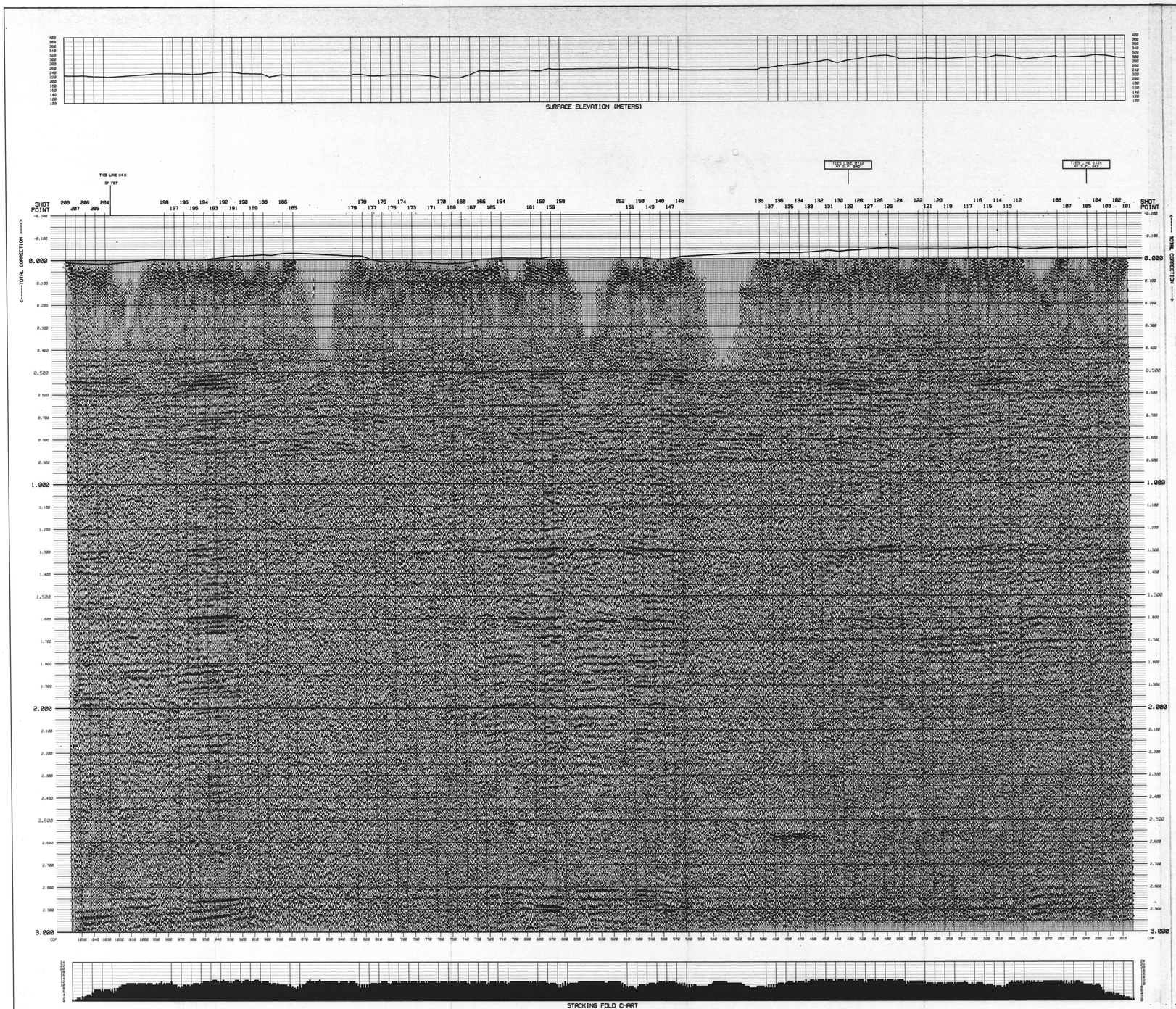

SOUTHEAST

Pulsonic GEOPHYSICAL LTD.
CALGARY ALBERTA CANADA

PROCESSING DATE - APRIL. 1985

PROCESSED FOR:
PETRO-CANADA RESOURCES
CALGARY, ALBERTA

AREA: LAC A JACQUES

LINE: 8703

LOC: 96M-106P

S.P.: 101 - 208

STRUCTURE SECTION

NORMAL POLARITY

ACQUISITION PARAMETERS

SOURCE TYPE: DYNAMITE
SOURCE INTENSITY: 150 #
SOURCE PATTERN: 1 SINGLE HOLE
CHARGE SIZE: 9 # ANFO
SPREAD TYPE: 48
(2025ft) 1584 ft <--- 33 ft ---> X <--- 33 ft ---> 1584 ft

SHOOTING DIRECTION: NE -> SW
GROUP INTERVAL: 33 ft
GEOPHONE PATTERN: 12 OVER 66 ft
CHARGE DEPTH: 15 ft
SHOT INTERVAL: 66 ft

RECORDING PARAMETERS

RECORDED BY: GEOCON DELTA UNITED PTY SSZ
RECORDING SYSTEM: SDS 24
RECORDING TYPE: DIGITAL SEISMIC
RECORDING FILTER: 12-128 HZ. NOTCH OUT

DATES: FEBRUARY.1985
FORMAT: SEGD
SAMPLE RATE: 2 MS
GEOPHONE TYPE: GEOSOURCE 10 HZ.

PROCESSING HISTORY

1. DEMULTIPLEX/DISPLAY/EDIT
   OUTPUT SAMPLE RATE: 2 MS.
   OUTPUT RECORD LENGTH: 7 SEC.
2. AMPLITUDE RECOVERY
   TYPE: SPHERICAL DIVERGENCE
3. DECONVOLUTION
   TYPE: OPTIMUM
   DESIGN WINDOW: 1000 - 3000 MS.
   DESIGN FILTER 1 (NEAR OFFSET): 300 - 1800 MS.
   DESIGN FILTER 2 (FAR OFFSET): 300 - 1800 MS.
   APPLICATION WINDOW: 1 - 3000 MS.
   OPERATOR: 60 MS.
   PREWHITENING: 1 %
4. CDP TRACE GATHER
5. VELOCITY ANALYSIS
   TYPE: COHERENCY SPECTRA AND COMMON OFFSET STACKS
6. NORMAL MOVEOUT APPLICATION
   TYPE: NMO FROM SURFACE
   VELOCITY FUNCTION AT SP 115

TIME(MS.)	AMMAX(MS.)	CONFM(MS.)
0	0	0
1000	1000	1000
2000	2000	2000
3000	3000	3000

   VELOCITY FUNCTION AT SP 164

TIME(MS.)	AMMAX(MS.)	CONFM(MS.)
0	0	0
1000	1000	1000
2000	2000	2000
3000	3000	3000

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
    TRANSMISSION BANDS: 8/16
    COMMON: FREQUENCY
    TIME: 0 - 3000 MS.
11. TRACE MUTING
    OFFSET(M): 500 500 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: 3.5 INCHES/SEC.
    HORIZONTAL PLOTTING SCALE: 3.5 TRACES/INCH.

terra
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Telex 053-3502
Cable: TERRA

PROJ. NO. 9229-P28-4E

LINE NO. 8703

PART NO. 1 OF 1

R.R. 10X