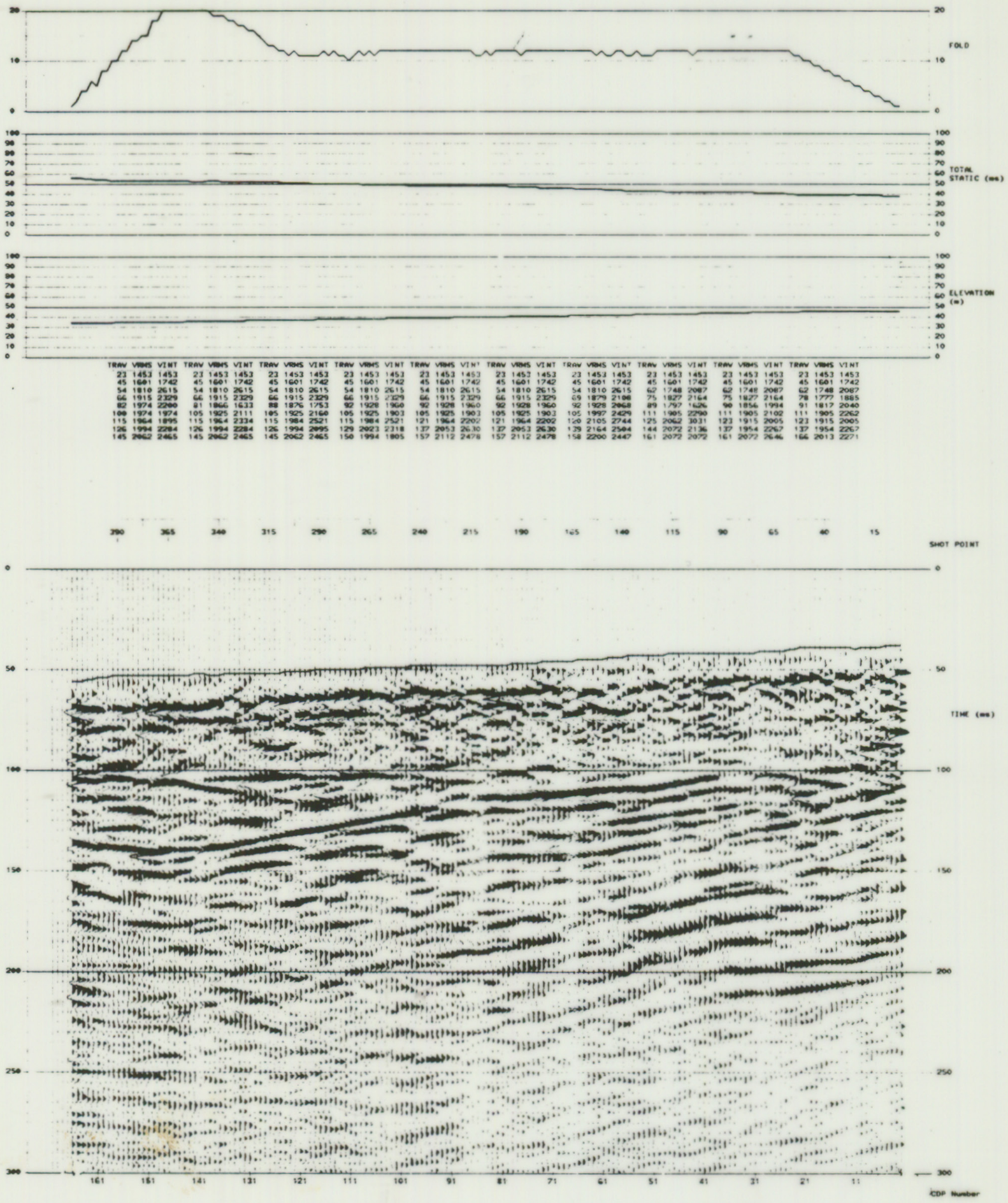


AREA: Shubenacadie, NS

LINE 4: Water tower to drillhole

SP 420 NORTH SP 0

NORMAL POLARITY

MIGRATION STACK

FIELD PARAMETERS

Date shot:	Oct. 1994
Instruments:	OYO 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	Aetexp(Bet)
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.
Cdp Trim Statics	+/- 3.0 ms.
Stack	12 fold
Filter	60/80 - 280/320 Hz.
Trace Equalization	Mean amplitude scale 10 - 200 ms.
Migration	Kirkhoff Summation

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

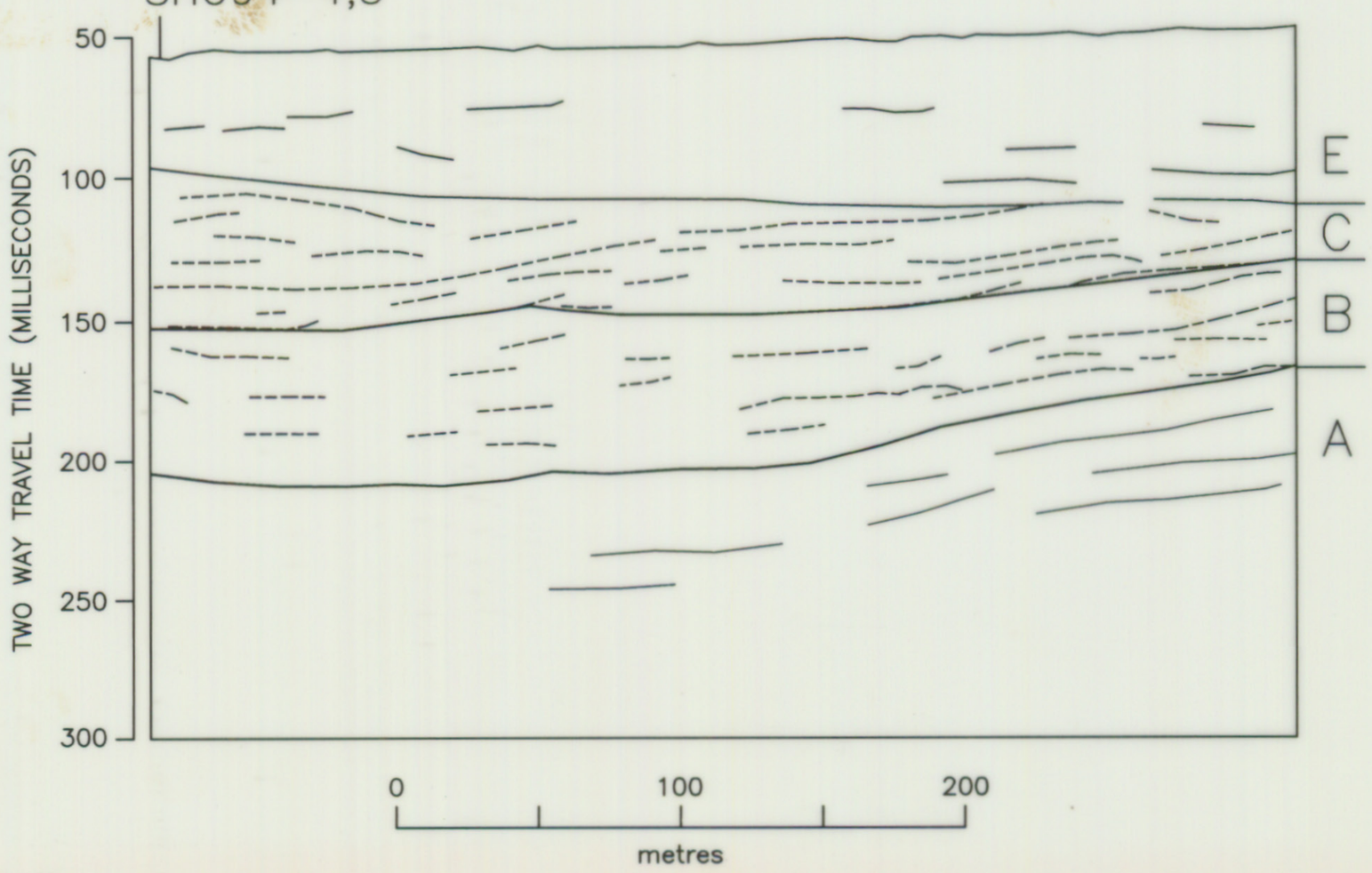
GEOLOGICAL SURVEY OF CANADA

Nova Scotia Department of Natural Resources

Canada-Nova Scotia Mineral Development Agreement

S INTERPRETATION N

SHU94-4,5



SEISMIC STRATIGRAPHIC INTERPRETATION

SEISMIC SEQUENCE	INTERPRETATION
E	Quaternary drift; till sheets
C	Early Cretaceous sediments; lignite, kaolinitic clay
B	Early Cretaceous sediments; silica sand, kaolinitic clay
A	Carboniferous bedrock; limestone, breccia