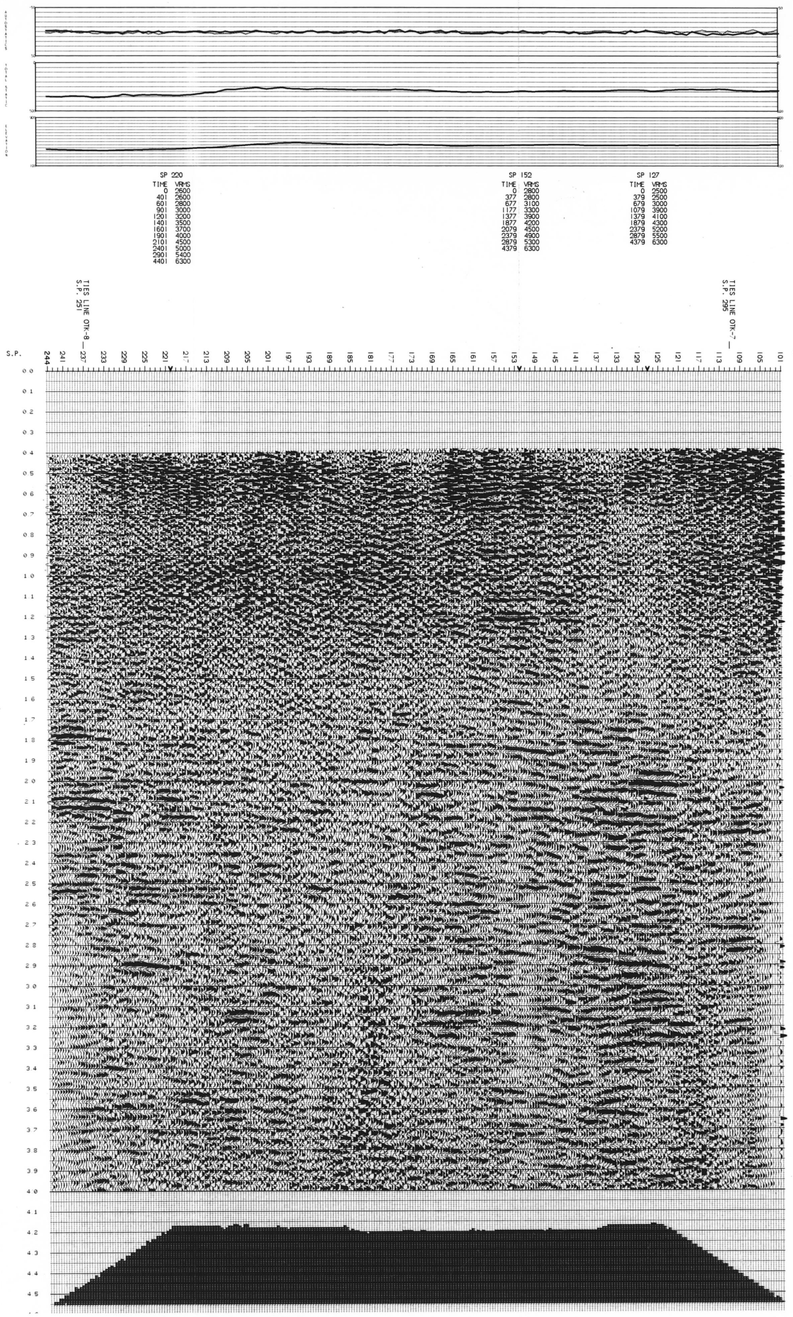

LINE OTK-011
S.P. 101-244

NORTH

92C9-N10-1E

STRUCTURAL STACK

NORTHCOR ENERGY LTD.

SAWMILL

SEFEL GEOPHYSICAL
SEISMIC DATA PROCESSING
CALGARY CANADA

DATE PROCESSED JULY, 1984
Q.C. TCS

FIELD RECORDING

DATE SHOT	MARCH, 1984
SHOT BY	SEFEL GEOPHYSICAL LTD PARTY NO. 501
SOURCE TYPE	DYNAMITE
SOURCE PATTERN	SINGLE HOLE
CHARGE SIZE	10 KG AT 18 M.
GEOPHONE TYPE	MARK-L15A 10 HZ
GEOPHONE PATTERN	18 AT 3M INT.
INSTRUMENTS	MDS 10
FORMAT	SEGB
DATA CHANNELS	96
RECORDING FILTER	12/18-172/72
RECORD LENGTH	6 SEC
SAMPLE INTERVAL	2 MS.
GROUP INTERVAL	40 M.
SHOT POINT INTERVAL	40 M.
SPREAD GEOMETRY	1920-40-X-40-1920

DIGITAL PROCESSING

1 DEMULTIPLEX WITH GAIN REMOVAL	
PROCESSING SAMPLE RATE	2 MS
2 CDP TRACE GATHERS	4800 PERCENT
3 INSTRUMENT PHASE COMPENSATION	
4 GEOPHONE PHASE COMPENSATION	
5 AUTOMATIC GAIN CURVE APPLICATION	
6 SPIKING DECONVOLUTION	
OPERATOR DESIGN WINDOW	
MIN OFFSET	350-1350 MS.
MAX OFFSET	700-1700 MS.
OPERATOR LENGTH	80 MS.
PREWHITENING	1 PERCENT
7 WEATHERING STATICS	
DATUM ELEVATION	VARIABLE DATUM
DATUM VELOCITY	3700 M/SEC.
WEATHERING VELOCITY	610 M/SEC.
8 VELOCITY ANALYSIS	
9 NMO	
10 AUTOMATIC RESIDUAL STATICS	
MAX CORRELATION LAG	+-40 MS.
WINDOW	500-2500 MS.
11 COMMON OFFSET STACK	
12 RESIDUAL NMO	
13 MUTE	
14 STACK	4800 PERCENT
15 TIME VARIANT FILTER	
0-1000 MS	14/22-65/75 HZ
1000-4000 MS	11/19-40/56 HZ
16 EQUALIZATION	
WINDOW	500-2500 MS.
17 VARIABLE TO FIXED DATUM CORRECTION	
FIXED DATUM	1200 M/ASL
18 FILM DISPLAY	16 TR/IN
	5 IN/SEC

POLARITY (X) NORMAL ( ) REVERSE

PROCESSING PARAMETERS SELECTED BY
EMPRESS EXPLORATION CONSULTANTS

terra
2060 Walkley Rd.
Ottawa, Ont.
Canada K1G 3P7
Tel (613) 731-9571
Telex 053-3502 Cable: TERRA

PROJ. NO. 9229-N10-1E

LINE NO. OTK-011

PART NO. 1 OF 1

R.R. 10X