

R515-11 41582
Seiscom Delta United

CLIENT: PETRO-CANADA
AREA: CAMERON HILLS
LINE: 8013' (-20 METERS GROUP INTERVAL)
SHOTS: 300-541
LOCATION: NORTHWEST TERRITORIES
NTS: 85C
FOLD: 1200%
POLARITY: NORMAL
PROCESS: MIGRATED STACK

ACQUISITION: SEFEL GEOPHYSICAL LTD.
DATE SHOT: MARCH 1985
SPREAD
SHOOTING DIRECTION: NE TO SW
STATION INTERVAL: 20 METERS
SHOT INTERVAL: 100 METERS
NO. OF TRACES: 120
SPREAD CONFIGURATION: 1220-40-30-40-1220 METERS
INSTRUMENTS
MAKE/MODEL: SPS V
SAMPLE RATE: 2 MS
RECORD LENGTH: 4 SEC
FILTER: 27 Hz - 138 Hz 1/2 Hz/Oct
NOTCH FILTER: OUT
TAPE FORMAT: 6008 120 TRACES
RECEIVERS
TYPE: GEOSPAC 03300 14 HZ
NUMBER PER GROUP: 9
SPACING: 2.5 METERS
SOURCE
TYPE: DYNAMITE
CHARGE SIZE: 1/2 KG EACH HOLE
SOURCE LAYOUT: 3 HOLES IN LINE OVER 20 M

PROCESSING: SEISCOM DELTA UNITED (CANADA) LTD.
CENTER: CALGARY, ALBERTA DATE: MAY 1985
DEMULTEPLEX
PROCESSING SAMPLE RATE: 2 MS
PROCESSING RECORD LENGTH: 1.0 SEC
REFORMAT TO: SECT, 32 BIT, FLOATING POINT
AMPLITUDE RECOVERY
AMPLITUDE CORRECTION: TO 400 MS
EXPONENTIAL GAIN: 14dB/SEC
DECONVOLUTION
TIME CONSTANT: 80 MS
OPERATOR LENGTH: 80 MS
PREWHITE: 0.15
DESIGN WINDOW LENGTH: 6.00 MS
STATICS
SHOT SHOT AND RECEIVER STATICS
DATE/TIME: 300 METERS
REPLACEMENT VELOCITY: 4500 M/S
WEATHERING VELOCITY: 610 M/S
PRELIMINARY VELOCITY ANALYSIS
TYPE: DOVE VELOCITY SPECTRA (DATUM REFERENCED)
INTERVAL: EVERY 4 KA
RESIDUAL STATICS
TYPE: SURFACE CORRECTION
WINDOW: 300 TO 600 MS
VELOCITY ANALYSIS
TYPE: DOVE VELOCITY SPECTRA (DATUM REFERENCED)
INTERVAL: EVERY 2 KA
VERIFICATION: COMMON OFFSET STACK
NMO
INTERVAL VELOCITIES COMPUTED BY DIX EQUATION
FRONT MUTE
RANGE (M): 200 300 1000 2440
TIME (MS): 0 300 1000 1100
CDP STACK
100% 1200%
WAVE EQUATION MIGRATION
80 PCT. OF INTERVAL VELOCITY APPLIED
FILTER
TYPE: TRANSVERSAL ZERO PHASE
20 - 25 - 80 - 100 HZ
TRACE EQUALIZATION
RISING WINDOW LENGTH: 400 MS
RECHIRP: 100
DISPLAY
HORIZONTAL SCALE: 86 TR/INCH
VERTICAL SCALE: 7.5 INCHES/SEC
REMARKS
ONE TES ESTIMATED FROM UTAL

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



