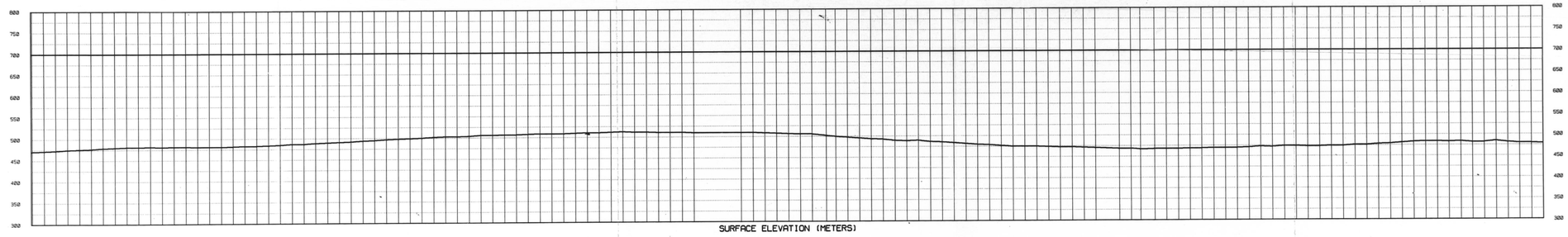

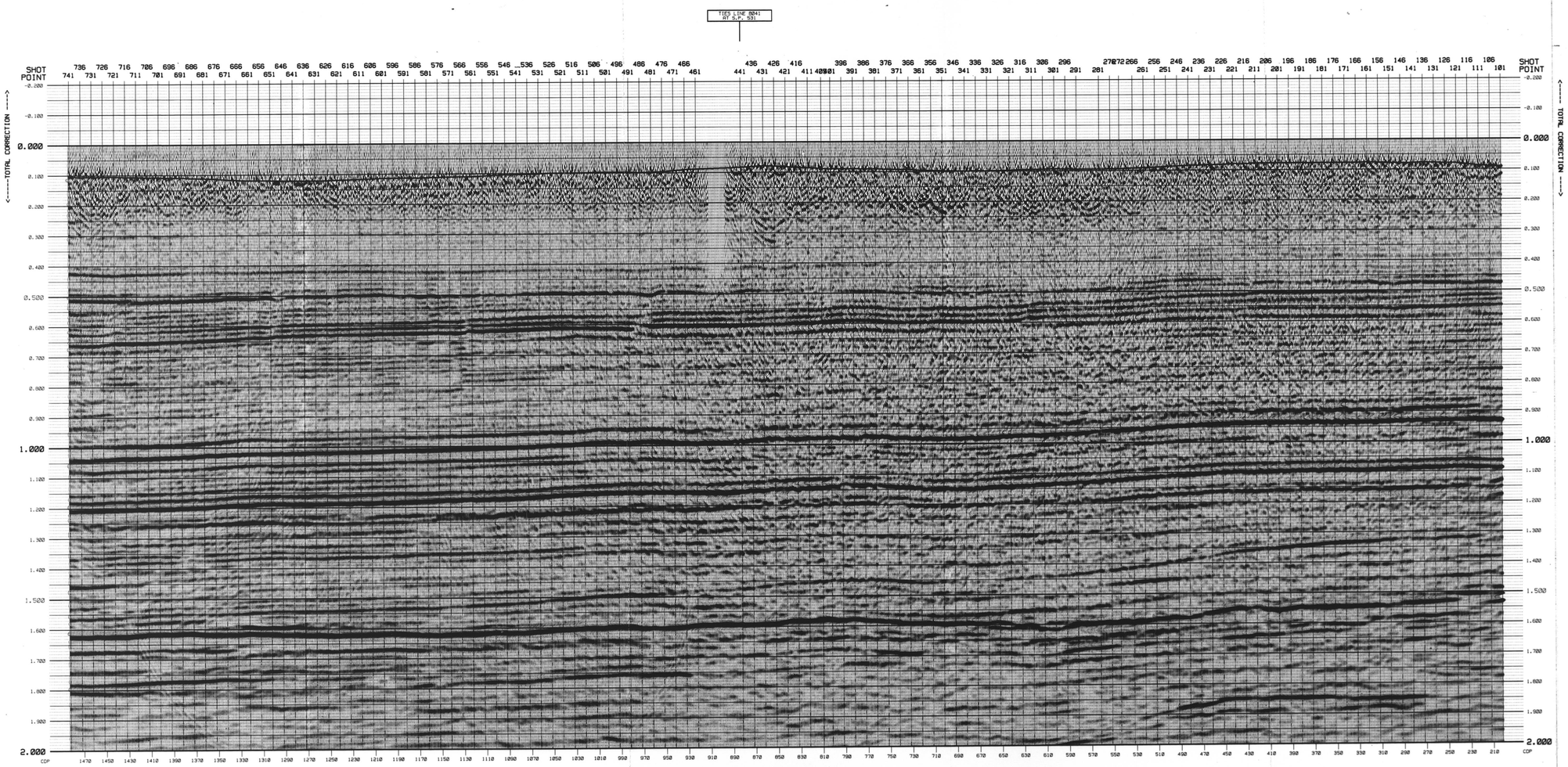

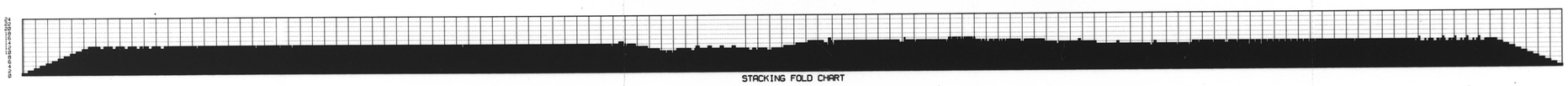

EAST

Pulsonic GEOPHYSICAL LTD.
CALGARY, ALBERTA CANADA

PROCESSING DATE - MAY, 1985

PROCESSED FOR:
PETRO-CANADA
CALGARY, ALBERTA

AREA: ISLAND RIVER

LINE: 8044

LOC: 95A

S.P.: 101 - 741

MIGRATED SECTION

NORMAL POLARITY

ACQUISITION PARAMETERS

SOURCE TYPE: DYNAMITE
SOURCE INTERVAL: 100 M
SOURCE PATTERN: 1 THREE HOLES
CHARGE SIZE: .75 KG.
SPREAD: INT. 60 M
(DIST) 1200 M --- 40 M --- X --- 40 M --- 1200 M

SHOOTING DIRECTION: E -> W
GROUP INTERVAL: 20 M
GEOPHONE PATTERN: 9 OVER 20 M
CHARGE DEPTH: 9 M
61 61 61
158 M

RECORDING PARAMETERS

RECORDED BY: ENERTEC GEOPHYSICAL PTY LTD
RECORDING SYSTEM: SPS-7
RECORD LENGTH: 4 SECONDS
RECORDING FILTER: 18-128 HZ. NOTCH OUT

DATE: FEBRUARY, 1985
FORMAT: SEGB
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: 900 - 1100 MS.
   DESIGN WINDOW 2: NEAR OFFSET: 1600 - 1800 MS.
   DESIGN WINDOW 3: FAR OFFSET: 1500 - 1700 MS.
   DESIGN WINDOW 4: FAR OFFSET: 1750 - 1950 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 236

TIME(MS.)	VRMS(M./SEC.)	VINT(M./SEC.)
50	2000	
500	2000	2000
1000	2100	2200
1500	2300	2700
2000	2500	3200

   VELOCITY FUNCTION AT SP 251

TIME(MS.)	VRMS(M./SEC.)	VINT(M./SEC.)
50	2000	
500	2000	2000
1000	2100	2200
1500	2300	2700
2000	2500	3200

   VELOCITY FUNCTION AT SP 441

TIME(MS.)	VRMS(M./SEC.)	VINT(M./SEC.)
50	2000	
500	2000	2000
1000	2100	2200
1500	2300	2700
2000	2500	3200

   VELOCITY FUNCTION AT SP 551

TIME(MS.)	VRMS(M./SEC.)	VINT(M./SEC.)
50	2000	
500	2000	2000
1000	2100	2200
1500	2300	2700
2000	2500	3200

   VELOCITY FUNCTION AT SP 736

TIME(MS.)	VRMS(M./SEC.)	VINT(M./SEC.)
50	2000	
500	2000	2000
1000	2100	2200
1500	2300	2700
2000	2500	3200

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**
    STN 101 - 416:

OFFSET(M)			
TIME(MS.)	2000 0	2000 400	1200 600

    STN 416 - 741:

OFFSET(M)			
TIME(MS.)	2000 0	2000 400	1200 600

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
2060 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel: (613) 731-1051
Telex: 053-3602 Cable: TERRA

PROJ. NO. 9229-P28-8E

LINE NO. 8044

PART NO. 1 OF 1

R.R. 8X