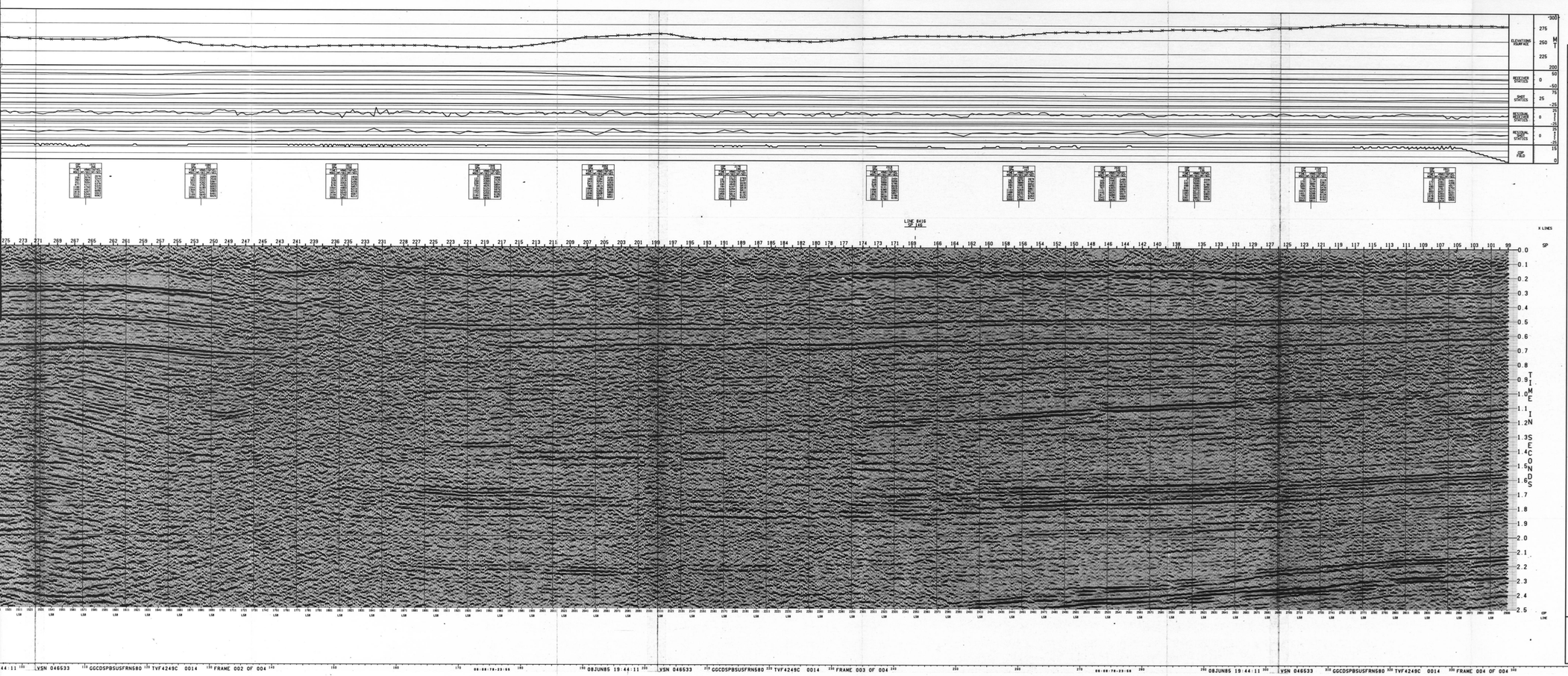


92 29-P28-5E

41829
R517-06

LINE 58X

SP 99 TO 331

PETRO CANADA
AREA : GREAT BEAR LAKE
NTS 96B

NORTHEAST → ← DIRECTION SHOT

MIGRATED STACK (NORMAL POL.)

FIELD DATA

RECORDED BY : WESTERN GEOPHYSICAL PARTY 382
DATE : JANUARY - MARCH 1985
INSTRUMENTATION

AMPLIFIERS : DFS V
NO. OF TRACES : 96
RECORDING FILTER : 8 - 128 HZ
FORMAT : SEGB 2 BRAIN
RECORD LENGTH : 8 SECONDS
SAMPLE RATE : 2 MSEC
DENSITY : 1600 B.P.I
GEOPHONE TYPE : LRS 14 HZ

RECORDING SPREAD : 1

ENERGY SOURCE

GROUP INTERVAL : 33 METERS
SHOT POINT INTERVAL : 132 METERS
INTENDED COVERAGE : 12 FOLD
GEOPHONE ARRAY : 12 GEOPHONES IN-LINE 47.5 X METERS

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

CONFIGURATION

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
  PRE DRIFT APPLIED (2 MSEC LIMIT)
  DESIGN GATES: 300 TO 1500 MSEC. NEAR TR
  800 TO 2250 MSEC. FAR TR
7. EQUALIZATION
8. RESIDUAL STATICS ANALYSIS : SURFACE CONSISTENT AUTOMATIC STATICS (METHOD: PILOT TRACE STATICS
9. RELATIVE STATICS - RESIDUAL STATICS APPLICATION
10. NORMAL MOVEOUT CORRECTION : VELOCITY ANALYSIS FROM HELICORD (BEFORE AND AFTER AUTOMATIC STATICS)
11. MEAN DATUM STATICS APPLICATION
12. STACK MUTE : TIME(IN MSEC.) OFFSET(IN METERS)
  0 0
  400 250
  1000 750
  1100 1000
13. CDP STACK : 12 FOLD
14. MIGRATION : WAVE EQUATION MIGRATION
  MODIFIED FOR TIME DOMAIN
  DIP LIMITED.
15. TIME INVARIANT FILTER : 10/20 - 50/60 HZ
16. TIME VARIANT SCALING : (10 0 100) 200.200.300.500 MSEC. GATES
  START TIME = 0 MSEC.

DISPLAY POLARITY : NORMAL (PEAK ON DISPLAY REPRESENTS POSITIVE NUMBER ON TAPE)

DISPLAY

HORIZONTAL SCALE - 20.0 TR/IN
VERTICAL SCALE - 2 SECONDS IN / SEC
POLARITY - NORMAL
TRACE TYPE - BIAS - MTAR 0.0 PERCENT
DISPLAY UNIT - 0 MILLIMETER ON

80.0000MM TR/KM

DISPLAY GAIN	
CHANNEL	GAIN
1	1.00
96	1.00

18 JUL 1985
18 JUL 1985

CALGARY LAND 6430

GEOPHYSICAL SERVICE INCORPORATED
A DIVISION OF TEXAS INSTRUMENTS LTD

PROCESSING PARTY CHIEF : J. LIDUSKI

MIGRATED STACK (NORMAL POL.)

LINE 58X
SP 99 TO 331

CANADA
GREAT BEAR LAKE

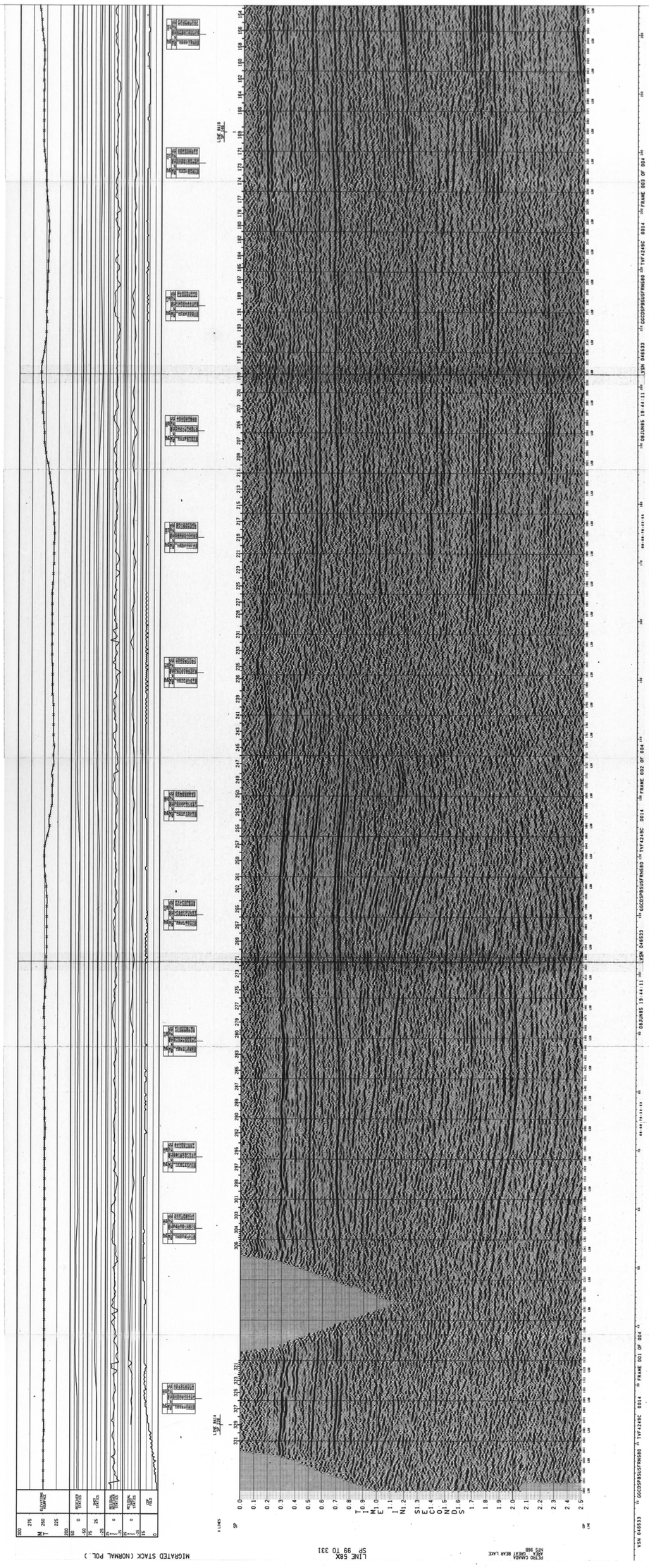
PROJ. NO. 9229-P28-5E

LINE NO. 58X

PART NO. 1 OF 2

R.R. 8X

2060 Walkley Rd.
Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-8571
Telex: 053-3502
Cable: TERRA

terra surveys ltd
2060 Walkley Rd. Ottawa, Ont.
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. 5 8 X PART NO. 2 OF 2 R.R. 8X