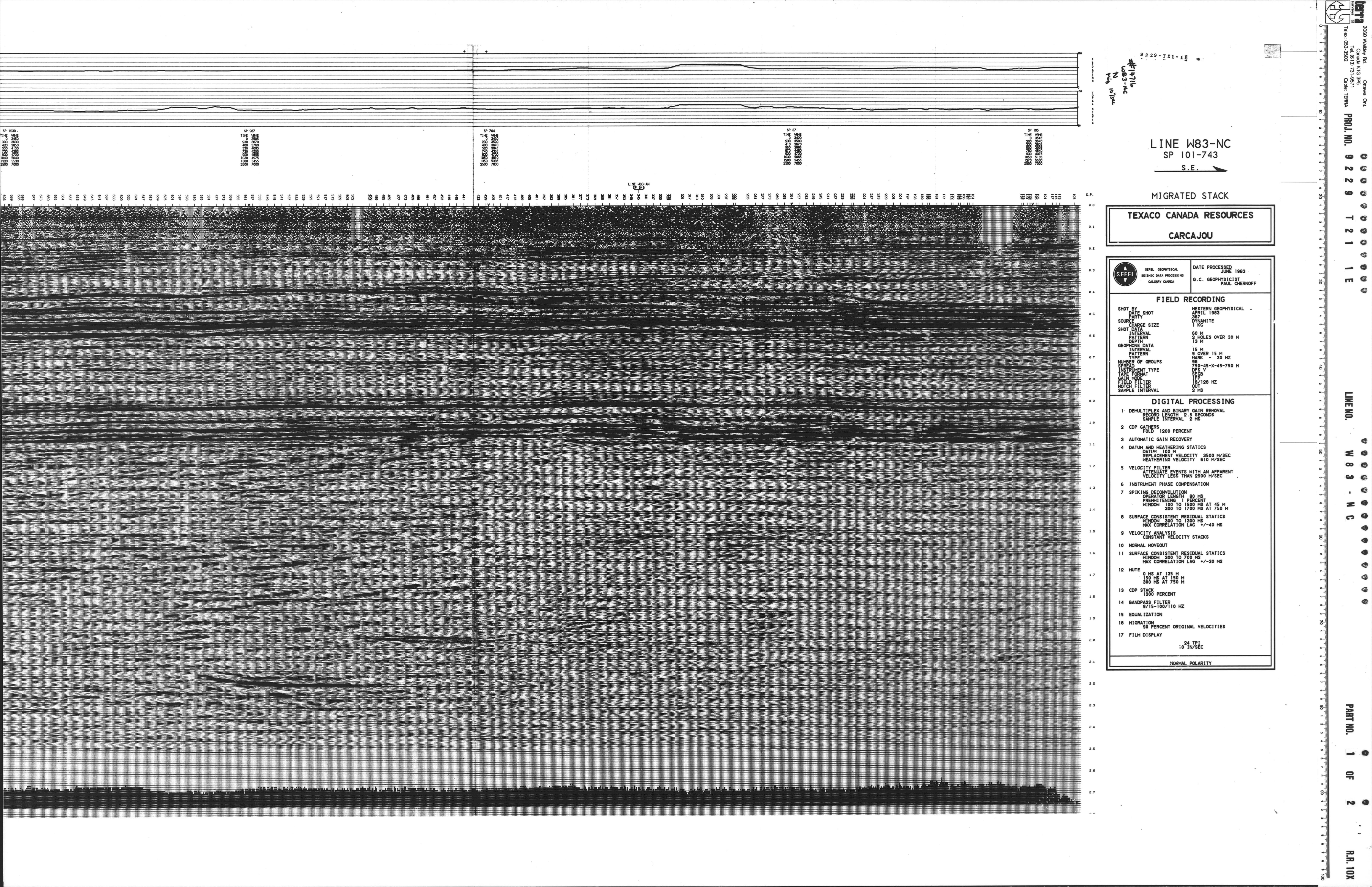




LINE W83-NC
SP 101-743
S.E.

TEXACO CANADA RESOURCES

CARCAJOU

SEFEL

SEFEL GEOPHYSICAL
SEISMIC DATA PROCESSING
CALGARY, CANADA

DATE PROCESSED
JUNE 1983
Q.C. GEOPHYSICIST
PAUL CHERNOFF

FIELD RECORDING

SHOT BY WESTERN GEOPHYSICAL
DATE SHOT APRIL 1983
PARTY 357
SOURCE DYNAMITE
CHARGE SIZE 1 KG
SHOT DATA
INTERVAL 60 M
PATTERN 2 HOLES OVER 30 M
DEPTH 13 M
GEOPHONE DATA
INTERVAL 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 SCS
GAIN MODE TFP
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 STATICS
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 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

