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SEFEL GEOPHYSICAL  
DATA PROCESSING CONSULTANTS  
(CALGARY)

CLIENT NORTHCOB ENERGY LTD

PASSPECT TRAINOR LAKE

WAVE EQUATION  
MIGRATION

LINE OSL-5 DIRECTION NE →

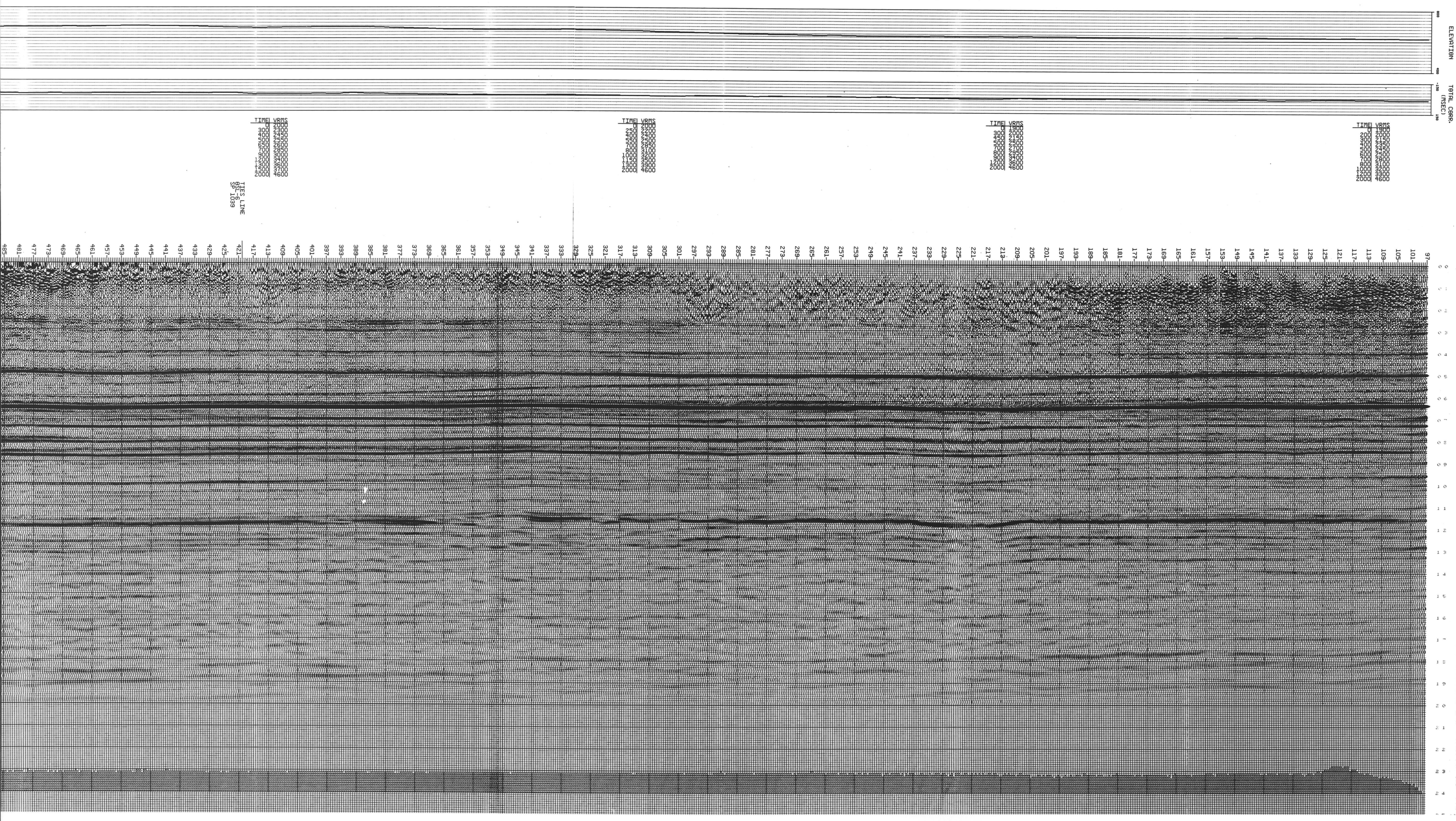
FIELD PARAMETERS

SHOT BY SEFEL GEOPHYSICAL  
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 8 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. DEMULTIPLY WITH GAIN REMOVAL
2. PROCESSING SAMPLE RATE 2 MS
3. COP TRACE GATHERS 1200 PERCENT
4. AUTOMATIC GAIN CURVE APPLICATION
5. INSTRUMENT PHASE COMPENSATION
6. GEOPHONE PHASE COMPENSATION
7. SPKING DECONVOLUTION  
WINDOW (MINIMUM OFFSET) 300-1900 MS  
(TAPERING WITH OFFSET)  
OPERATOR LENGTH 60 MS  
PREWHITENING 1 PERCENT
8. WEATHERING STATICS  
DATUM ELEVATION 700 M ASL  
DATUM VELOCITY 2750 M/SEC  
WEATHERING VELOCITY 610 M/SEC
9. VELOCITY ANALYSIS
10. NPB AND EDITS
11. AUTOMATIC RESIDUAL STATICS  
NPK CORRELATION LAG +-30 MS  
WINDOW 350-1900 MS
12. COMMON OFFSET STACK  
RESIDUAL NPB
13. AUTOMATIC RESIDUAL STATICS  
NPK CORRELATION LAG +-15 MS  
WINDOW 350-950 MS
14. NUTE
15. STACK 1200 PERCENT
16. WAVE EQUATION MIGRATION
17. BANDPASS FILTER
18. EQUALIZATION  
WINDOW 300-1700 MS
19. FIELD DISPLAY  
POLARITY REVERSE  
7.5 INCHES/SEC

DC GEOPHYSICIST T.C.S. DATE JUNE, 1983



TIME VS RMS  
2000 2000  
1800 1800  
1600 1600  
1400 1400  
1200 1200  
1000 1000  
800 800  
600 600  
400 400  
200 200

TIME VS RMS  
2000 2000  
1800 1800  
1600 1600  
1400 1400  
1200 1200  
1000 1000  
800 800  
600 600  
400 400  
200 200

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