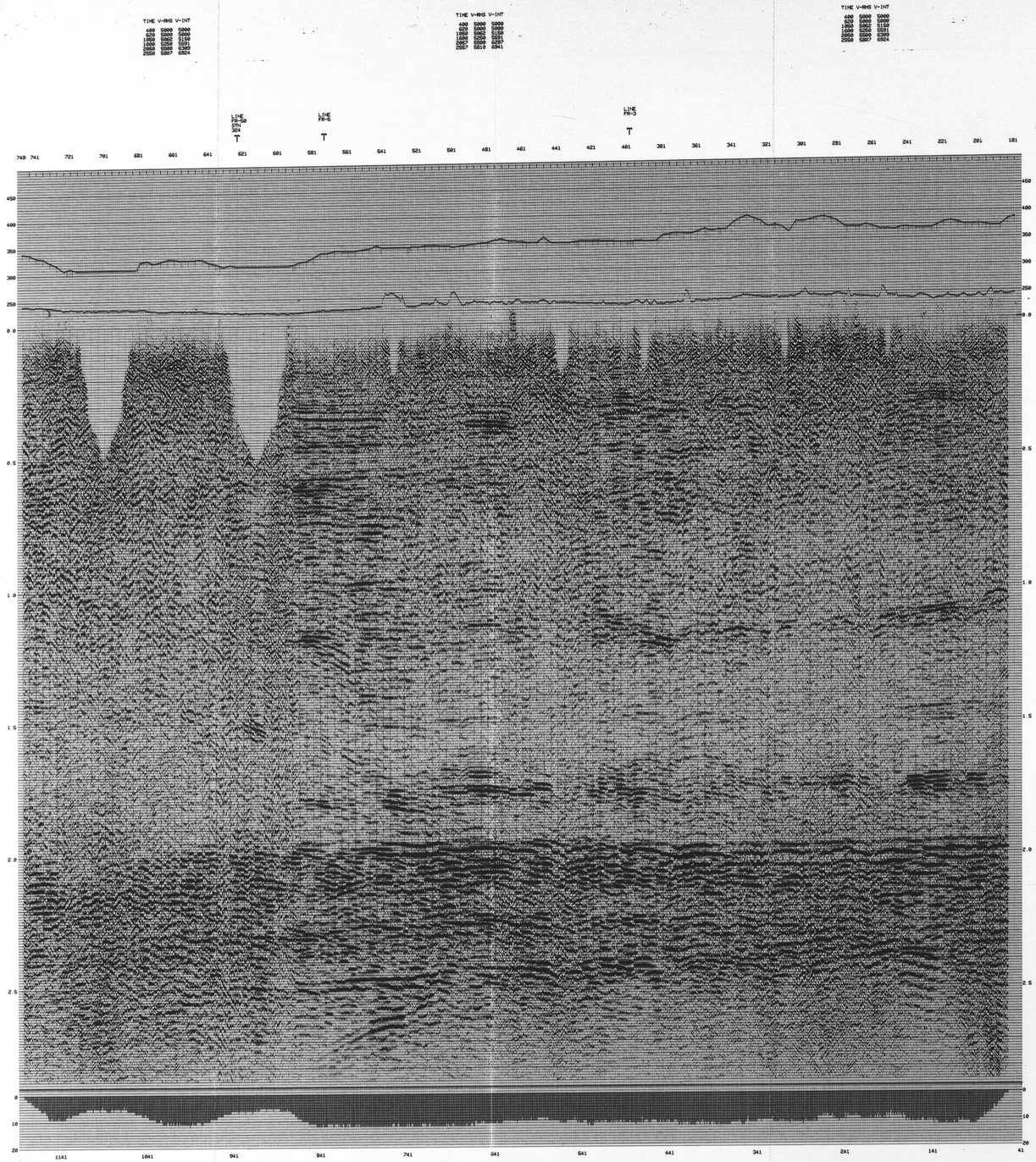
9229-F9-3E

COLVILLE LINE FR-53




**GEO-X SYSTEMS LTD.**
CALGARY · ALBERTA

LINE: FR-53 TYPE: S-NP
DIRECTION ⟶ N. ENHANCED
PROJECT: COLVILLE
LOCATION: N.W.T. 123°-125° E., 66°-67° N.
CLIENT: FORWARD RESOURCES LTD.
PROCESSING MONITORED BY: PETREL CONSULTANTS LTD.

SHOT BY PACER GEOPHYSICAL LTD. DATE: 1/83

SPREAD: 48 x 48, 1632 m. - 54 m. x 54 m. - 1632 m.
SOURCE: DYNAMITE, 1 HOLE @ 2 kg., 10 m. DEPTHS
RECEIVERS: L-28, 14 Hz., 9 OVER 35.5 m.
SOURCE INTERVAL: 108 m. GROUP INTERVAL: 54 m.

AMPLIFIERS: MDS-10 FIELD FILTER: 8/18-125 Hz.
GAIN MODE: TAPE FORMAT: SEG B

FLAG

PROCESSED AT GEO-X DATE: 2/83

1 DIGITAL CONVERSION. SAMPLE RATE: 2 ms.

SURFACE ELEVATIONS

2 AMPLITUDE RECOVERY $At^{1.5}$

PREFILTER

3 DECONVOLUTION. TYPE: SPIKING TIME VARIANT, SLOPING
OPERATOR LENGTH: 60 ms., DESIGN GATE: 200-900 ms.
70 ms. 800-1800 ms.
80 ms. 1700-2700 ms.
PREWHITENING: 3%

SURFACE IN TIME

4 STRUCTURAL CORRECTIONS
DATUM: 305 m. DATUM VELOCITY: 5500 m./sec.
PROCESSING DATUM: 100 ms.
☒ ELEVATIONS ☒ WEATHERING ☒ DRIFT

10 ANALYSIS STATISTICAL SURFACE CONSISTENT STATICS

5 11 MOVEOUT (5) PRELIMINARY (11) FINAL

6 SCALING

7 12 STATICS (7) SURFACE STACK RESIDUAL
(12) CROSS CORRELATION
( )

8 WORK SECTION DISPLAY

9 TRACE KILLS

13 MUTE DISTANCE: (m.) 307 579 1632
TIME: (ms.) 200 300-400 640

14 GATHER FOLD: 12

15 STACK STACK REEL: 050418

16 FILTER (16) 18/25-90/100
( )
( )

18 ADDITIONAL PROCESSING
19 (18) LINEAR RAMP SCALING: 0-0.90, 100-0.70, 300-1.00, 3000-1.00
(19) AMPLITUDE COHERENCY ENHANCEMENT

17 EQUALIZATION 250-2700 ms.

VELOCITY TABULATION FROM PROCESSING DATUM

Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 9229-F09-3E LINE NO. FR-53 PART NO. 1 OF 1 R.R. 10X