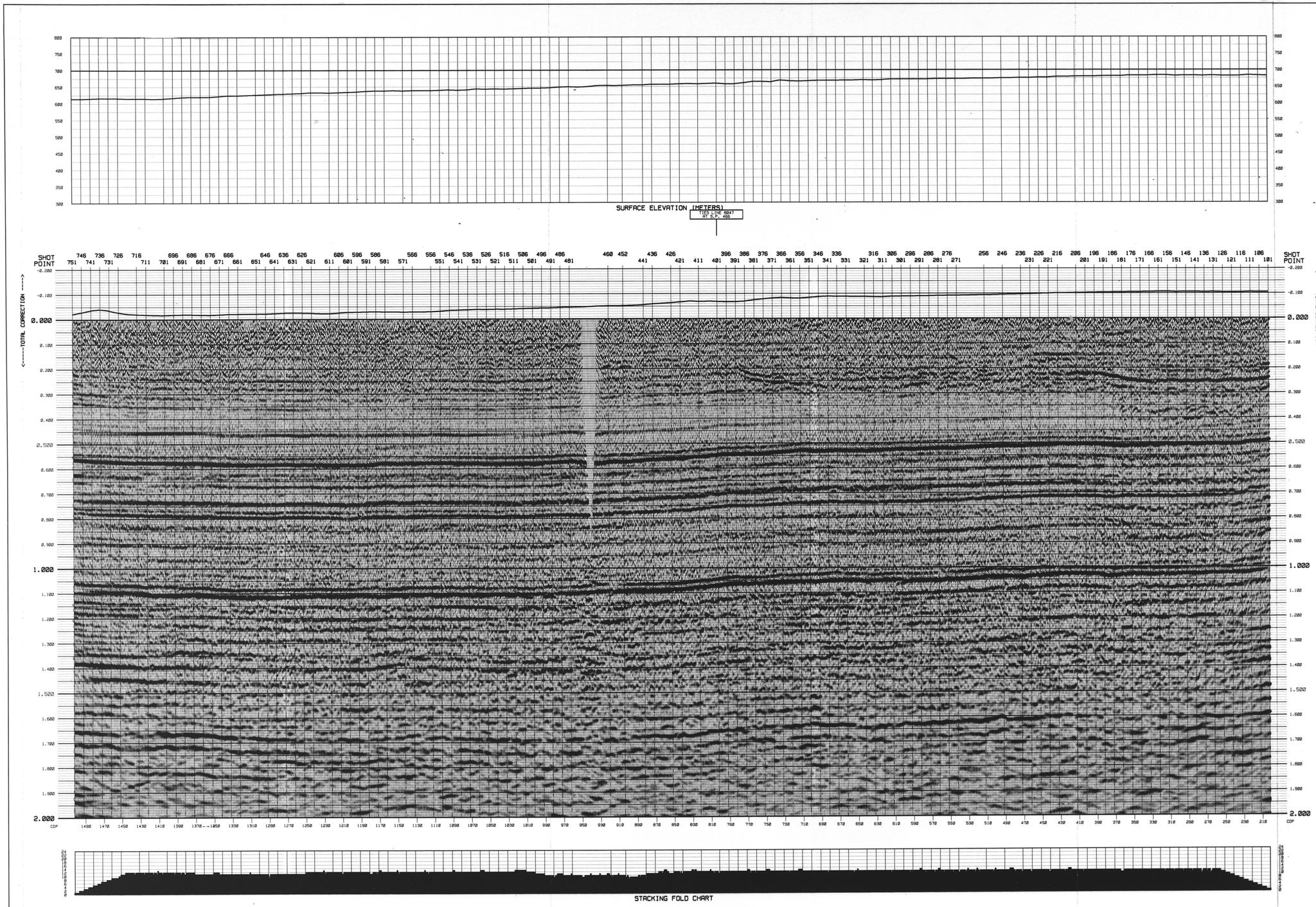

92 29-28-8E

98369

NORTHEAST

Pulsonic GEOPHYSICAL LTD.
CALGARY, ALBERTA CANADA

PROCESSING DATE - MAY, 1985

PROCESSED FOR:
PETRO-CANADA
CALGARY, ALBERTA

AREA: ISLAND RIVER

LINE: 8048

LOC: 95A

S.P.: 101 - 751

MIGRATED SECTION

NORMAL POLARITY

ACQUISITION PARAMETERS

SOURCE TYPE: DYNARITE
SOURCE INTERVAL: 185 M
SOURCE PATTERN: 1 SINGLE HOLE
CHARGE SIZE: 1 X 2 KG.
SPREAD: TYPE: (DIST) 1500 M --- 58 M --- X --- 58 M --- 1500 M

SHOOTING DIRECTION: SW -> NE
GROUP INTERVAL: 25 M
GEOPHONE PATTERN: 8 OVER 25 M
CHARGE DEPTH: 18 M
DRILL: 12

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
FORMT: 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
   OPERATOR LENGTH: 80 MS.
   PREWHITENING: 1 %
   DESIGN WINDOW: (NEAR OFFSET): 350 - 1100 MS.
   DESIGN WINDOW: (FAR OFFSET): 600 - 1700 MS.
   DESIGN WINDOW: (NEAR OFFSET): 1350 - 1750 MS.
   DESIGN WINDOW: (FAR OFFSET): 1550 - 1950 MS.
   APPLICATION WINDOW: 1100 - 1500 MS.
   APPLICATION WINDOW: 1100 - 3000 MS.
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 286: TIME(MS.) VRMS(M./SEC.) VINT(M./SEC.)
   VELOCITY FUNCTION AT SP 371: TIME(MS.) VRMS(M./SEC.) VINT(M./SEC.)
   VELOCITY FUNCTION AT SP 661: TIME(MS.) VRMS(M./SEC.) VINT(M./SEC.)
7. DRIFT CORRECTIONS
   DATUM: 700 M. ASL
   REPLACEMENT VELOCITY: 3000 M/SEC.
8. AUTOMATIC SURFACE CONSISTENT STATICS
   WINDOW: 300 - 1700 MS.
9. AUTOMATIC TRIM STATICS
   WINDOW: 350 - 1500 MS.
10. FILTER APPLICATION
    TYPE: ZERO PHASE BANDPASS
    PASSBAND: 10/15 - 60/70
    DOMAIN: FREQUENCY
    TIME: 0 - 3000 MS.
11. TRACE MUTING
    OFFSET(M) 200 300 1000
    TIME(MS.) 0 300 1000
12. CDP STACKING
    STACKING FOLD: 1200%
13. MIGRATION
    DOMAIN: TIME
    TYPE: FINITE DIFFERENCE
    VELOCITIES: 98% 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) 731-9571
Telex: 053-3502 Cable: TERRA

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

LINE NO. 8 0 4 8

PART NO. 1 OF 1

R.R. 8X