

PROJ. NO.

9 2 2 9 - P 2 8 - 9 E

LINE NO.

8 0 1 3

PART NO.

1 OF 2

R.R. 8X

9-2-83-28-9E



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
PRESS CONFIGURATION: 1220-45-45-1220 METERS
INSTRUMENTS
MARKER/MODEL: SPS V
SAMPLE RATE: 2 MS
RECORD LENGTH: 4 SEC
FILTER: 12/18 - 138/73 HZ/OCT
NOTCH FILTER: OUT
TAPE FORMAT: 8008 120 TRACES
RECEIVERS
TYPE: GECOSPACE G230D 14 HZ
NUMBER PER GROUP: 8
SPACING: 5.5 METERS
SOURCE
TYPE: DYNAMITE
CHARGE SIZE: 1/2 KG. EACH HOLE
SOURCE LAYOUT: 5 HOLES IN LINE OVER 20 M

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

DEMULTIPLY
PROCESSING SAMPLE RATE: 2 MS
PROCESSING RECORD LENGTH: 1.0 SEC
REFORMAT TO: SEGY, 32 BIT, FLOATING POINT
AMPLITUDE RECOVERY
SPHERICAL DIVERGENCE: TO 600 MS
EXPONENTIAL GAIN: 1.48/SEC
DECONVOLUTION
TYPE: CONSTANT
OPERATOR LENGTH: 80 MS
PREWITT: 0.15
DESIGN WINDOW LENGTH: 650 MS
STATICS
DRIFT SHOT AND RECEIVER STATICS: 300 METERS
REPLACEMENT VELOCITY: 4500 M/S
WEATHERING VELOCITY: 610 M/S
PRELIMINARY VELOCITY ANALYSIS
TYPE: DOVE VELOCITY SPECTRA (STATION REFERENCED)
INTERVAL: EVERY 4 KM
RESIDUAL STATICS
TYPE: SURFACE CONSISTENT
WINDOW: 350 TO 650 MS
VELOCITY ANALYSIS
TYPE: DOVE VELOCITY SPECTRA (STATION REFERENCED)
INTERVAL: EVERY 2 KM
VERIFICATION: COMMON OFFSET STACK
NMO
INTERVAL VELOCITIES COMPUTED BY OX EQUATION
FRONT MUTE
RANGE (M): 220
TIME (MS): 0
2400
1000
1100
CDP STACK
FOLD: 1200
WAVE EQUATION MIGRATION
80 PCT. OF INTERVAL VELOCITY APPLIED
FILTER
TYPE: TRAPEZOIDAL, ZERO PHASE
25 - 25 - 50 - 100 HZ
TRACE EQUALIZATION
SIGNAL WINDOW LENGTH: 400 MS
RECHIRP: 100
DISPLAY
HORIZONTAL SCALE: 88 CM/INCH
VERTICAL SCALE: 7.5 INCHES/SEC
REMARKS
LINE YES ESTIMATED FROM UTAL

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



