

R515-11 41582



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: 1220-40-0-40-1220 METERS
INSTRUMENTS
NAME/MODEL: DPS V
SAMPLE RATE: 2 HZ
RECORD LENGTH: 4 SEC
FILTER: 27 Hz - 128/72 HZ/Oct/Oct
NOTCH FILTER: OUT
LATE FORMAT: 6008 120 TRACES
RECEIVERS
TYPE: GEOSPAC 08300 14 HZ
NUMBER PER GROUP: 5
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

DEMULTEX
PROCESSING SAMPLE RATE: 2 HZ
PROCESSING RECORD LENGTH: 1.0 SEC
REFORMAT TO: SEGY, 32 BIT, FLOATING POINT
AMPLITUDE RECOVERY
AMPLITUDE RECOVERY: TO 400 HZ
EXPONENTIAL GAIN: 1.48/SEC
DECONVOLUTION
TYPE: TIME CONSTANT
OPERATOR LENGTH: 80 MS
REVERSE: 0.15
DESIGN WINDOW LENGTH: 600 MS
STATICS
SHOT SHOT AND RECEIVER STATICS
DATE: 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 CONSISTENT
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 OLS EQUATION
FRONT MUTE
RANGE (M) TIME (MS)
200 0
280 300
1200 1000
2440 1100
CDP STACK
FOLD: 1200
WAVE EQUATION MIGRATION
NO PCT. OF INTERVAL VELOCITY APPLIED
FILTER
TYPE: TRANSVERSAL ZERO PHASE
20 - 25 - 50 - 100 HZ
TRACE EQUALIZATION
SIGNAL WINDOW LENGTH: 400 MS
FREQUENCY: 100
DISPLAY
HORIZONTAL SCALE: 86 TR/INCH
VERTICAL SCALE: 7.5 INCHES/SEC
REMARKS
LINE TIES ESTIMATED FROM UTJA

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



