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

PROJ. NO. 9 2 2 9 N 1 0 2 E

LINE NO. O S L - 8

PART NO. 1 OF 3

R.R. 10X

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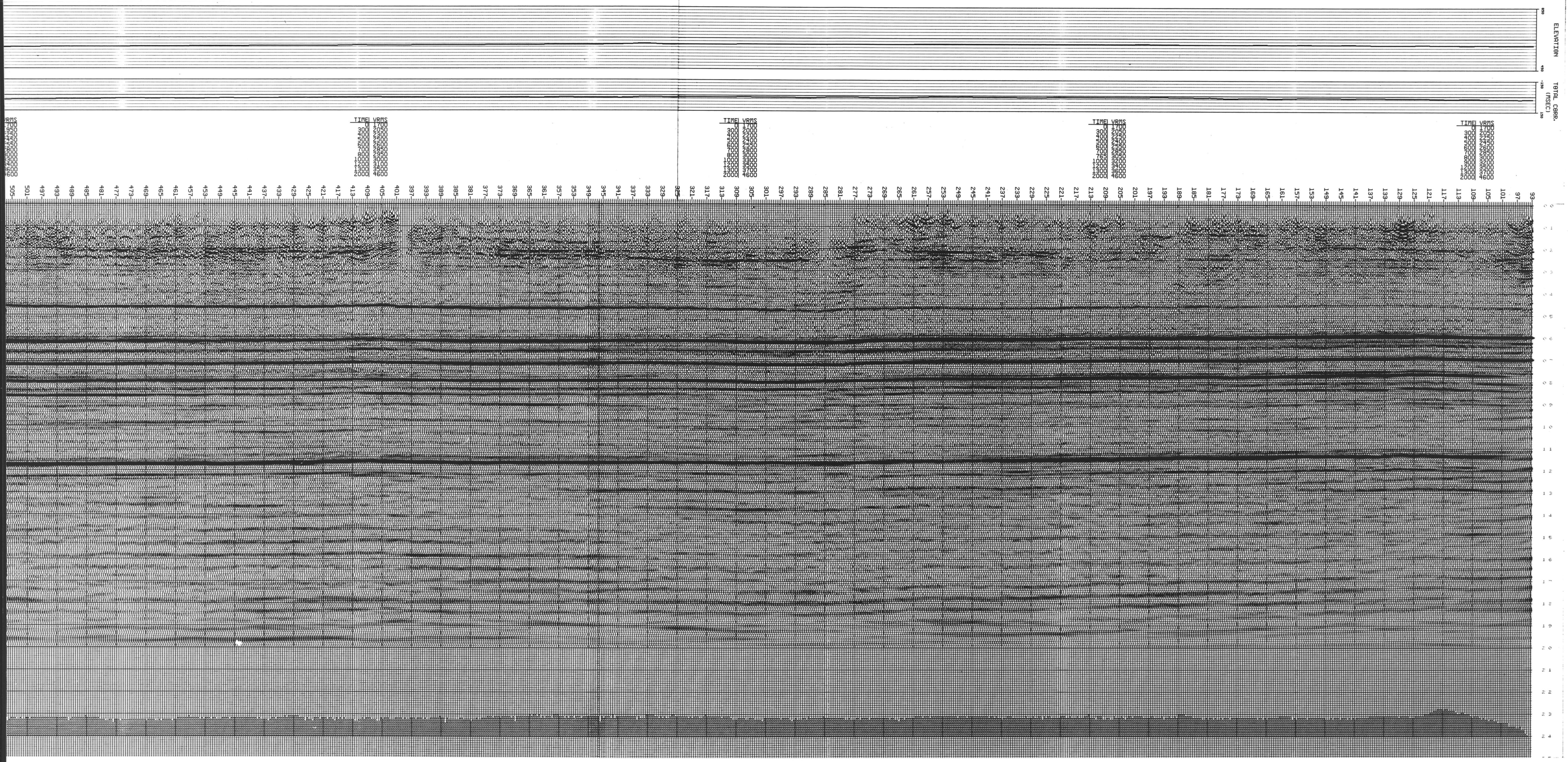
PART NO. 2 **OF** 3

R.R. 10X



9229-N10-2E ?

SEFEL GEOPHYSICAL
DATA PROCESSING CONSULTANTS
(CALGARY)

CLIENT NORTHCOR ENERGY LTD

PROSPECT TRAINOR LAKE

WAVE EQUATION MIGRATION

LINE OSL-8 **DIRECTION** N.E. →

FIELD PARAMETERS

SHOT BY	SEFEL GEOPHYSICAL PARTY 506
DATE SHOT	MARCH 1983
SOURCE	DYNAMITE
SOURCE PATTERN	SINGLE HOLE
CHARGE SIZE	2 KG AT 12 M
GEOPHONE TYPE	GEOSPACE
GEOPHONE FREQ	10 HZ
GEOPHONE PATTERN	9 AT 3 M INTERVALS
INSTRUMENTS	MDS-10 96 TRACES
FORMAT	SEG B
RECORDING FILTER	9/18 - 125/72 HZ
RECORD LENGTH	3 SEC
SAMPLE INTERVAL	2 MS
SPREAD GEOMETRY	1200-25-X-25-1200
GROUP INTERVAL	25 M
SHOT POINT INTERVAL	100 M

PROCESSING SEQUENCE

1 DEMULTIPLEX WITH GAIN REMOVAL	
PROCESSING SAMPLE RATE	2 MS
2 CDP TRACE GATHERS	1200 PERCENT
3 AUTOMATIC GAIN CURVE APPLICATION	
4 INSTRUMENT PHASE COMPENSATION	
5 GEOPHONE PHASE COMPENSATION	
6 SPIKING DECONVOLUTION	
WINDOW (MINIMUM OFFSET) (TAPERING WITH OFFSET)	300-1300 MS
OPERATOR LENGTH	60 MS
PREWHITENING	1 PERCENT
7 WEATHERING STATICS	
DATUM ELEVATION	700 M ASL
DATUM VELOCITY	2750 M/SEC
WEATHERING VELOCITY	610 M/SEC
8 VELOCITY ANALYSIS	
9 NMO AND EDITS	
10 AUTOMATIC RESIDUAL STATICS	
MAX CORRELATION LAG	+-30 MS
WINDOW	350-1300 MS
11 COMMON OFFSET STACK	
12 RESIDUAL NMO	
13 AUTOMATIC RESIDUAL STATICS	
MAX CORRELATION LAG	+-15 MS
WINDOW	350-950 MS
14 MUTE	
15 STACK	1200 PERCENT
16 WAVE EQUATION MIGRATION	
17 BANDPASS FILTER	
18 EQUALIZATION	
WINDOW	300-1700 MS
19 FILM DISPLAY	
POLARITY	REVERSE 16 TRACE/IN. 7.5 INCHES/SEC

QC GEOPHYSICIST T.C.S. (INITIALS) DATE JUNE , 1983

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PART NO. 3 OF 3

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