



STRUCTURE STACK

TEXACO CANADA RESOURCES

CARCAJOU

SEFEL GEOPHYSICAL
SEISMIC DATA PROCESSING
CALGARY, CANADA

DATE PROCESSED JUNE 1983
C.C. GEOPHYSICIST
PAUL CHERNOFF

FIELD RECORDING

SHOT BY	WESTERN GEOPHYSICAL
DATE SHOT	APRIL 1983
PARTY	DYNAMITE
SOURCE	1 KG
CHARGE SIZE	1 KG
SHOT DATA	60 M
PATTERN	2 HOLE OVER 30 M
DEPTH	13 M
GEOPHON DATA	15 M
PATTERN	9 OVER 15 M
TYPE	MARK - 30 HZ
NUMBER OF GROUPS	96
SPREAD	750-45-X-45-750 M
INSTRUMENT TYPE	DFS V
TAPE FORMAT	SEG
GAIN MODE	1PF
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 WEATHERING STATISTICS
DATUM 100 M
REPLACEMENT VELOCITY 3500 M/SEC
WEATHERING 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 STATISTICS
WINDOW 300 TO 1500 MS
MAX CORRELATION LAG +/-40 MS
- 9 VELOCITY ANALYSIS
CONSTANT VELOCITY STACKS
- 10 NORMAL MOVEOUT
- 11 SURFACE CONSISTENT RESIDUAL STATISTICS
WINDOW 300 TO 1500 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 FILM DISPLAY

24 TPI
10 IN/SEC

NORMAL POLARITY