



CLIENT: PETRO-CANADA
AREA: CAMERON HILLS
LINE: 8021
SHOTS: III - 322
LOCATION: NORTHWEST TERRITORIES
NTS: 85C
FOLD: 1200%
POLARITY: NORMAL
PROCESS: MIGRATED STACK

ACQUISITION: SEFEL GEOPHYSICAL LTD.
DATE SHOT: JAN. 1985

SPREAD
SHOOTING DIRECTION: NE TO SW
STATION INTERVAL: 20 METERS
SHOT INTERVAL: 100 METERS
NO. OF TRACES: 120
SPREAD CONFIGURATION: 1220-40 X 40-1220 METERS

INSTRUMENTS
MAKE/MODEL: DVS V
SAMPLE RATE: 2 MS
RECORD LENGTH: 4 SEC
FILTER: 12-18 - 128-72 HZ DB OCT
NOTCH FILTER: OUT
TAPE FORMAT: SEG8 120 TRACES

RECEIVERS
TYPE: GEOSPAC GS200 14 HZ
NUMBER PER GROUP: 9
SPACING: 2.5 METERS

SOURCE
TYPE: DYNAMITE
CHARGE SIZE: 1 KG. EACH HOLE
SOURCE LAYOUT: 3 HOLES IN LINE

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

DEMULPLEX
PROCESSING SAMPLE RATE: 2 MS
PROCESSING RECORD LENGTH: 2.0 SEC
REFORMAT TO: SEGY, 32 BIT, FLOATING POINT

AMPLITUDE RECOVERY
SPHERICAL DIVERGENCE: TO 600 MS.
EXPONENTIAL GAIN: 1.4dB/SEC. FROM 0 TO 2000 MS.

DECONVOLUTION
TIME CONSTANT
TYPE: SPKING
OPERATOR LENGTH: 80 MS
PREWRITE: 0.1
DESIGN WINDOW LENGTH: 1100 MS.

STATICS
DRIFT SHOT AND RECEIVER STATICS
DATUM: 750 METERS
REPLACEMENT VELOCITY: 2100 M/S
WEATHERING VELOCITY: 610 M/S

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

RESIDUAL STATICS
TYPE: SURFACE CONSISTENT
WINDOW: 400 - 1100 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) TIME (MS)
240 0
280 330
720 700
1220 900
2440 1800

TRIM STATICS
WINDOW: 400 - 1100 MS
MAXIMUM ALLOWABLE STATIC: 8 MS.

CDP STACK
FOLD: 12001

WAVE EQUATION MIGRATION
80 PCT. OF INTERVAL VELOCITY APPLIED

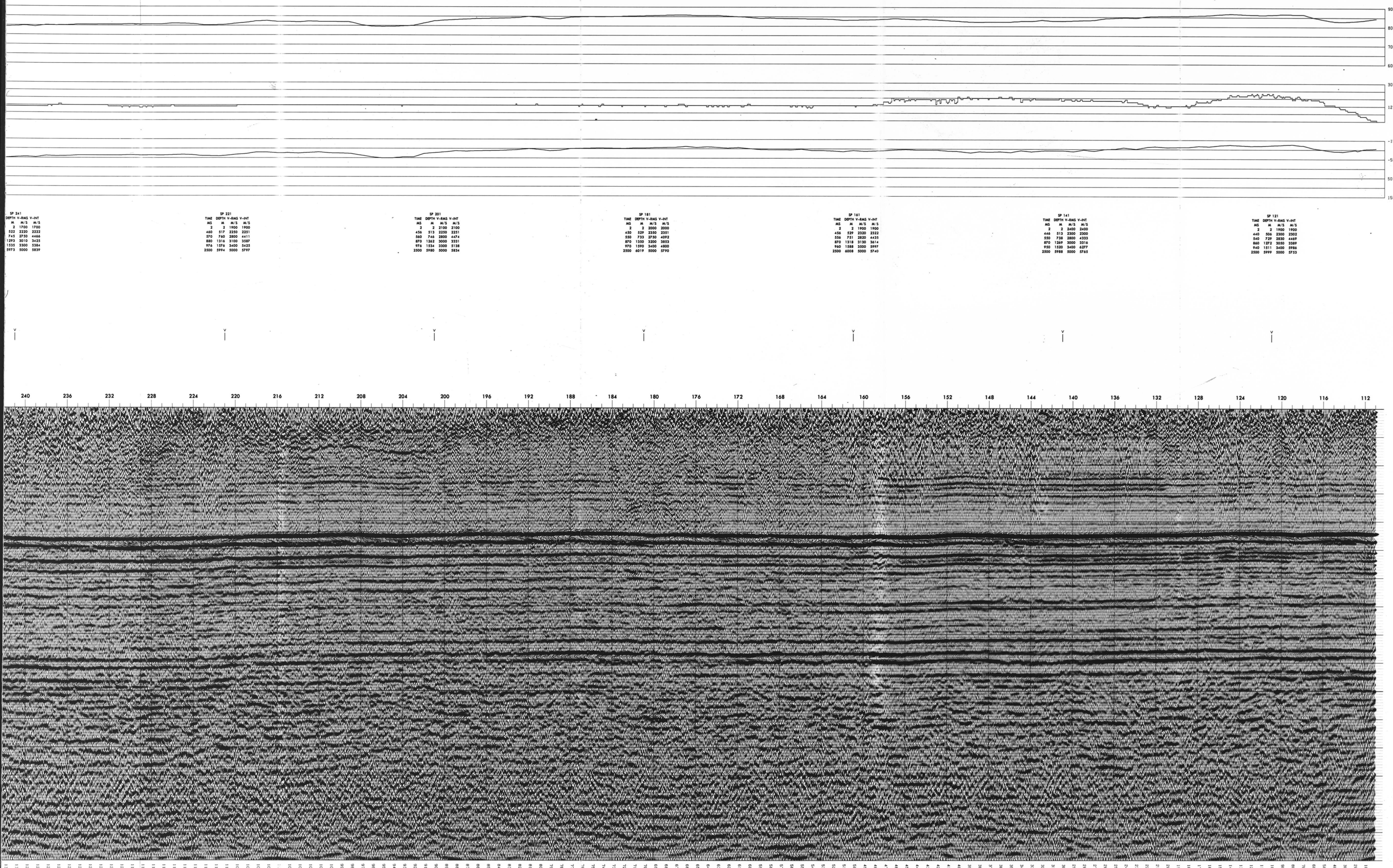
FILTER
TYPE: TRAPEZOIDAL, ZERO PHASE
20 - 25 - 75 - 95 HZ

TRACE EQUALIZATION
SLIDING WINDOW LENGTH: 400 MS
PERCENT: 100 %

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

REMARKS: LINE TIES ESTIMATED FROM UTM

PROCESSED BY: PHILIP LEUNG
QUALITY CONTROL BY: CAROL MORRISON



LINE NO. 8021

PART NO. 1 OF 2
R.R. 8X

