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PROJ. NO. 9 2 2 9 T 2 1 1 E

LINE NO. W 8 3 - N A

PART NO. 1 OF 2

R.R. 10X

0 2 2 9 - T 2 1 - 1 E

W 83-NA
SP 73-861

LINE W83-NA
SP 73-861

S.E.

MIGRATED STACK

TEXACO CANADA RESOURCES

CARCAJOU



SEFEL GEOPHYSICAL
SEISMIC DATA PROCESSING
CALGARY, CANADA

DATE PROCESSED
JUNE 1983
G.C. GEOPHYSICIST
PAUL CHERNOFF

FIELD RECORDING

SHOT BY WESTERN GEOPHYSICAL
DATE SHOT APRIL 1983
SOURCE PARTY 367
SOURCE CHARGE SIZE DYNAMITE
SHOT DATA 1 KG
INTERVAL 60 M
PATTERN 2 HOLES OVER 30 M
DEPTH 13 M
GEOPHONE DATA 15 M
PATTERN 8 OVER 15 M
TYPE MARK - 30 HZ
NUMBER OF GROUPS 96
SPREAD 750-45-X-45-750 M
INSTRUMENT TYPE DPS V
TAPE FORMAT SEG8
GAIN MODE IFP
FIELD FILTER 18/128 HZ
NOTCH FILTER OUT
SAMPLE INTERVAL 2 MS

DIGITAL PROCESSING

- 1 DEMULTIPLEX AND BINARY GAIN REMOVAL
RECORD LENGTH 2.5 SECONDS
SAMPLE INTERVAL 2 MS
- 2 CDP GATHERS
FOLD 1200 PERCENT
- 3 AUTOMATIC GAIN RECOVERY
- 4 DATUM AND HEATHERING STATICS
DATUM 100 M
REPLACEMENT VELOCITY 3500 M/SEC
HEATHERING VELOCITY 610 M/SEC
- 5 VELOCITY FILTER
ATTENUATE EVENTS WITH AN APPARENT
VELOCITY LESS THAN 2900 M/SEC
- 6 INSTRUMENT PHASE COMPENSATION
- 7 SPIKING DECONVOLUTION
OPERATOR LENGTH 80 MS
PREWHITENING 1 PERCENT
WINDOW 100 TO 1500 MS AT 45 M
300 TO 1700 MS AT 750 M
- 8 SURFACE CONSISTENT RESIDUAL STATICS
WINDOW 300 TO 1300 MS
MAX CORRELATION LAG +/-40 MS
- 9 VELOCITY ANALYSIS
CONSTANT VELOCITY STACKS
- 10 NORMAL MOVEOUT
- 11 SURFACE CONSISTENT RESIDUAL STATICS
WINDOW 300 TO 700 MS
MAX CORRELATION LAG +/-30 MS
- 12 MUTE
0 MS AT 135 M
150 MS AT 150 M
300 MS AT 750 M
- 13 CDP STACK
1200 PERCENT
- 14 BANDPASS FILTER
9/15-100/110 HZ
- 15 EQUALIZATION
- 16 MIGRATION
90 PERCENT ORIGINAL VELOCITIES
- 17 FILM DISPLAY

24 TPI
10 IN/SEC

NORMAL POLARITY



