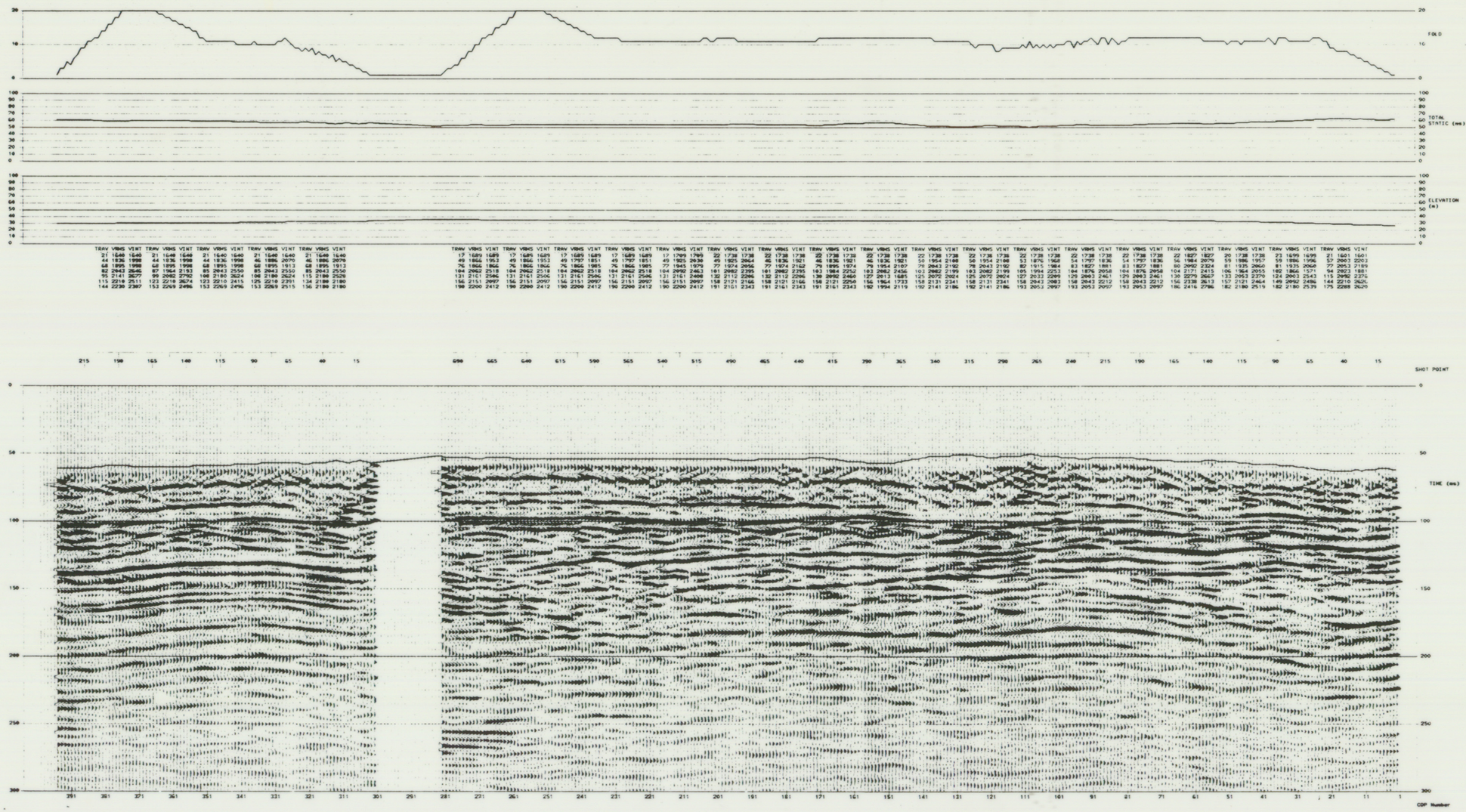


AREA: Shubenacadie, NS

LINE 5: Nelson Hill Road

SP 710 NORTH SP 0
SP 245

REVERSE POLARITY

MIGRATION STACK

FIELD PARAMETERS

Date shot:	Oct., 1994
Instruments:	DYO DAS-1
Filter:	3(72) - OUT, NOTCH OUT
Spread:	24 trace, 5 - 120 m.
Source:	12 gauge
Spacing:	5 m.
Geophones:	50 Hz.
Array:	Single geophone
Spacing:	5 m.

PROCESSING PARAMETERS

Date:	Dec 1994
Trace Edits	
Exponential Scaling	Ansexp(Bel)
Phase Compensation	Geophone response only
Trace Equalization	Surface consistent mean amplitude
Deconvolution	5 component surface consistent
Equalization Scaling	First break region
Trace Gathers	
Structure Statics	Datum 0 m., Vr 1500 m/s.
Residual Statics	Shot - Station, hand picked
Velocity analysis	Semblance
Mute	32m. 22ms., 144m. 85 ms.
Cmp Trim Statics	+/- 3.0 ms.
Stack	12 fold
Filter	60/90 - 200/220 Hz.
Trace Equalization	Mean amplitude scale 10 - 200 ms.
Migration	Kirkhoff Summation

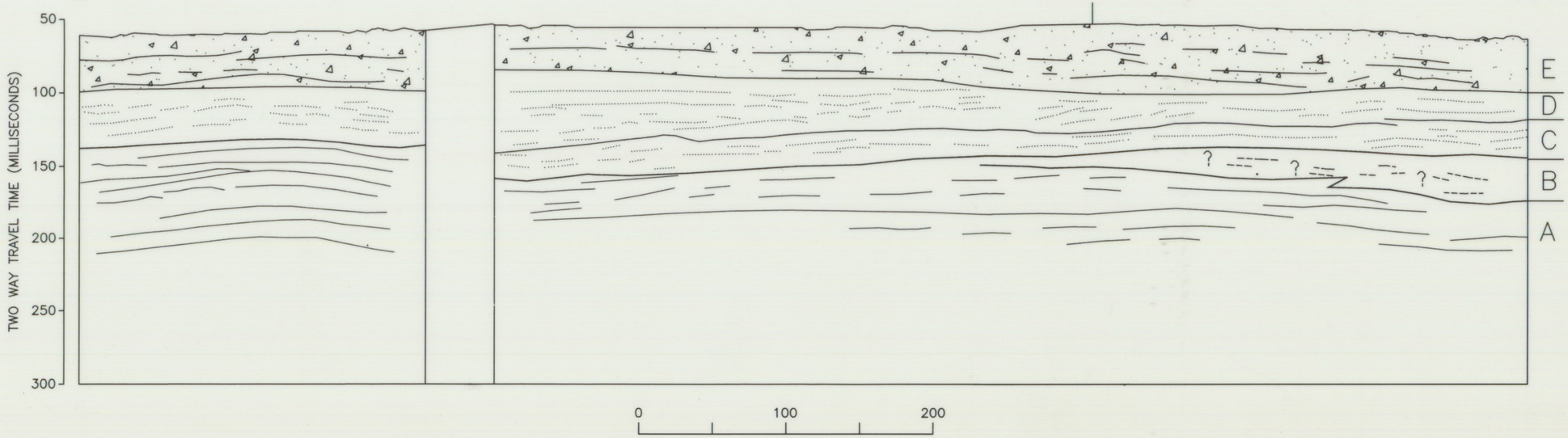
SCALE:
Horizontal 21 Traces/in Vertical 20 in/second

GEOLOGICAL SURVEY OF CANADA

Nova Scotia Department of Natural Resources

Canada-Nova Scotia Mineral Development Agreement

INTERPRETATION



SEISMIC STRATIGRAPHIC INTERPRETATION

SEISMIC SEQUENCE		INTERPRETATION
E		Quaternary drift; till sheets separated by discontinuous gravel layers
D		Quaternary drift; glaciolacustrine varved clay
C		Quaternary drift; glaciofluvial gravel
B		Early Cretaceous sediments; ? silica sand, kaolinitic clay lenses
A		Carboniferous bedrock; limestone