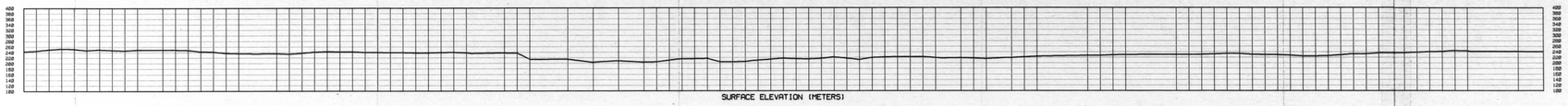
terra
2060 Walkley Rd.
Ottawa, Ont.
Canada K1G 3P5
Tel (613) 731-9571
Telex 053-3502 Cable: TERRA

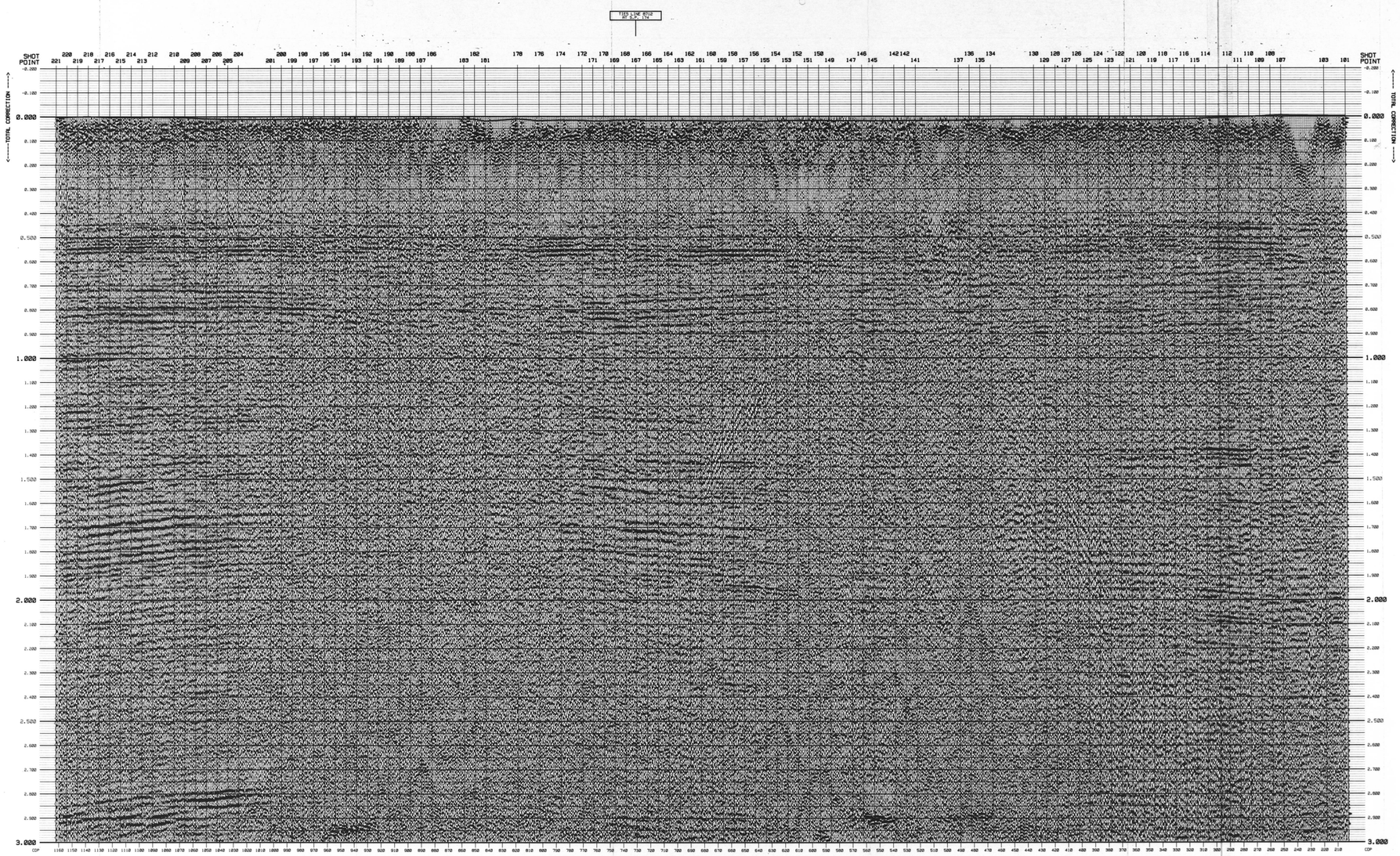
PROJ. NO. 9229-P28-4E

LINE NO. 8701

PART NO. 1 OF 1

R.R. 10X



SOUTHEAST

**Pulsonic GEOPHYSICAL LTD.**
CALGARY, ALBERTA, CANADA

PROCESSING DATE - APRIL. 1985

PROCESSED FOR:
PETRO-CANADA RESOURCES
CALGARY, ALBERTA

AREA: LAC A JACQUES

LINE: 8701

LOC: 96M-106P

S.P.: 101 - 221

STRUCTURE SECTION

NORMAL POLARITY

## ACQUISITION PARAMETERS

SOURCE TYPE: DYNAMITE
SOURCE INTERVAL: 1 SHOT
SOURCE: 1 SHOT/SINGLE HOLE
SOURCE SIZE: 4 X 40 KG.
SPREAD: 1240
(DIST) 1984 M --- 55 M --- X --- 55 M --- 1984 M

SHOOTING DIRECTION: SE -> NW
GROUP INTERVAL: 55 M
GROUP: 40 GEOPHONES, 5 X 8 OVER 66 M
DEPTH: 20 M
CHARGE DEPTH: 15.25 M

## RECORDING PARAMETERS

RECORDED BY: GEOSCOP DELTA UNITED PTY SSU
RECORDING SYSTEM: DFS IV
RECORDING FORMAT: SEGD
RECORDING FILTER: 12-128 HZ. NOTCH OUT

DATE: FEBRUARY-1985
SAMPLE RATE: 2 MS.
RECORD LENGTH: 6 SEC.
GEOPHONE TYPE: GEOSOURCE 10 HZ.

## PROCESSING HISTORY

1. DEMULTIPLEX/DISPLAY/EDIT
   OUTPUT SAMPLE RATE: 2 MS.
   OUTPUT RECORD LENGTH: 3 SEC.
2. AMPLITUDE RECOVERY
   TYPE: SPHERICAL DIVERGENCE
3. DECONVOLUTION
   TYPE: SPIKING
   OPERATOR: 200 MS.
   DESIGN WINDOW: (NEAR OFFSET): 300 - 1800 MS.
   DESIGN WINDOW: (FAR OFFSET): 300 - 1800 MS.
   APPLY WINDOW: 300 - 3000 MS.
   OPERATOR LENGTH: 58 MS.
   PREWHITENING: 1%
4. CDP TRACE GATHER
5. VELOCITY ANALYSIS
   TYPE: COHERENCY SPECTRA AND COMMON OFFSET STACKS
6. NORMAL MOVEOUT APPLICATION
   TYPE: MID PROJ SURFACE
   VELOCITY FUNCTION AT SP 113

| TIME(MS) | VRMS(M/SEC) | VINT(M/SEC) |
|---|---|---|
| [illegible] | [illegible] | [illegible] |

   VELOCITY FUNCTION AT SP 178

| TIME(MS) | VRMS(M/SEC) | VINT(M/SEC) |
|---|---|---|
| [illegible] | [illegible] | [illegible] |

7. DRIFT CORRECTIONS
   DATUM: 300 M. ASL
   REPLACEMENT VELOCITY: 5500 M/SEC.
8. AUTOMATIC SURFACE CONSISTENT STATICS
   WINDOW: 300 - 800 MS.
9. AUTOMATIC TRIM STATICS
   WINDOW: 250 - 500 MS.
10. FILTER APPLICATION
    TYPE: ZERO-PHASE BANDPASS
    PASSBAND: 24-25 - 80-90
    DOMAIN: FREQUENCY
    TYPE: 0 - 2000 MS.
11. TRACE MUTING
    OFFSET(M) 530 1060 1984
    TIME(MS) 0 500 800
12. CDP STACKING
    STACKING FOLD: 1200%
13. SCALING
    TYPE: AGC 300 MS. WINDOW
14. DISPLAY TO FILM
    VERTICAL PLOTTING SCALE: 7.5 INCHES/SEC.
    HORIZONTAL PLOTTING SCALE: 24 TRACES/INCH