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PROJ. NO.

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LINE NO.

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PART NO.

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OF

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R.R. 8X



CLIENT: PETRO-CANADA
AREA: CAMERON HILLS
LINE: 8023
SHOTS: 101-275
LOCATION: NORTHWEST TERRITORIES
NTS: 85C
FOLD: 1200%
POLARITY: NORMAL
PROCESS: MIGRATED STACK

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

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

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

RECEIVERS
TYPE: GEOSPACE GS200 14 HZ
NUMBERS 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: 14dB/SEC. FROM 0 TO 2000 MS.

DECONVOLUTION
TIME CONSTANT: SPKING
TYPE: 80 MS
OPERATOR LENGTH: 0.12
PREWRITE: 1100 MS
DESIGN WINDOW LENGTH: 1100 MS

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

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 (M) TIME (MS)
240 0
280 350
720 700
1220 900
2440 1800

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

CDP STACK
FOLD: 1200

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 TR/INCH
VERTICAL SCALE: 7.5 INCHES/SEC

REMARKS: LINE TIES ESTIMATED FROM UTM
SURFACE CONSISTENT SHOT AND RECEIVER STATICS PICKED BETWEEN SP. 259-279

PROCESSED BY: PHILIP LEUNG
QUALITY CONTROL BY: CAROL MORRISON

