



CLIENT: PETRO-CANADA
AREA: CAMERON HILLS
LINE: 8019 (AIR GUN)
SHOTS: 101 - 664
LOCATION: NORTHWEST TERRITORIES
NTS: 85C
FOLD: SE
POLARITY: 1200% NORMAL
PROCESS: MIGRATED STACK

ACQUISITION: TRACE EXPLORATION LTD.
DATE SHOT: MARCH 1985

SPEED
SHOOTING DIRECTION: SE TO NW
STATION INTERVAL: 30 METERS
SHOT INTERVAL: 40 METERS
NO. OF TRACES: 120
SPREAD CONFIGURATION: 1540-40-2-40-1240 METERS

INSTRUMENTS
ANALOG: 095 V
SAMPLE RATE: 3 MS
RECORD LENGTH: 3 SEC
FILTER: 18/18 - 120/72 HZ/96/OCT
NOTCH: CUT
TAPE FORMAT: SEGR 120 TRACES

RECEIVERS
TYPE: L-15, 14 HZ
NUMBER PER GROUP: 9
SPACING: 2.2 METERS

SOURCE
TYPE: AIR GUN
NUMBER OF GUN X POPS: 3 X 4
SOURCE PATTERN: 4 OVER 20 METERS

PROCESSING: SEISCOM DELTA UNITED (CANADA) LTD.
CENTER: CALGARY, ALBERTA
DATE: MAY 1985

DEMULTEPLEX
PROCESSING SAMPLE RATE: 2 MS
PROCESSING RECORD LENGTH: 1.6 SEC
FORMAT TO: SECT, 32 BIT, FLOATING POINT

AMPLITUDE RECOVERY
SPHERICAL DIVERGENCE: TO 600 MS
SPHERICAL COR: 1440/SEC

DECONVOLUTION
TIME CONSTANT: SPONG
TYPE: 80 MS
OPERATOR LENGTH: 6.12
PREWIT: 6.00 MS
DESIGN WINDOW LENGTH: 6.00 MS

STATICS
DRIFT SHOT AND RECEIVER STATICS
DATE: 300 METERS
REPLACEMENT VELOCITY: 4500 M/S
WEATHERING VELOCITY: 410 M/S

PRELIMINARY VELOCITY ANALYSIS
TYPE: DOVE VELOCITY SPECTRA (DATUM REFERENCED)
INTERVAL: FIRST 4 KM

RESIDUAL STATICS
TYPE: SURFACE CONSTANT
WINDOW: 300 TO 650 MS
BASE SHIFT FOR AIR GUN DELAY: -20 MS

VELOCITY ANALYSIS
TYPE: DOVE VELOCITY SPECTRA (DATUM REFERENCED)
INTERVAL: EVERY 2 KM
VERIFICATION: COMMON OFFSET STACK

NMO
INTERVAL VELOCITIES COMPUTED BY DIX EQUATION

FRONT MUTE
RANGE (MS): 200
TIME (MS): 0
200
1000
2400
1100

CDP STACK
PUSH: 1200T

WAVE EQUATION MIGRATION
NO. PCT. OF INTERVAL VELOCITY APPLIED

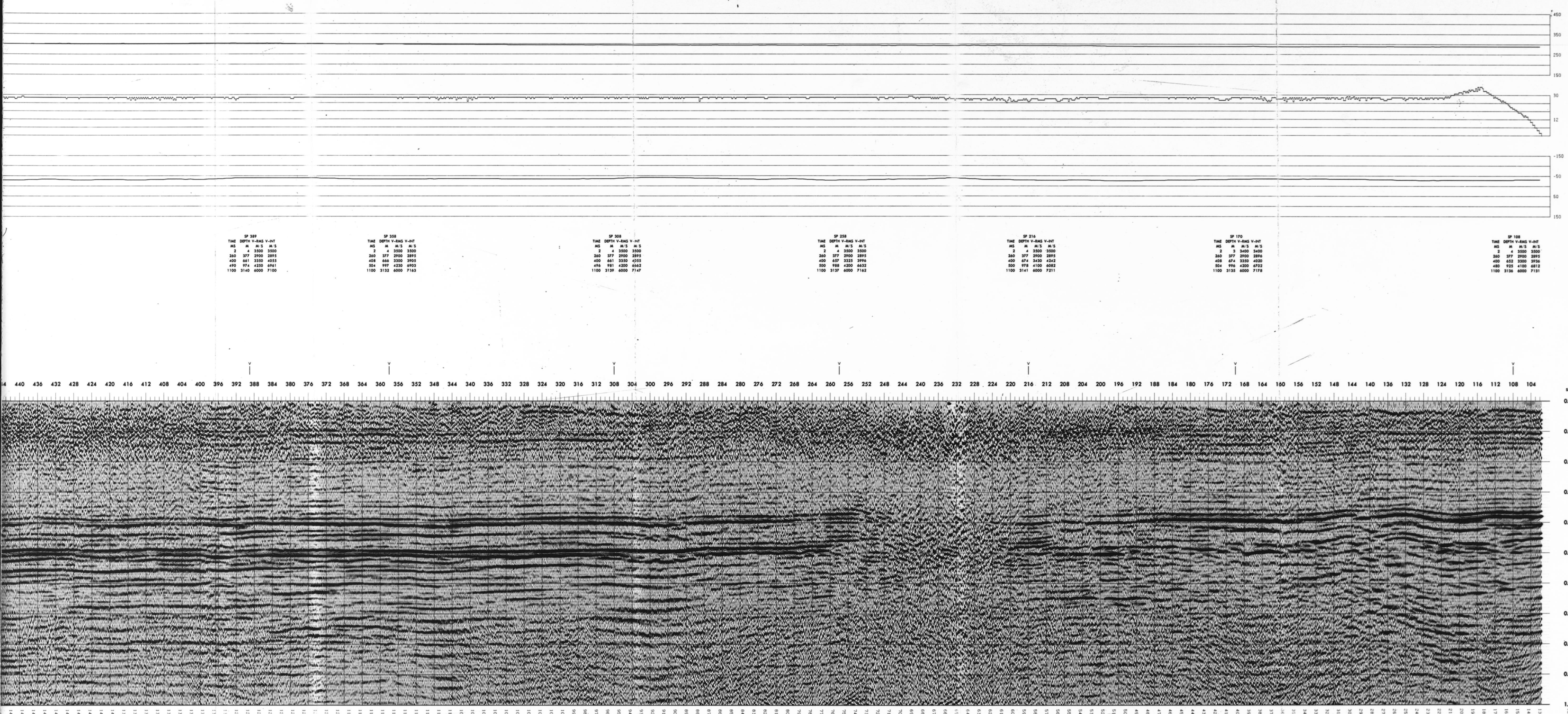
FILTER
TYPE: TRANSVERSAL, 280 PHASE
25 - 25 - 25 - 25 - 100 HZ

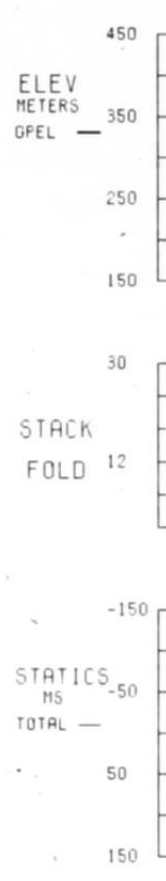
TRACE EQUALIZATION
RISING WINDOW LENGTH: 400 MS
PERCENT: 100

DISPLAY
HORIZONTAL SCALE: 36 IN/INCH
VERTICAL SCALE: 7.5 INCHES/SEC

REMARKS
LINE TEST ESTIMATED FROM U.T.A.

PROCESSED BY: W. DOUGHERTY
QUALITY CONTROL BY: C. MORRISON





SP 438
TIME DEPTH V-ANAL V-DOT
MS M M/S M/S
2 4 3500 3500
260 377 3900 3895
400 461 3350 4055
500 494 4100 4055
1100 3133 6000 7223

SP 438
TIME DEPTH V-ANAL V-DOT
MS M M/S M/S
2 4 3500 3500
260 377 3900 3895
400 461 3350 4055
500 494 4100 4055
1100 3137 6000 7211

SP 538
TIME DEPTH V-ANAL V-DOT
MS M M/S M/S
2 4 3500 3500
260 377 3900 3895
400 461 3350 4055
500 494 4100 4055
1100 3136 6000 7191

SP 538
TIME DEPTH V-ANAL V-DOT
MS M M/S M/S
2 4 3500 3500
260 377 3900 3895
400 461 3350 4055
500 494 4100 4055
1100 3136 6000 7191

SP 438
TIME DEPTH V-ANAL V-DOT
MS M M/S M/S
2 4 3500 3500
260 377 3900 3895
400 461 3350 4055
500 494 4100 4055
1100 3136 6000 7191

SP 387
TIME DEPTH V-ANAL V-DOT
MS M M/S M/S
2 4 3500 3500
260 377 3900 3895
400 461 3350 4055
500 494 4100 4055
1100 3140 6000 7140

SP 538
TIME DEPTH V-ANAL V-DOT
MS M M/S M/S
2 4 3500 3500
260 377 3900 3895
400 461 3350 4055
500 494 4100 4055
1100 3132 6000 7140

SP 308
TIME DEPTH V-ANAL V-DOT
MS M M/S M/S
2 4 3500 3500
260 377 3900 3895
400 461 3350 4055
500 494 4100 4055
1100 3132 6000 7147

DATE = 07/04/85
TIME = 22:14:05
THIS PLOT PROVIDED BY SEISMOPHONE II

