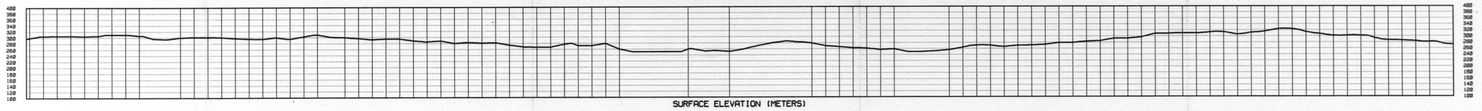

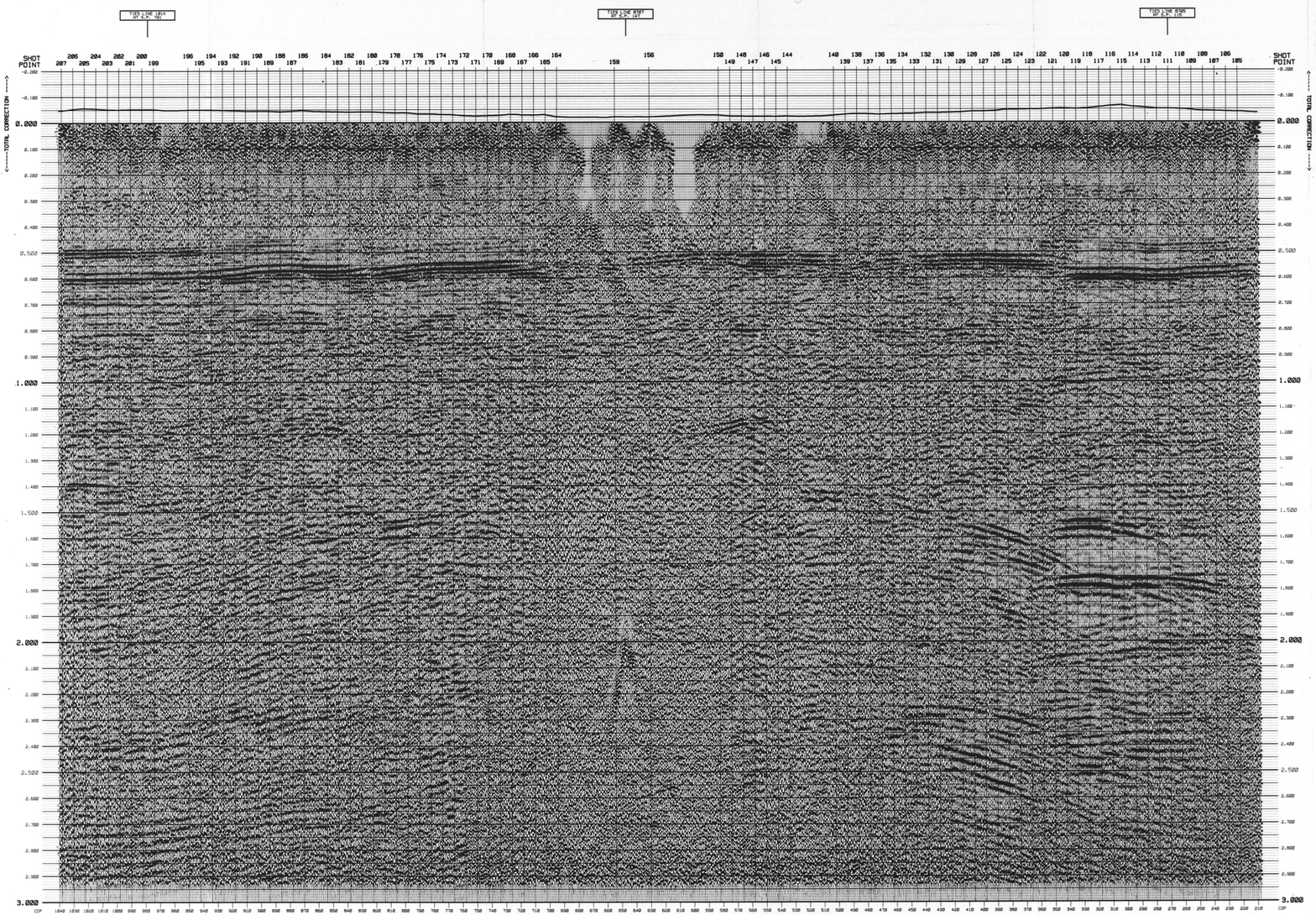

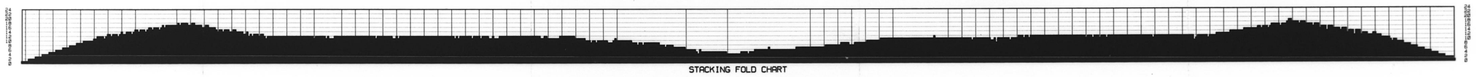

EAST

Pulsonic GEOPHYSICAL LTD.
CALGARY, ALBERTA, CANADA

PROCESSING DATE - APRIL, 1985

PROCESSED FOR:
PETRO-CANADA RESOURCES
CALGARY, ALBERTA

AREA: LAC A JACQUES

LINE: 8706

LOC: 96M

S.P.: 103 - 207

STRUCTURE SECTION

NORMAL POLARITY

ACQUISITION PARAMETERS

SOURCE TYPE: DYNAMITE
SOURCE ACTUAL: 1 SHOT
SOURCE DEPTH: 1 SINGLE HOLE
CHARGE SIZE: 7 X 2 KG.
SPREAD: (OFF) 1584 M ---- 99 M ---- X ---- 99 M ---- 1584 M

SHOOTING DIRECTION: E -> W
SOURCE STATION: 2 X 2
GEOPHONE PATTERN: 12 X 1 OVER 66 M
GEOPHONE DEPTH: 1.25 M

RECORDING PARAMETERS

RECORDED BY: SEISCOM DELTA UNITED PTY LTD
RECORDING SYSTEM: SDS 33
RECORDING LENGTH: 6 SECONDS
RECORDING FILTER: 12-128 HZ. NOTCH OUT

DATES: DECEMBER, 1984
SAMPLE RATE: 2 MS
SAMPLE RATE: 2 MS
GEOPHONE TYPE: GEOSOURCE 18 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: SPIKING
   OPERATOR: 160 MS.
   DESIGN WINDOW: 1 (WEAK OFFSET): 300 - 1800 MS.
   DESIGN WINDOW: 2 (FAR OFFSET): 300 - 1800 MS.
   PREDICTION DISTANCE: 14 MS.
   OPERATOR LENGTH: 160 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 105			VELOCITY FUNCTION AT SP 127		
TIME(MS.)	AMMOUN.(MSEC.)	VINT(M./SEC.)	TIME(MS.)	AMMOUN.(MSEC.)	VINT(M./SEC.)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

VELOCITY FUNCTION AT SP 158			VELOCITY FUNCTION AT SP 202		
TIME(MS.)	AMMOUN.(MSEC.)	VINT(M./SEC.)	TIME(MS.)	AMMOUN.(MSEC.)	VINT(M./SEC.)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

7. DRIFT CORRECTIONS
   DATUM: 300 M. MSL
   REPLACEMENT VELOCITY: 5500 M/SEC.
8. AUTOMATIC SURFACE CONSISTENT STATICS
   WINDOW: 500 - 1800 MS.
9. AUTOMATIC TRIM STATICS
   WINDOW: 500 - 1100 MS.
10. FILTER APPLICATION
    TYPE: ZERO PHASE BANDPASS
    FREQUENCY: 5-8-50-60
    COMMON FREQUENCY:
    TIME: 0 - 3000 MS.
11. TRACE MUTING
    OFFSET(M) 538 1058 1584
    TIME(MS.) 0 300 600
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.

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

PROJ. NO. 9229-P28-4E

LINE NO. 8706

PART NO. 1 OF 1

R.R. 10X