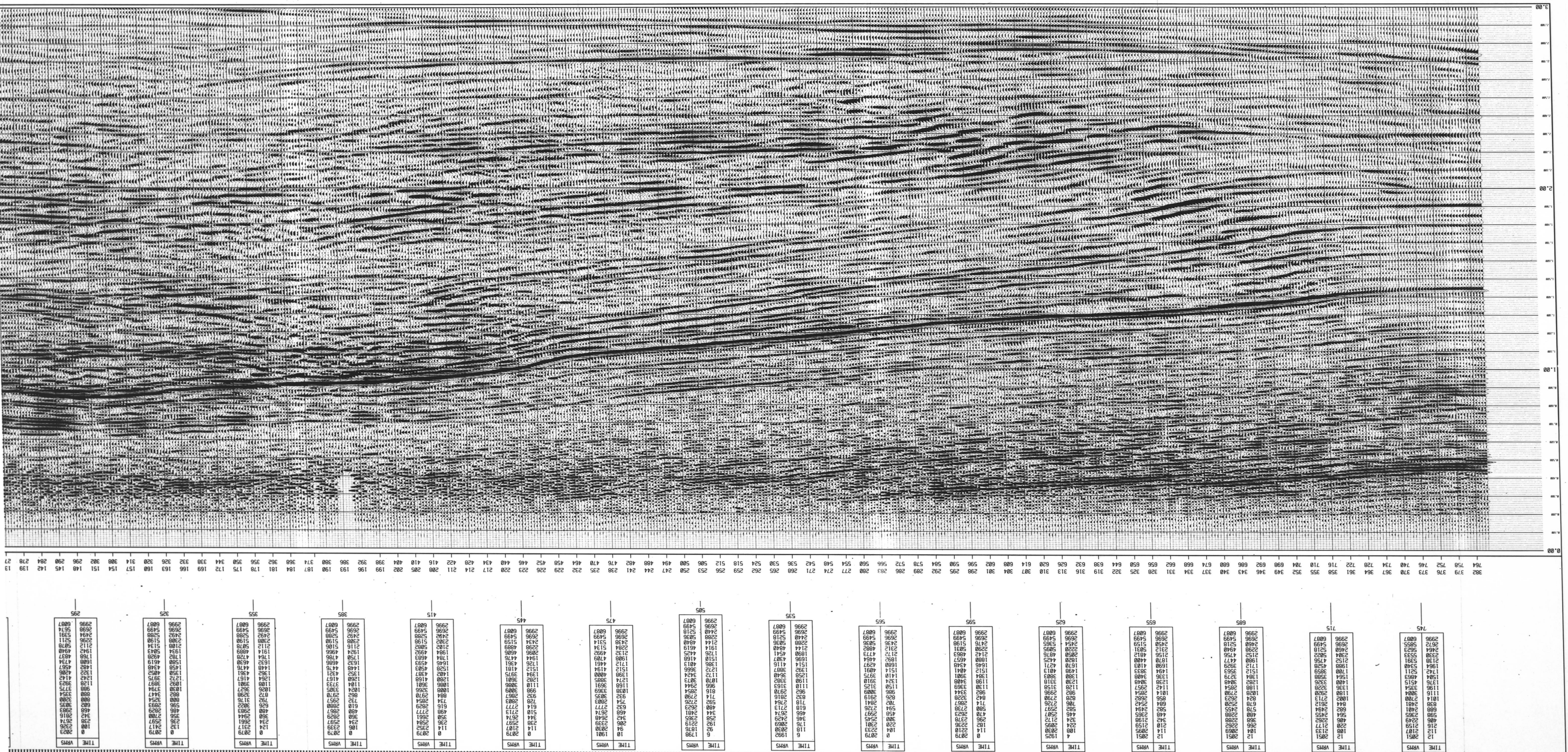




FOLD									
S U B S T									
E L E M E N T A R Y									

SW - NE

AEC WEST

LINE: DQN-00005

AREA: KEELE ARCH

9227 - A 61 - 1 D A (J

LOCATION: NWT

MIGRATED DMO STACK

NORMAL POLARITY

SHOT POINTS: 1 - 385

RECORDING PARAMETERS

DATE SHOT	:	MARCH, 1974			
SHOT BY	:	NORTHERN GEOPHYSICAL LTD.			
SHOT FOR	:	AROCO CANADA PETROLEUM COMPANY LTD.			
SOURCE		RECEIVERS			
ENERGY SOURCE	:	DYNAMITE	GEOPHONE TYPE	:	MARK L-10
SOURCE PATTERN	:	SINGLE HOLE	FREQ.	:	14 HZ
CHARGE SIZE	:	10 LBS	PHONES/GROUP	:	9 OVER 105 FT
SHOT DEPTH	:	50 FT	GROUP INTERVAL	:	110 FT (33.5 M)
FIELD FILTER	:	OUT/24 HZ.	SOURCE INTERVAL	:	330 FT (100.6 M)
NOTCH FILTER	:		NO. OF TRACES	:	48

INSTRUMENTS

```

INSTRUMENT TYPE : DFSIV      RECORD LENGTH : 3 SEC.
FIELD FORMAT    : SEG-B      SAMPLE INTERVAL : 2 MS.

STANDARD SPREAD CONFIGURATION

TRACE
DISTANCE      838 ----- 24 X 25 ----- 48
                67          67          838 M

```

PROCESSING SEQUENCE

DATE PROCESSED: NOVEMBER, 1998

- ```

1) DEMULTIPLIED FROM SEG-B (LACEY) CD-ROM
2) LINE GEOMETRY AND TRACE EDITS
3) GAIN CORRECTION - TYPE: EXPONENTIAL
4) RELATIVE AMPLITUDE SCALING
5) LOW FREQUENCY ARRAY FORMING
 FREQ. RANGE: 0 - 20 HZ. VELOCITY: 2000 M./SEC.
6) DECONVOLUTION:
 TYPE: MULTI-COMPONENT
 MINIMUM PHASE SIGNATURE
 OUTPUT PHASE: ZERO
 DESIGN GATE: 0.20 - 2.30 SEC. AT 0 M.
 0.67 - 2.50 SEC. AT 630 M.
7) TRACE BALANCE
8) ELEVATION CORRECTIONS & HEATHERING CORRECTIONS
 REFLECTION STRENGTH: 2 LAYER
 HEATHERING VELOCITY: 650 M./SEC.
 REPLACEMENT VELOCITY: 3047 M./SEC.
 PROCESSING DATUM ELEVATION: 305 M. A.S.L.
9) AUTOMATIC RESIDUAL STRENGTHS
 WINDOW: 0.30 - 2.00 SEC.
 +/- 20 HSEC.
 ITERATIONS: 4
10) FINAL VELOCITY ANALYSIS
 TYPE: COHERENCY SPECTRA
11) FINAL NFO
12) SHOT DOPPIN DMO
13) SNOT MTIME: OFFSET
 268 M. NUTE TIME
 302 M. 0.000 SEC.
 630 M. 0.350 SEC.
 0.650 SEC.
14) DECONVOLUTION:
 TYPE: TRACE TO TRACE
 OUTPUT PHASE: ZERO
 DESIGN GATES: 0.20 - 2.30 SEC. AT 0 M.
 0.67 - 2.50 SEC. AT 630 M.
 FREQUENCIES: 0 - 90 HZ.
15) TRIM STRENGTHS
 WINDOW: 0.30 - 2.00 SEC.
 MAXIMUM STRENGTH: +/- 12 HSEC.
16) CDP STACK
17) MULTI-GATE SCALING
18) F-X DECONVOLUTION MULTI-SUPPRESSION, NOISERACK: 50%
19) FINITE DIFFERENCE MIGRATION, 95 % OF STACKING VELOCITY
20) BANDPASS FILTER: 10.15 - 70.00 HZ. 0.1-5 SEC.
 1.0-5.0 HZ. 1.0-5.0 SEC.

```

### DISPLAY PARAMETERS

HORIZONTAL SCALE (TRACES/INCH): 12  
VERTICAL SCALE (IN/SEC): 5.0

EI PROCESSING INC.