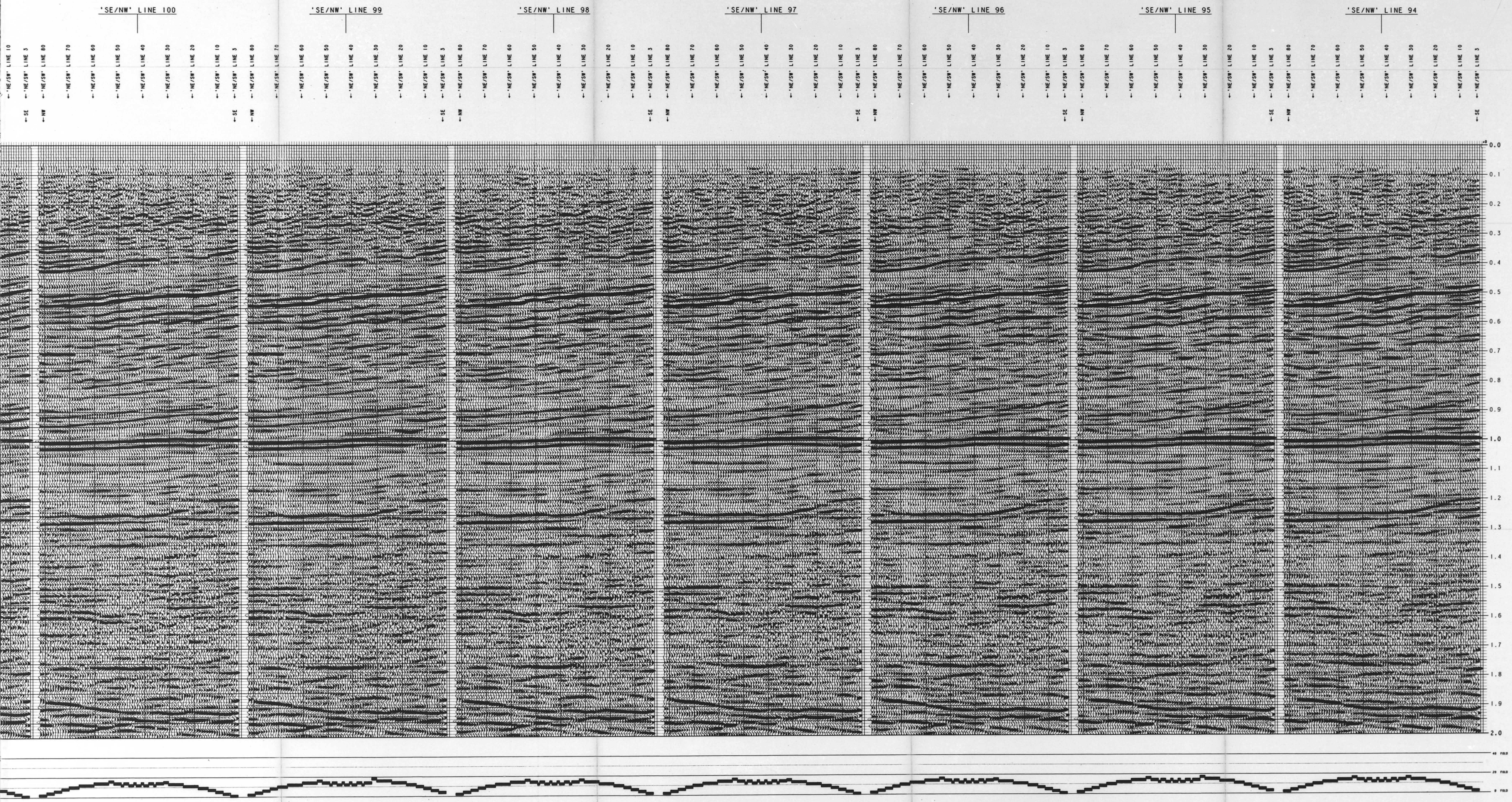
TIME(S)	RMS VEL	DIX INT
0.00	2700	2700
0.26	3480	3480
0.30	3550	3975
0.49	3830	4235
0.71	4500	5717
0.78	4680	6218
0.92	4810	5478
1.02	5030	6724
1.30	5300	6185
1.70	5840	7325
2.00	6000	6836
DATUM CORR=	-4 MS	

VELFHOPE



AREA: FORT GOOD HOPE, N.W.T.
SE/NW LINES 1 - 124 (94 - 124)

MIGRATION
REVERSE POLARITY

SOUTHEAST →

MOBIL OIL CANADA

MIGRATION 88-762
LINES 1 - 124
AREA: FORT GOOD HOPE, N.W.T.

TYPE OF SECTION	MIGRATION
LINE LOCATION	65 DEG. 48' N 129 DEG. 12' W
LINE DIRECTION	(SE----NW)
DATUM PLANE	100 METERS ASL
REPLACEMENT VELOCITY	3600 METERS/SEC

ACQUISITION:

ACQUIRED FOR:	MOBIL OIL CANADA
ACQUIRED BY:	WESTERN GEOPHSICAL
PARTY:	367
RECORDING DATE:	MARCH 1988

SOURCE:

ENERGY SOURCE	VIBROSEIS
SOURCE INTERVAL	50 METERS
SWEEP FREQUENCY	8 - 100 HZ NONLINEAR
SWEEP LENGTH	10.0 SEC
NUMBER OF SWEEPS	12
NUMBER OF VIBRATORS	4
DRAG LENGTH	29.7 METERS

INSTRUMENTS:

MODEL	DFS V
FILTER	OUT - 128 HZ
SAMPLING INTERVAL	2 MSEC
RECORD LENGTH	3.0 SECONDS
TAPE FORMAT	SEG-B
TAPE DENSITY	6250 BPI

RECEIVERS:

TYPE OF GEOPHONE	LRS 1011
GEOPHONE FREQUENCY	-14 HZ
NUMBER OF GEOPHONES PER ARRAY	18 OVER 52.5 M
NUMBER OF GROUPS RECORDED	120 CHANNEL
GROUP INTERVAL	50 METERS
AVERAGE PERCENT COVERAGE	1500 %
PATTERN	4 LINES X 30 RECEIVERS

PROCESSED BY Western Atlas International A Litton/Dresser Company WESTERN GEOPHYSICAL ***CALGARY, ALBERTA***

PROCESSING:

DATE:	MAY 1989

DEMULTIPLEX

PROCESSING SAMPLE RATE	2 MSEC
PROCESSING RECORD LENGTH	13000 MSEC

CORRELATION

CORRELATION WITH SWEEP TO	3000 MSEC

PRE-PROCESSOR
TRACE HEADER UPDATE FOR CELL SORT
VISUAL QC OF RAW RECORDS

AMPLITUDE COMPENSATION
TIME FUNCTION EXPONENTIAL VALUE OF 2.25

DECONVOLUTION

TYPE	MINIMUM PHASE INVERSE FILTER
AUTOCORRELATION WINDOW:	200 - 2200 MSEC
MINIMUM PREDICTIVE DISTANCE	SPIKING 2 MSEC
OPERATOR LENGTH:	80 MSEC
PERCENT WHITE NOISE	.1 %

TRACE EQUALIZATION

TYPE	2000 RMS
WINDOW	200 - 2200 MSEC

GEOPHONE/INSTRUMENT PHASE COMPENSATION

FILTER OPERATOR LENGTH	600 MSEC

DESIGNED BY MOBIL

CELL SORT
25 X 25 METER CELL SIZE

STATICS:(DRIFT & WEATHERING)

METHOD:	MODEL BASED REFRACTION
DATUM ELEVATION:	100 METERS ASL
REPLACEMENT VELOCITY:	3600 METERS/SEC
WEATHERING VELOCITY:	610 METERS/SEC

STATICS CORRECTED FROM SURFACE TO DATUM

STATICS:(AUTOMATIC)
NMO WITH REGIONAL VELOCITY FUNCTION

TYPE (3D MISER®)	AUTOMATIC SURFACE CONSISTENT
GATE	200 - 1200 MSEC
MAXIMUM SHIFT	+ OR - 24 MSEC

RESIDUAL SHOT AND RECEIVER STATICS CORRECTIONS

3-D VELOCITY ANALYSIS

TYPE (VELAN®)	SEMBLANCE

3-D VELOCITY INTERPOLATION

VELOCITY VERIFICATION
COMMON OFFSET STACKS WITH NMO & STATICS APPLIED

STATICS:(AUTOMATIC)
NMO WITH 3D INTERPOLATED VELOCITY FUNCTION

TYPE (3D MISER®)	AUTOMATIC SURFACE CONSISTENT
GATE	200 - 1200 MSEC
MAXIMUM SHIFT	+ OR - 12 MSEC

RESIDUAL SHOT AND RECEIVER STATICS CORRECTIONS

NORMAL MOVEOUT APPLICATION
MUTE APPLIED AFTER N.M.O. :

DISTANCE(METERS)	TIME(MSEC)
220	0
225	200
375	240
600	450
1500	900

DIP MOVEOUT STACK

MAXIMUM DIP	25.0 DEGREES

TIME VARIANT FILTER

FREQUENCY(HZ)	SLOPE(DB/OCT)	TIME(MSEC)
10-90	24/64	1200
10-60	24/64	2100
20-50	24/64	3000

STOLT MIGRATION
2 PASS MIGRATION (1ST PASS NE/SW, 2ND PASS SE/NW)

PERCENT VELOCITY USED	100%

BANDPASS FILTER

FREQUENCY	10 -80 HZ
SLOPES	24/48 DB/OCT

GAIN

TYPE	RMS
WINDOW	300 - 300 MSEC

DISPLAY:

HORIZONTAL SCALE	16.0 TRACES PER INCH
VERTICAL SCALE	7.5 INCHES PER SECOND
PLOTTING GAIN	12 DB

Canada Oil and Gas Lands Administration
Administration du pétrole et du gaz des terres du Canada
MAR 19 1990
Resource Evaluation Branch
Direction de l'Évaluation des Ressources
Project # ________

9229-M3-1E

terra surveys ltd
2060 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 9229-M3-1E LINE NO. 94-124 PART NO. 1 OF 5 R.R. 8X

terra surveys ltd
2060 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 9229-M3-1E

LINE NO. 94-124

PART NO. 2 **OF** 5

R.R. 8X

terra
surveys ltd

2060 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 9229-M3-1E

LINE NO. 94-124

PART NO. 3 **OF** 5

R.R. 8X

terra surveys ltd

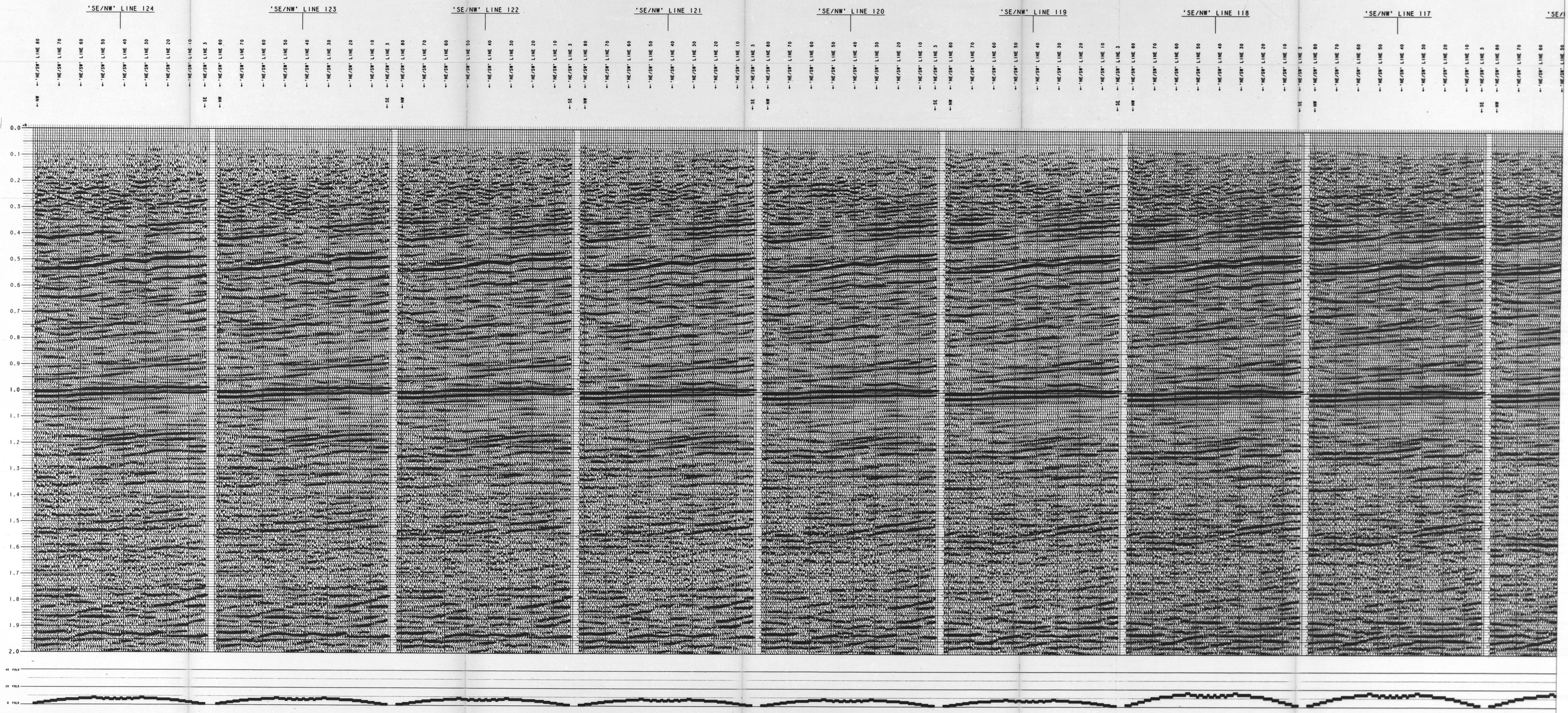
2060 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 9229-M3-1E

LINE NO. 94-124

PART NO. 4 **OF** 5

R.R. 8X



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LINE NO. 94-124

PART NO. 5 **OF** 5

R.R. 8X