

9229-N10-2E



SEFEL GEOPHYSICAL
DATA PROCESSING CONSULTANTS
(CALGARY)

CLIENT NORTHCOB ENERGY LTD

PROSPECT TRAINOR LAKE

WAVE EQUATION
MIGRATION

LINE OSL-6 DIRECTION S.E. →

FIELD PARAMETERS

SHOT BY SEFEL GEOPHYSICAL
DATE SHOT PARTY 506
SOURCE MARCH 1989
SOURCE PATTERN DYNAMITE
CHARGE SIZE SINGLE HOLE
CHARGE SIZE 2 KG AT 12 M
GEOPHONE TYPE GEOSPAC
GEOPHONE FREQ 10 HZ
GEOPHONE PATTERN 9 AT 3 M INTERVALS
INSTRUMENTS ADS-10 96 TRACES
FORMAT SEG 8
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 REGBVAL
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 SPLITTING DECONVOLUTION
WINDOW (MINIMUM OFFSET) 300-1300 MS
OPERATOR LENGTH 60 MS
PREMUTING 1 PERCENT
8 WEATHERING STATICS
DATUM ELEVATION 700 M ASL
DATUM VELOCITY 2750 M/SEC
WEATHERING VELOCITY 610 M/SEC
9 VELOCITY ANALYSIS
10 WNS AND EDITS
11 AUTOMATIC RESIDUAL STATICS
WINDOW 350-1300 MS
12 CORRELATION LAG
13 AUTOMATIC RESIDUAL STACK
WINDOW 350-950 MS
14 CORRELATION LAG
15 AUTOMATIC RESIDUAL STATICS
WINDOW 350-950 MS
16 CORRELATION LAG
17 STACK 1200 PERCENT
18 WAVE EQUATION MIGRATION
19 BANDPASS FILTER
20 EQUALIZATION
21 WINDOW
22 FILE DISPLAY
23 POLARITY
24 NORMAL
25 16 TRACES/IN.
26 7.5 INCHES/SEC

QC GEOPHYSICIST T.C.S. DATE JUNE, 1989
INITIALS

ELEVATION TOTAL CORR.

101
100
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TIME VMS
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500
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-100
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-500
-600
-700
-800
-900
-1000
TIES LINE
SP 357

TIME VMS
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TIES LINE
SP 353

TIME VMS
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TIES LINE
SP 353

LINE NO.

0 S L - 6

PART NO.

3

OF

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R.R. 10X



