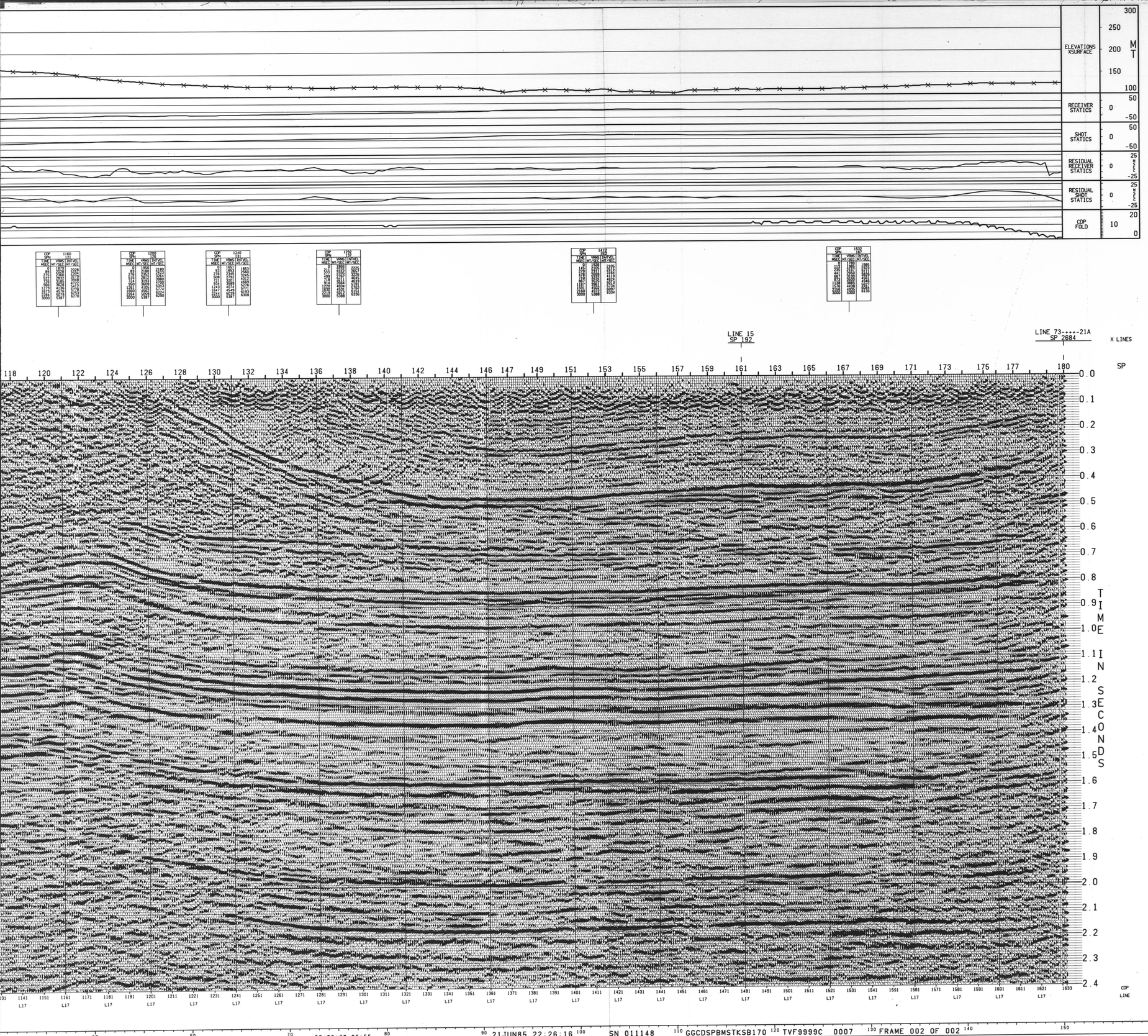



# LINE 17
# SP 101 TO 180

## PETRO CANADA
AREA : BRACKETT LAKE
NTS 96F

9229-P28-10E

NORTHEAST → ← DIRECTION SHOT

## MIGRATED STACK (NORMAL POL.)

### FIELD DATA

RECORDED BY : WESTERN GEOPHYSICAL PARTY 362

DATE : MARCH - APRIL 1985

INSTRUMENTATION

AMPLIFIERS : DFS V
NO. OF TRACES : 96
RECORDING FILTER : 8 - 128 HZ
FORMAT : SEGB 9 TRACK
RECORD LENGTH : 6 SECONDS
SAMPLE RATE : 2 MSEC.
DENSITY : 1600 B.P.I.
GEOPHONE TYPE : LRS 14 HZ

RECORDING SPREAD

GROUP INTERVAL : 33 METERS
SHOT POINT INTERVAL : 132 METERS
INTENDED COVERAGE : 12 FOLD
GEOPHONE ARRAY : 9 GEOPHONES INLINE AT 7.5 METERS

ENERGY SOURCE

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

CONFIGURATION

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

### DIGITAL PROCESSING

DATUM : 150 METERS A.S.L. — REPLACEMENT VELOCITY : 3200 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<br>1.0 PERCENT WHITE NOISE LEVEL<br>DESIGN GATES: 300 TO 1600 MSEC. NEAR TR<br>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.) — OFFSETS(IN METERS)<br>-50 — 66<br>0 — 264<br>400 — 495<br>1100 — 1617 |
| 13. CDP STACK | : 12 FOLD |
| 14. MIGRATION | : WAVE EQUATION MIGRATION<br>KIRCHOFF F/K DOMAIN<br>DIP LIMITED |
| 15. TIME INVARIANT FILTER | : 10/20 - 60/70 HZ |
| 16. TIME VARIANT SCALING | : (10 X 100) 200.200.300.500 MSEC. GATES<br>START TIME = 0 MSEC. |
| DISPLAY POLARITY | : NORMAL (PEAK ON DISPLAY REPRESENTS POSITIVE NUMBER ON TAPE) |

### DISPLAY

HORIZONTAL SCALE - 12.0 TR/IN 60.606049 TR/KM
VERTICAL SCALE - 10.0 IN / SEC
POLARITY - NORMAL
TRACE TYPE . BIAS - WTVAR 0.0 PERCENT
DATUM - 150 M A.S.L.
DISPLAY UNIT - 0.967619 CM

DISPLAY GAIN

| INPUT | |
|---|---|
| CDP | ALL |
| GAIN DB | TIME MSEC |
| -76.0 | 0 |

0HZ 0.25HZ 0.5HZ 1HZ
0KM 0.25KM 0.5KM 1KM

21 JUN 1985
22:20:56

CALGARY LAND 6430

GEOPHYSICAL SERVICE INCORPORATED
A DIVISION OF TEXAS INSTRUMENTS LTD

PROCESSING PARTY CHIEF : J. LIKUSKI

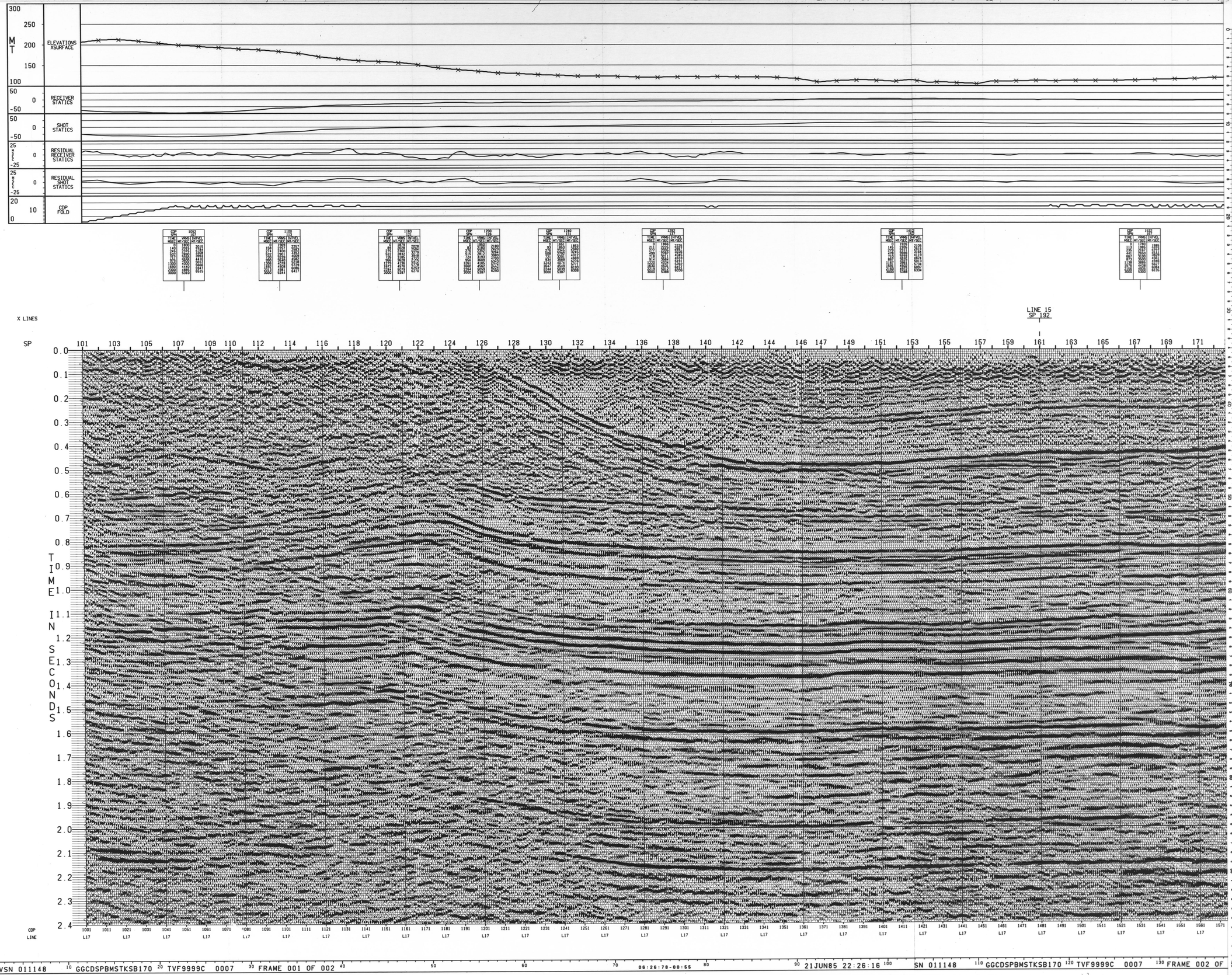
MIGRATED STACK (NORMAL POL.)

LINE 17
SP 101 TO 180

PETRO CANADA
AREA : BRACKETT LAKE
NTS 96F


2060 Walkley Rd. Ottawa, Ont. Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA
PROJ. NO. 9229-P28-10E
LINE NO. 17
PART NO. 1 OF 2
R.R. 10X

MIGRATED STACK (NORMAL POL.)




LINE 17
SP 101 TO 180

PETRO CANADA
AREA: BRACKETT LAKE
NTS 96F

VSN 011148 GGCDSPBMSTKSB170 TVF9999C 0007 FRAME 001 OF 002 06:26:78-00:55 21JUN85 22:26:16 SN 011148 GGCDSPBMSTKSB170 TVF9999C 0007 FRAME 002 OF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PROJ. NO. 92 29 - P28 - 10E

LINE NO. 17

PART NO. 2 OF 2

R.R. 10X