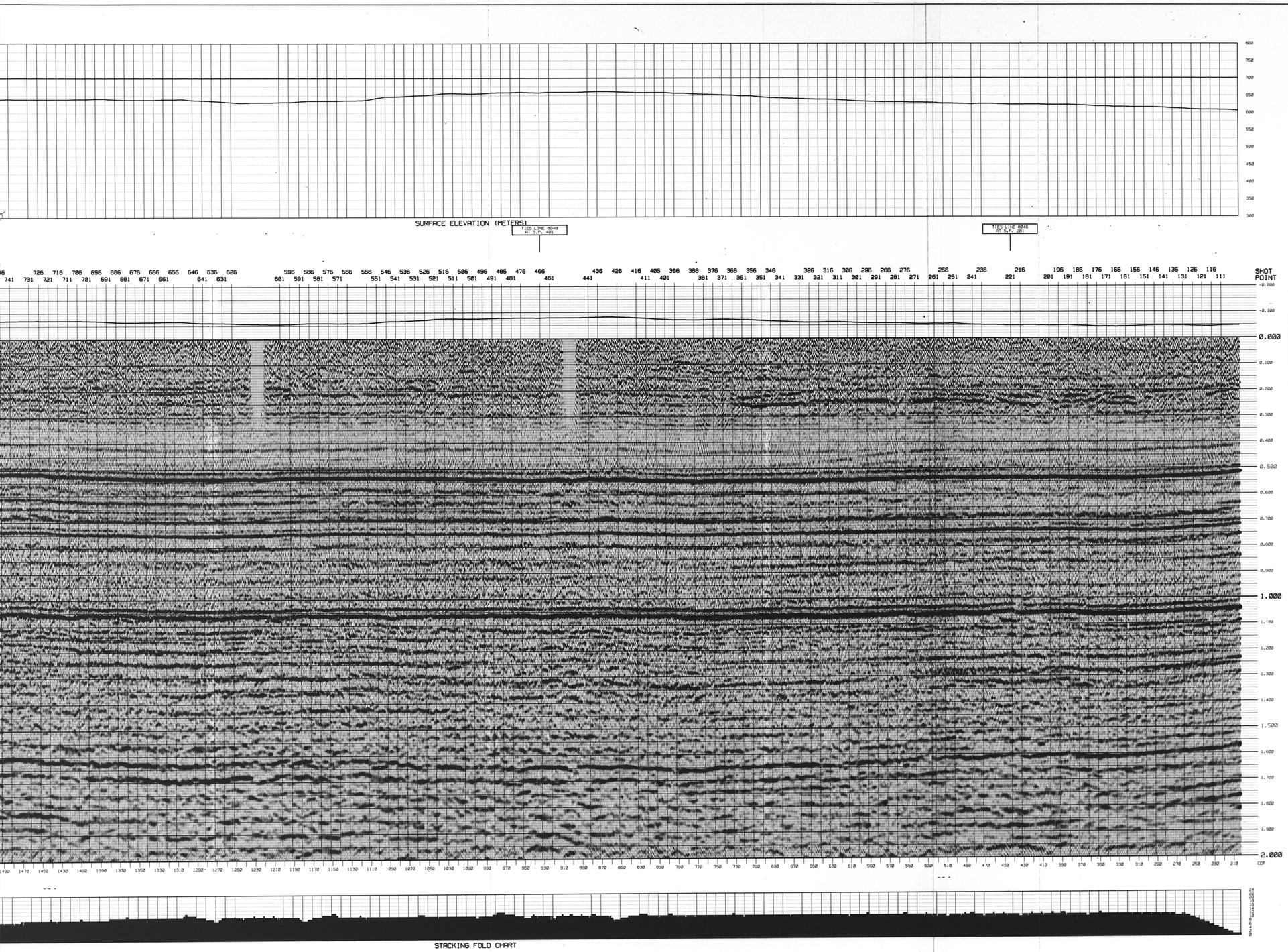

98285

9 2 2 9 - P 2 8 - 8 E

SOUTHEAST

Pulsonic GEOPHYSICAL LTD.
CALGARY ALBERTA CANADA

PROCESSING DATE - MAY. 1985

PROCESSED FOR:
PETRO-CANADA
CALGARY, ALBERTA

AREA: ISLAND RIVER

LINE: 8047

LOC: 95A

S.P.: 102 - 901

MIGRATED SECTION

NORMAL POLARITY

ACQUISITION PARAMETERS

SOURCE TYPE: DYNAMITE
SOURCE ARRAY: 1 STATION
SOURCE PATTERN: 1 SINGLE HOLE
CHARGE SIZE: 1 x 2 KG.
SPREAD:TYP: 60 61 108
:DIST: 1500 M --- 25 M --- X --- 25 M --- 1500 M

SHOOTING DIRECTION: N4 -> SE
GEOPHONE ARRAY: 1 STATION
GEOPHONE PATTERN: 6 OVER 25 M
CHARGE DEPTH: 1.18 M

RECORDING PARAMETERS

RECORDED BY: ENERTEC GEOPHYSICAL PTY 168
RECORDING SYSTEM: DFS V.
RECORD LENGTH: 4 SECONDS
RECORDING FILTER: 12-128 HZ. NOTCH OUT

DATE: MARCH-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): 350 - 1100 MS.
   DESIGN WINDOW 2 (FAR OFFSET): 350 - 1750 MS.
   DESIGN WINDOW 3 (NEAR OFFSET): 1850 - 750 MS.
   DESIGN WINDOW 3 (FAR OFFSET): 1850 - 750 MS.
   APPLICATION WINDOW: 0 - 1100 MS.
   APPLICATION WINDOW 2: 1100 - 3000 MS.
   OPERATOR: 160 MS.
   PREWHITENING: +1.0 %
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 151

TIME(MS.)	VRMS(M./SEC.)	VINT(M./SEC.)
300	2000	
500	2000	
700	2000	2113
900	2000	2188
1100	2000	2263
1300	2000	2338
1500	2000	2413
1700	2000	2488
1900	2000	2563
2100	2100	2655

VELOCITY FUNCTION AT SP 301

TIME(MS.)	VRMS(M./SEC.)	VINT(M./SEC.)
300	2000	
500	2000	
700	2000	2113
900	2000	2188
1100	2000	2263
1300	2000	2338
1500	2000	2413
1700	2000	2488
1900	2000	2563
2100	2100	2655

VELOCITY FUNCTION AT SP 441

TIME(MS.)	VRMS(M./SEC.)	VINT(M./SEC.)
300	2000	
500	2000	
700	2000	2051
900	2000	2126
1100	2000	2201
1300	2000	2276
1500	2000	2351
1700	2000	2426
1900	2000	2501
2100	2100	2593

VELOCITY FUNCTION AT SP 601

TIME(MS.)	VRMS(M./SEC.)	VINT(M./SEC.)
300	2000	
500	2000	
700	2000	2051
900	2000	2126
1100	2000	2201
1300	2000	2276
1500	2000	2351
1700	2000	2426
1900	2000	2501
2100	2100	2593

VELOCITY FUNCTION AT SP 751

TIME(MS.)	VRMS(M./SEC.)	VINT(M./SEC.)
300	2000	
500	2000	
700	2000	2051
900	2000	2126
1100	2000	2201
1300	2000	2276
1500	2000	2351
1700	2000	2426
1900	2000	2501
2100	2100	2593

VELOCITY FUNCTION AT SP 851

TIME(MS.)	VRMS(M./SEC.)	VINT(M./SEC.)
300	2000	
500	2000	
700	2000	2051
900	2000	2126
1100	2000	2201
1300	2000	2276
1500	2000	2351
1700	2000	2426
1900	2000	2501
2100	2100	2593

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): 250 500 1000
    TIME(MS.): 0 350 1000
12. **CDP STACKING**
    STACKING FOLD: 1200%
13. **MIGRATION**
    DOMAIN: TIME
    VELOCITY: TIME DIFFERENCE
    MIGRATION: 40% 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
2080 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 7

PART NO. 1 OF 2

R.R. 8X

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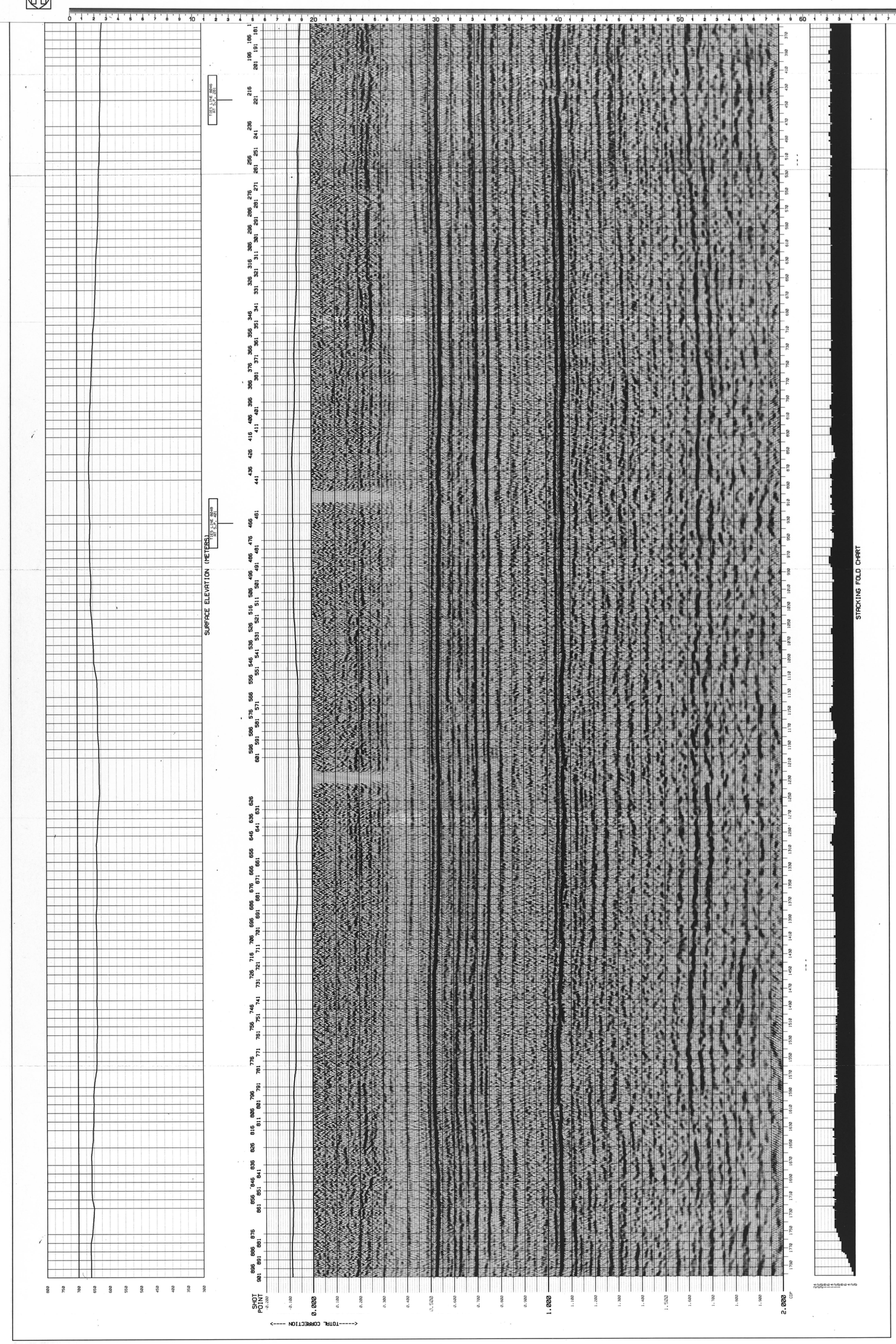
PROJ. NO. 9 2 2 9 - P 2 8 - 8 E LINE NO. 8 0 4 7 PART NO. 2 OF 2 R.R. 8X