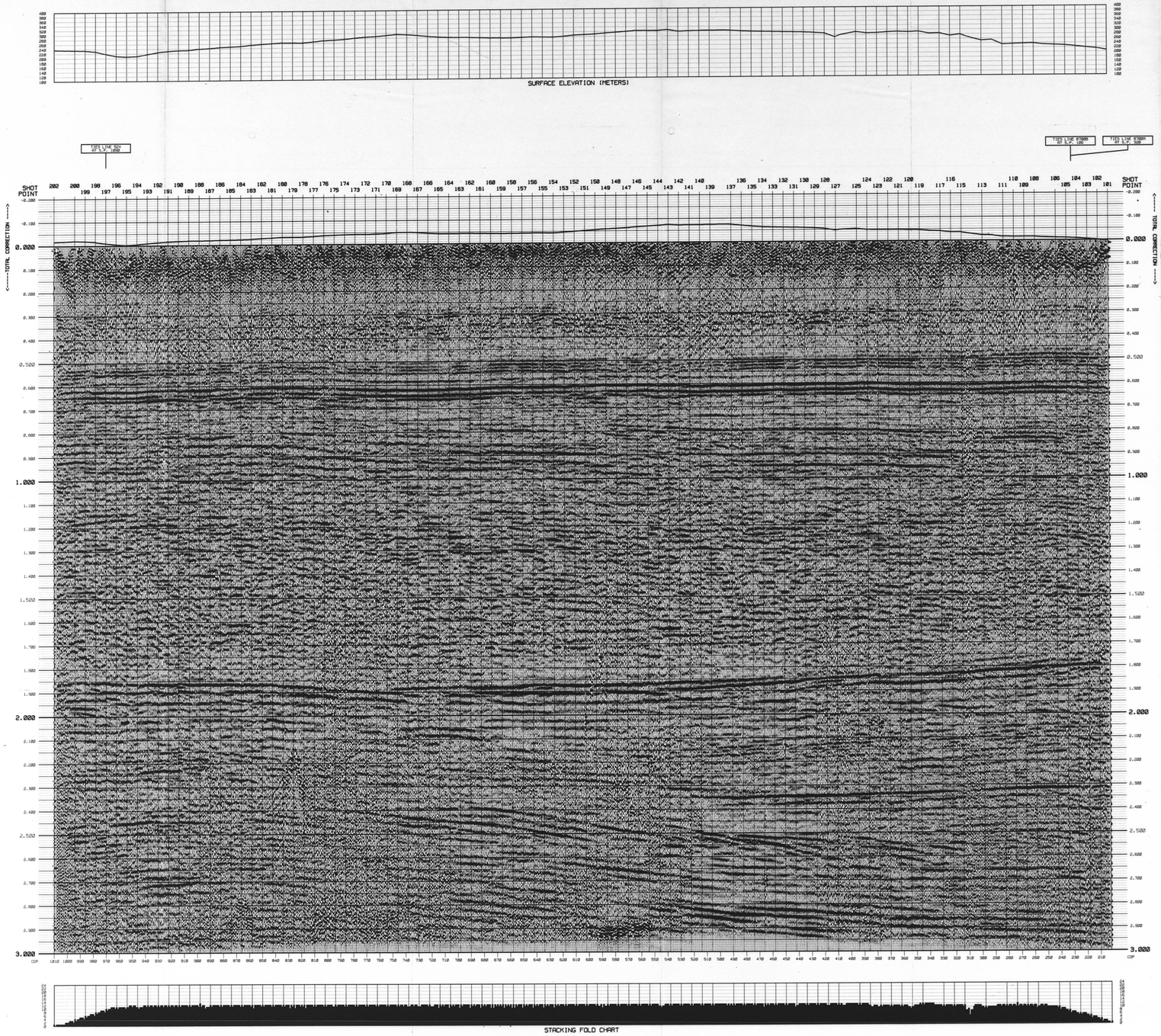

SOUTH

Pulsonic GEOPHYSICAL LTD.
CALGARY ALBERTA CANADA

PROCESSING DATE - APRIL. 1985

PROCESSED FOR:
PETRO-CANADA RESOURCES
CALGARY, ALBERTA

AREA: LAC A JACQUES

LINE: 8713

LOC: 76M-106P

S.P.: 101 - 202

STRUCTURE SECTION

NORMAL POLARITY

ACQUISITION PARAMETERS

SOURCE TYPE: DYNAMITE
SOURCE INTERVAL: 130 M
SOURCE PATTERN: 1 SINGLE HOLE
SOURCE DEPTH: 4.0 M.
SPREAD TYPE: 48
(SPREAD) 1584 M --- 33 M --- X --- 33 M --- 1584 M

SHOOTING DIRECTION: S -> N
GROUP INTERVAL: 33 M.
SHOT HOLE DEPTH: 8 OVER 66 M
SURFACE ELEVATION: 1 M
48 96
DEPTH: 1 M

RECORDING PARAMETERS

RECORDED BY: GEISCOR DELTA UNITED PTY 552
RECORDING SYSTEM: DELTA
RECORDING FORMAT: SEG-B
RECORDING FILTER: 12-128 HZ. NOTCH OUT

DATE: FEBRUARY, 1985
SAMPLE RATE: 2 MS.
RECORD LENGTH: 5 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: 1 (NEAR OFFSET): 300 - 1800 MS.
   DESIGN WINDOW: 2 (FAR OFFSET): 800 - 1800 MS.
   DESIGN WINDOW: 1 OR 2 = 3000 MS.
   OPERATOR LENGTH: 64 PA.
   PREWHITENING: 1.%
4. **CDP TRACE GATHER**
5. **VELOCITY ANALYSIS**
   TYPE: COHERENCY SPECTRA AND COMMON OFFSET STACKS
6. **NORMAL MOVEOUT APPLICATION**
   TYPE: MID FROM SURFACE

VELOCITY FUNCTION AT SP 125			VELOCITY FUNCTION AT SP 176		
TIME(MS.)	VRMS(M./SEC.)	VINT(M./SEC.)	TIME(MS.)	VRMS(M./SEC.)	VINT(M./SEC.)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

7. **DRIFT CORRECTIONS**
   DATUM: 300 M. ASL
   REPLACEMENT VELOCITY: 5500 M/SEC.
8. **AUTOMATIC SURFACE CONSISTENT STATICS**
   WINDOW: 250 - 110 MS.
9. **AUTOMATIC TRIM STATICS**
   WINDOW: 250 - 1100 MS.
10. **FILTER APPLICATION**
    TYPE: ZERO PHASE BANDPASS
    PASSBAND: 20-25 - 80-90
    DOMAIN: FREQUENCY
    TIME: 0 - 3000 MS.
11. **TRACE MUTING**

OFFSET(M)	936	1320	1584
TIME(MS.)	0	320	656

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/IN.

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Telex: 053-3602 Cable: TERRA
PROJ. NO. 9229-P28-4E
LINE NO. 8713
PART NO. 1 OF 1
R.R. 10X