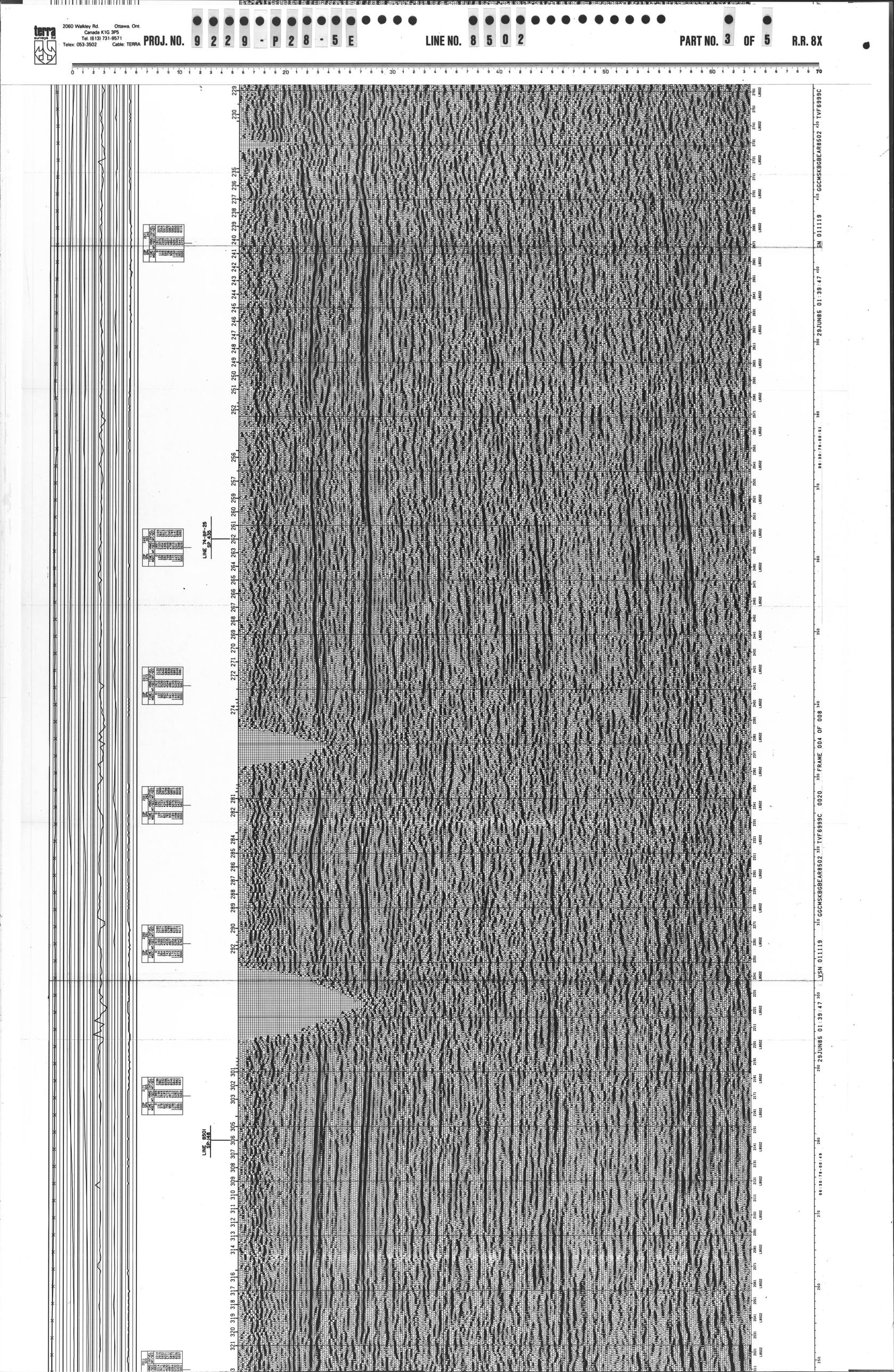
terra surveys ltd
2060 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 9229-P28-5E LINE NO. 8502 PART NO. 2 OF 5 R.R. 8X



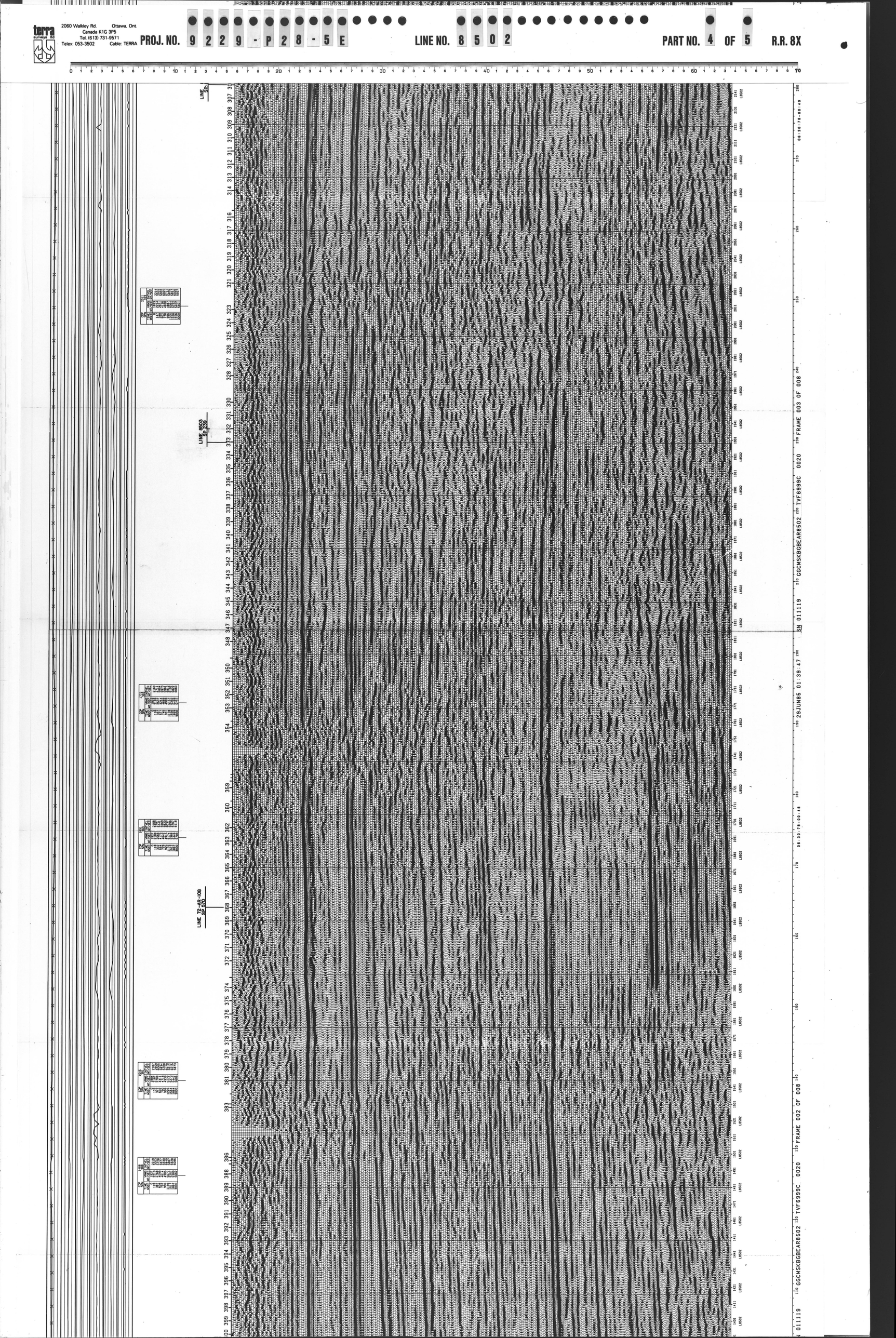
terra surveys ltd
2060 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 9229-P28-5E LINE NO. 8502 PART NO. 3 OF 5 R.R. 8X



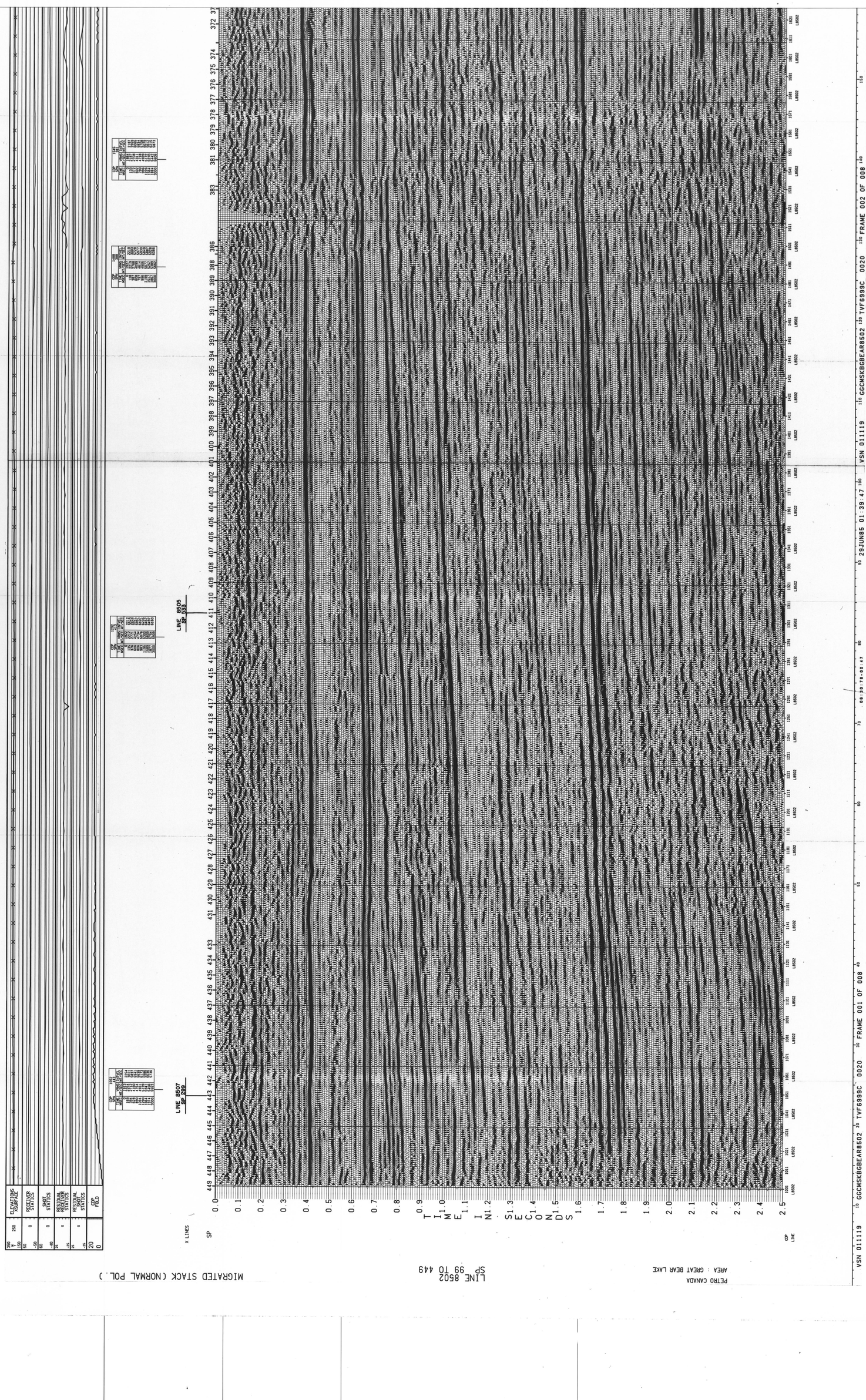
terra surveys ltd
2060 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 9229-P28-5E LINE NO. 8502 PART NO. 4 OF 5 R.R. 8X



terra surveys 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. 8502 PART NO. 5 OF 5 R.R. 8X



MIGRATED STACK (NORMAL POL.)

LINE 8502
SP 99 TO 449

PETRO CANADA
AREA : GREAT BEAR LAKE