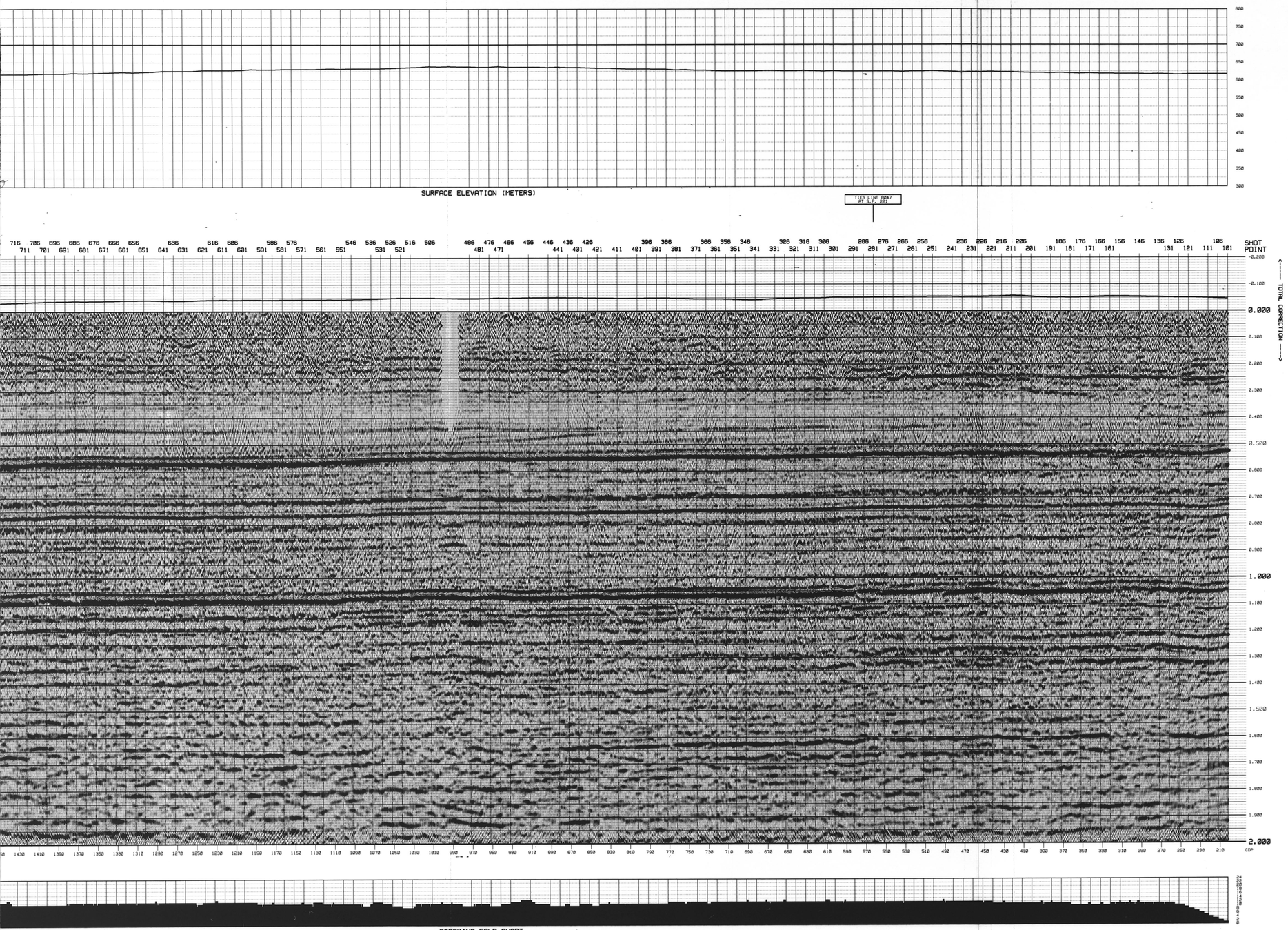


9229-228-84

NORTHEAST

Pulsonic GEOPHYSICAL LTD.
CALGARY ALBERTA CANADA

PROCESSING DATE - MAY, 1985

PROCESSED FOR:
PETRO-CANADA
CALGARY, ALBERTA

AREA: ISLAND RIVER

LINE: 8046

LOC: 95A

S.P.: 101 - 861

MIGRATED SECTION

NORMAL POLARITY

ACQUISITION PARAMETERS

SOURCE TYPE: DYNAMITE
SOURCE SIZE: 1 X 2 KG.
SOURCE PATTERN: 1 SINGLE HOLE
CHARGE SIZE: 1 X 2 KG.
SPREAD: (TR) 1 60
(DIST) 1500 M --- 25 M --- X --- 25 M --- 1500 M

SHOOTING DIRECTION: NE -> SW
GEOPHONE PATTERN: 1 SINGLE
GEOPHONE PATTERN: 8 OVER 25 M
CHARGE DEPTH: 18 M
51 100

RECORDING PARAMETERS

RECORDED BY: ENERTEC GEOPHYSICAL PTY LTD
RECORDING SYSTEM: DFS V.
RECORD LENGTH: 4 SECONDS
RECORDING FILTER: 12-128 HZ. NOTCH OUT

DATE: MARCH, 1985
FORMAT: SEGD
SAMPLE RATE: 2 MS.
GEOPHONE TYPE: MARK L25 14 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
   DOMAIN: TIME
   DESIGN WINDOW 1 (NEAR OFFSET): 300 - 1300 MS.
   DESIGN WINDOW 2 (FAR OFFSET): 1000 - 1700 MS.
   DESIGN WINDOW 3 (NEAR OFFSET): 1500 - 1700 MS.
   DESIGN WINDOW 4 (FAR OFFSET): 1500 - 1700 MS.
   APPLICATION WINDOW 1: 0 - 1100 MS.
   APPLICATION WINDOW 2: 1100 - 3000 MS.
   OPERATOR LENGTH: 80 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 146

TIME(MS.)	VRMS(M./SEC.)	VINT(M./SEC.)
50	1500	1500
250	1500	1500
1000	1500	1500
1500	1500	1500
2000	1500	1500

   VELOCITY FUNCTION AT SP 301

TIME(MS.)	VRMS(M./SEC.)	VINT(M./SEC.)
50	1500	1500
250	1500	1500
1000	1500	1500
1500	1500	1500
2000	1500	1500

   VELOCITY FUNCTION AT SP 446

TIME(MS.)	VRMS(M./SEC.)	VINT(M./SEC.)
50	1500	1500
250	1500	1500
1000	1500	1500
1500	1500	1500
2000	1500	1500

   VELOCITY FUNCTION AT SP 601

TIME(MS.)	VRMS(M./SEC.)	VINT(M./SEC.)
50	1500	1500
250	1500	1500
1000	1500	1500
1500	1500	1500
2000	1500	1500

   VELOCITY FUNCTION AT SP 746

TIME(MS.)	VRMS(M./SEC.)	VINT(M./SEC.)
50	1500	1500
250	1500	1500
1000	1500	1500
1500	1500	1500
2000	1500	1500

7. DRIFT CORRECTIONS
   DATUM: 700 M. ASL
   REPLACEMENT VELOCITY: 3000 M/SEC.
8. AUTOMATIC SURFACE CONSISTENT STATICS
   WINDOW: 400 - 1700 MS.
9. AUTOMATIC TRIM STATICS
   WINDOW: 400 - 1700 MS.
10. FILTER APPLICATION
    TYPE: ZERO PHASE BANDPASS
    PASSBAND: 10-15 - 60-70
    DOMAIN: FREQUENCY
    TIME: 0 - 3000 MS.
11. TRACE MUTING
    OFFSET(M) 200 1000 1500
    TIME(MS.) 0 500 1000
12. CDP STACKING
    STACKING FOLD: 1200%
13. MIGRATION
    DOMAIN: TIME
    TYPE: FINITE DIFFERENCE
    VELOCITIES: 90% OF STACKING
14. SCALING
    TYPE: RESIDUAL DECAY ADJUSTMENT
15. DISPLAY TO FILM
    VERTICAL PLOTTING SCALE: 7.5 INCHES/SEC.
    HORIZONTAL PLOTTING SCALE: 36 TRACES/INCH

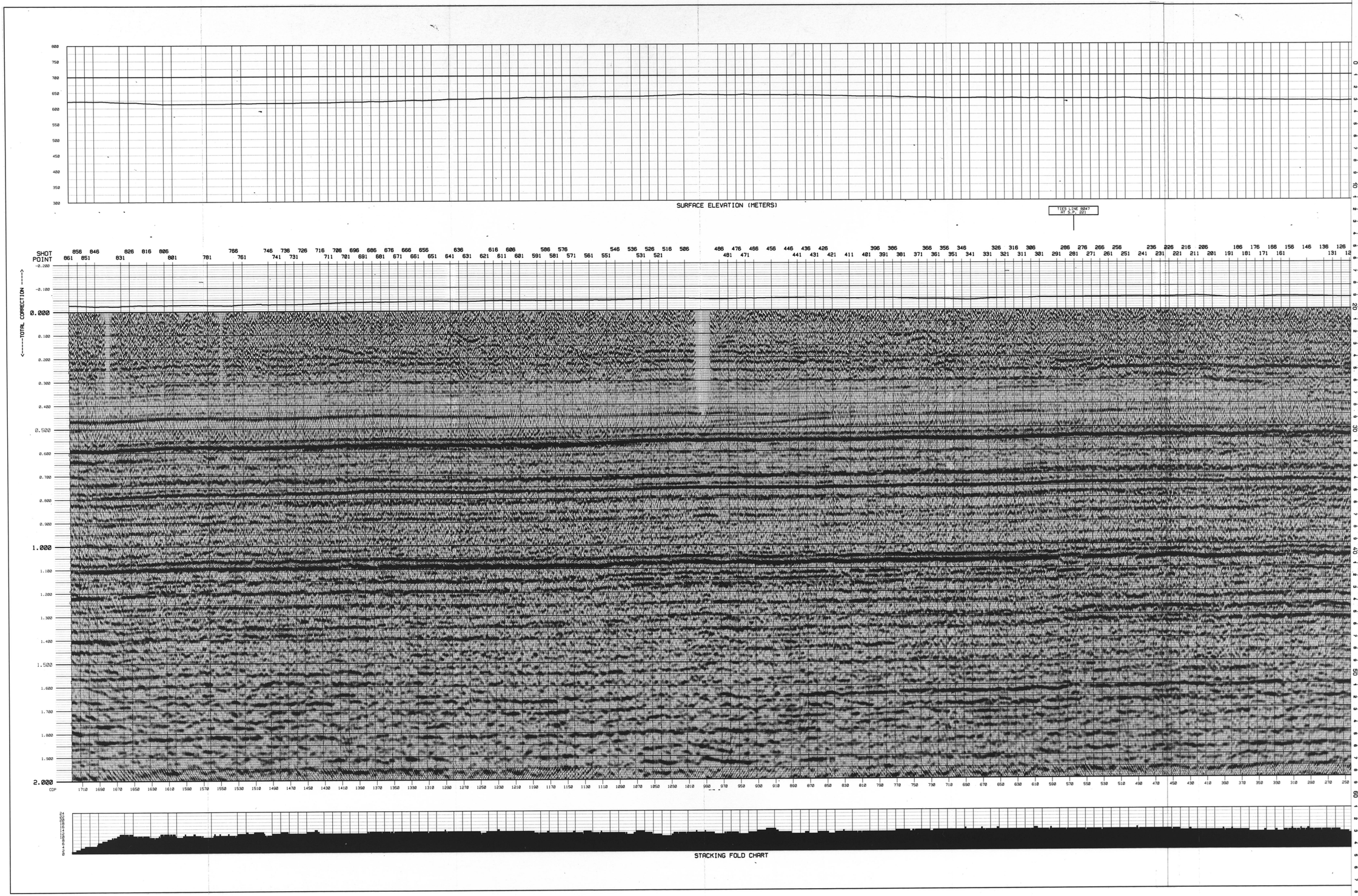
Terra Survey Ltd.
2060 Walley Rd.
Ottawa, Ont.
K1G 3P1
Tel: (613) 731-9571
Telex: 053-3502
Cable: TERRA

PROJ. NO. 9229-P28-8E

LINE NO. 8046

PART NO. 1 OF 2

R.R. 8X



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PROJ. NO. 9 2 2 9 - P 2 8 - 8 E

LINE NO. 8 0 4 6

PART NO. 2 OF 2

R.R. 8X