



SP 256	SP 209	SP 159	SP 109
TIME VRS	TIME VRS	TIME VRS	TIME VRS
0 2500	0 2500	0 2500	0 2500
149 2500	149 2500	149 2500	149 2500
849 2500	849 2500	849 2500	849 2500
1049 2500	1049 2500	1049 2500	1049 2500
1349 2500	1349 2500	1349 2500	1349 2500
1649 2500	1649 2500	1649 2500	1649 2500
1949 2500	1949 2500	1949 2500	1949 2500
2249 2500	2249 2500	2249 2500	2249 2500
2549 2500	2549 2500	2549 2500	2549 2500
2849 2500	2849 2500	2849 2500	2849 2500
3149 2500	3149 2500	3149 2500	3149 2500
3449 2500	3449 2500	3449 2500	3449 2500
3749 2500	3749 2500	3749 2500	3749 2500
4049 2500	4049 2500	4049 2500	4049 2500
4349 2500	4349 2500	4349 2500	4349 2500
4649 2500	4649 2500	4649 2500	4649 2500
4949 2500	4949 2500	4949 2500	4949 2500
5249 2500	5249 2500	5249 2500	5249 2500
5549 2500	5549 2500	5549 2500	5549 2500
5849 2500	5849 2500	5849 2500	5849 2500
6149 2500	6149 2500	6149 2500	6149 2500
6449 2500	6449 2500	6449 2500	6449 2500
6749 2500	6749 2500	6749 2500	6749 2500
7049 2500	7049 2500	7049 2500	7049 2500

LINE J-003
S.P. 101-279
EAST

STRUCTURAL STACK
NORTHCOR ENERGY LTD.
JACKFISH

SEFEL	SEFEL GEOPHYSICAL SEISMIC DATA PROCESSING CALGARY CANADA	DATE PROCESSED JULY, 1984 O.C. TCS
-------	--	--

FIELD RECORDING

DATE SHOT	FEB, 1984
SHOT BY	SEFEL GEOPHYSICAL LTD
SOURCE TYPE	DYNAMITE
SOURCE PATTERN	SINGLE HOLE
CHARGE SIZE	4 KG AT 5 M.
GEOPHONE TYPE	GEOSPAC-10 HZ
GEOPHONE PATTERN	18 AT 3 M. INT.
INSTRUMENTS	KDS-10
FORMAT	SEGB
DATA CHANNELS	96
RECORDING FILTER	12/18-125/72 HZ
RECORD LENGTH	5 SEC
SAMPLE INTERVAL	2 MS
GROUP INTERVAL	25 M.
SHOT POINT INTERVAL	25 M.
SPREAD GEOMETRY	1200-25-X-25-1200

DIGITAL PROCESSING

1 DEMULTIPLEX WITH GAIN REMOVAL	2 MS
PROCESSING SAMPLE RATE	4800 PERCENT
2 CDP TRACE GATHERS	
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.
8 VELOCITY ANALYSIS	610 M/SEC.
NMO	
10 AUTOMATIC RESIDUAL STATICS	
MAX CORRELATION LAG	+-40 MS.
WINDOW	500-2500 MS.
11 COMMON OFFSET STACK	
12 RESIDUAL NMO	
13 MUTE	4800 PERCENT
14 STACK	
15 TIME VARIANT FILTER	14/22-65/75 HZ
0-1000 MS	11/19-40/56 HZ
1000-4000 MS	
16 EQUALIZATION	500-2500 MS.
WINDOW	
17 VARIABLE TO FIXED DATUM CORRECTION	1800 M/ASL
FIXED DATUM	16 TR/IN
18 FILM DISPLAY	5 IN/SEC
POLARITY (X) NORMAL () REVERSE	

PROCESSING PARAMETERS SELECTED BY
EMPRESS EXPLORATION CONSULTANTS

