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Survey of Canada
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LINE: L8093
S.P. RANGE: 101 - 351
MIGRATION

NORMAL POLARITY
NORTHEAST

PETRO CANADA INC.

AREA: CAMERON HILLS
REPLACEMENT VELOCITY: 2100 M/SEC
PROCESSING DATUM ELEVATION: 850 METERS
DISPLAY DATUM ELEVATION: 750 METERS
SURVEY DATE: MARCH 1989
RECORDED BY: WESTERN GEOPHYSICAL
PARTY: 363

RECORDING INFORMATION
SOURCE:
ENERGY SOURCE: DYNAMITE
CHARGE SIZE: 9.5 KG
CHARGE DEPTH: 9 METERS
SOURCE TO FIRST RECEIVER: 40 METERS
SHOT POINT INTERVAL: 100 METERS
INSTRUMENTS:
AMPLIFIER: 12 - 0.5 S
FILTER: 12 - 120 HZ
RECORD LENGTH: 4 SEC
50 HZ NOTCH FILTER: 4 SEC
TAPE FORMAT: SEC-9
PREAMP GAIN: 50 DB
RECEIVERS:
GEOPHONE TYPE: MARK 10 HZ
GEOPHONES PER GROUP: 9 OVER 20 METERS
GROUP RECORDING: 120
PERCENT COVERAGE: 20 METERS
SPREAD GEOMETRY:
SOURCE: 120 - 51
TRACE: 60 - 1
DISTANCE: 120M 40M 120M
DIRECTION: SOUTHWEST NORTHEAST

PROCESSED BY
WESTERN GEOPHYSICAL
CALGARY, ALBERTA

PROCESSING SEQUENCE AND PARAMETERS
PROCESSING SAMPLE INTERVAL: 2 MSEC
DEMULTIPLY: 1
MULTIPLY: 1
SPLIT LENGTH: 5 SECONDS
PRE-PROCESSOR
LINE GEOMETRY AND FIELD STATICS
INSTRUMENT & GEOPHONE PHASE COMPENSATION
AMPLITUDE COMPENSATION
TIME FUNCTION EXPONENT: 1.75
DECONVOLUTION
TYPE: MINIMUM PHASE INVERSE FILTER
ONE WINDOW: START TIME: 50 MSEC
STOP TIME: 100 MSEC
MINIMUM PREDICTION DISTANCE: 1700 MSEC
OPERATOR LENGTH: 120 MSEC
PERCENT WHITE LIGHT: 0.12
TRACE BALANCE (2000 RMS)
DRIFT & WEATHERING STATICS (P.E.E.L.R.)
PATH ESTIMATION & EMPIRICAL LATENCY REDUCTION
PRELIMINARY VELOCITY ANALYSIS
TYPE: VELAMP
SEMBLANCE
AUTOMATIC SURFACE CONSISTANT STATICS
CORRELATION WINDOW: 100-1200 MSEC
MAXIMUM SHIFT: 35 MSEC
VELOCITY ANALYSIS
TYPE: EXPANDED VELOCITY ANALYSIS
VELAMP
SEMBLANCE
AUTOMATIC SURFACE CONSISTANT STATICS
CORRELATION WINDOW: 100-1200 MSEC
MAXIMUM SHIFT: 12 MSEC
MULTIPLE F-K FILTER IN SHOT DOMAIN
TEMPORARILY AND CORRECTED BY 802 STACKING VELOCITY
DIP: -20 TO -1 MSEC PER TRACE SELECT FAN
TAPER +/- 4 S +/- 5 MSEC PER TRACE
VELOCITY VERIFICATION
COMMON OFFSET STACKS WITH NMO AND STATICS APPLIED
NORMAL MOVEOUT APPLICATION
MUTE
OFFSET IN M: 201 150
800 450
1200 850
2000 1400
TIME IN MSEC
TRIM STACK (1200 Z)
WITH EDP CORRELATION TRIM STATICS
CORRELATION WINDOW: 100-1200 MSEC
MAXIMUM SHIFT: 35 MSEC
MODELS: 3 TRACES
FINITE DIFFERENCE MIGRATION
MIGRATION VELOCITY: 100 %
NUMBER OF CASCADES: 10
BAND PASS FILTER
12 HZ - 85 HZ PER OCTAVE
AMPLITUDE DECAY ANALYSIS GAIN RECOVERY
MOVE TO DISPLAY DATUM
DISPLAY ON FILM

DISPLAY PARAMETERS
HORIZONTAL SCALE: 24 TRACES PER INCH
VERTICAL SCALE: 7.5 INCHES PER SECOND
PLOTING GAIN: 1.5 DB





