

9229-P26-0E

R515-12 41588



CLIENT: PETRO-CANADA
AREA: CAMERON HILLS
LINE: 8013 (AIR GUN)
SHOTS: 101 - 256
LOCATION: NORTHWEST TERRITORIES
NTS: 85C
FOLD: 1200%
POLARITY: NORMAL
PROCESS: MIGRATED STACK

ACQUISITION: TRACE EXPLORATION LTD.
DATE SHOT: MARCH 1985

SPREAD
SHOOTING DIRECTION: NE TO SW
STATION INTERVAL: 20 METRES
SHOT INTERVAL: 40 METRES
NO. OF TRACES: 120
SPREAD CONFIGURATION: 1340-60-E-60-1340 METRES

INSTRUMENTS
NAME/ MODEL: DVS V
SAMPLE RATE: 2 MS
RECORD LENGTH: 3 SEC
FILTER: 18/16 - 128/72 HZ/OCT
NOTCH FILTER: OFF
TAP FORMAT: 8008 120 TRACES

RECEIVERS
TYPE: L-15, 14 HZ
NUMBER PER GROUP: 9
SPACING: 2.5 METRES

SOURCE
TYPE: AIR GUN
NUMBER OF GUNS X POPS: 3 X 4
SOURCE PATTERN: 4 OVER 30 METRES

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

DEMULTEX
PROCESSING SAMPLE RATE: 2 MS
PROCESSING RECORD LENGTH: 1.0 SEC
REFORMAT TO: 800T, 32 BIT, FLOATING POINT

AMPLITUDE RECOVERY
SPHERICAL DIVERGENCE: TO 600 MS
EXPONENTIAL GAIN: 14dB/SEC.

DECONVOLUTION
TIME CONSTANT: SPREADING
TYPE: OPERATOR LENGTH: 80 MS
PREHITS: 6.12
DESIGN WINDOW LENGTH: 650 MS

STATICS
SHIFT SHOT AND RECEIVER STATICS
DATUM: 300 METRES
REPLACEMENT VELOCITY: 4500 M/S
WEATHERING VELOCITY: 610 M/S

PRELIMINARY VELOCITY ANALYSIS
TYPE: DOVE VELOCITY SPECTRA (DATUM REFERENCED)
INTERVAL: EVERY 4 SA

RESIDUAL STATICS
TYPE: SURFACE CONSISTENT
WINDOW: 350 TO 650 MS
MAX SHIFT FOR AIR GUN DELAY: -30 MS

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

NMO
INTERVAL VELOCITIES COMPUTED BY DIX EQUATION

FRONT MUTE
RANGE (MS): 240
TIME (MS): 0
280 500
1340 1000
2480 1100

CDP STACK
FOOT: 1200T

WAVE EQUATION MIGRATION
80 PCT. OF INTERVAL VELOCITY APPLIED

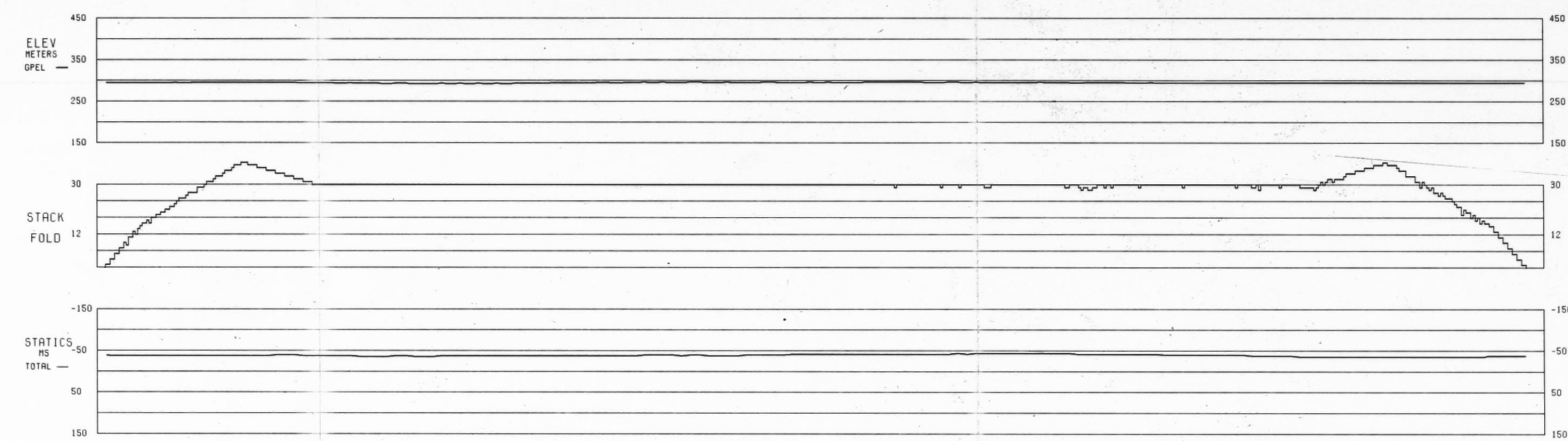
FILTER
TYPE: TRAPEZOIDAL, ZERO PHASE
20 - 25 - 80 - 100 HZ

TRACE EQUALIZATION
SIGNAL WINDOW LENGTH: 400 MS
PRECISE: 100

DISPLAY
HORIZONTAL SCALE: 36 IN/INCH
VERTICAL SCALE: 7.2 INCH/SEC

REMARKS
LINE TIES ESTIMATED FROM U.T.M.

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

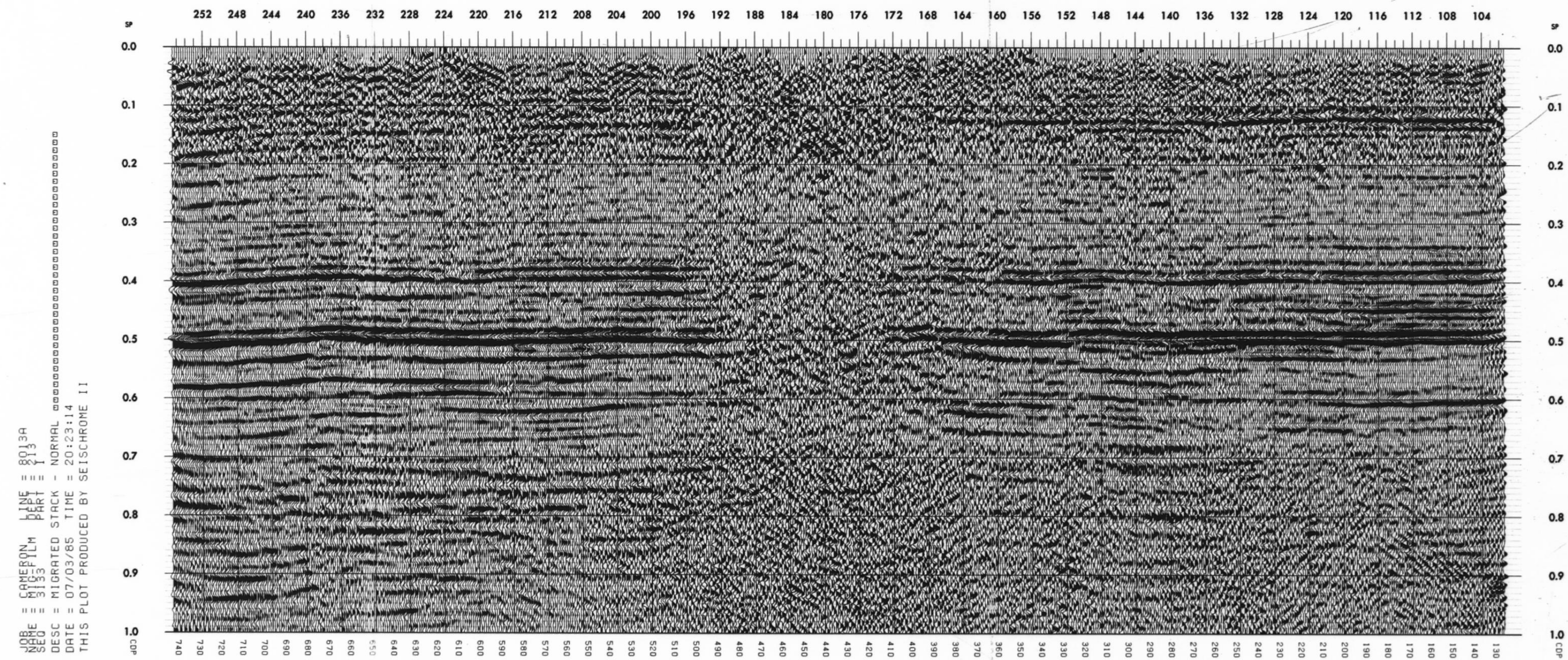


SP 245
TIME DOPN V-LONG V-INT
MS M M/S M/S
2 4 4000 4000
280 420 3300 3341
400 620 3300 3364
490 820 3300 3387
1000 2828 6000 7428

SP 204
TIME DOPN V-LONG V-INT
MS M M/S M/S
2 4 4000 4000
280 420 3300 3341
400 620 3300 3364
490 820 3300 3387
1000 2828 6000 7428

SP 148
TIME DOPN V-LONG V-INT
MS M M/S M/S
2 4 4000 4000
280 420 3300 3341
400 620 3300 3364
490 820 3300 3387
1000 2828 6000 7428

SP 1013
TIME DOPN V-LONG V-INT
MS M M/S M/S
2 4 4000 4000
280 420 3300 3341
400 620 3300 3364
490 820 3300 3387
1000 2828 6000 7428



JOB: CAMERON HILLS
LINE: 8013
REEL: 9113
DESC: MIGRATED STACK - NORMAL
THIS PLOT PRODUCED BY SEISCHROME II