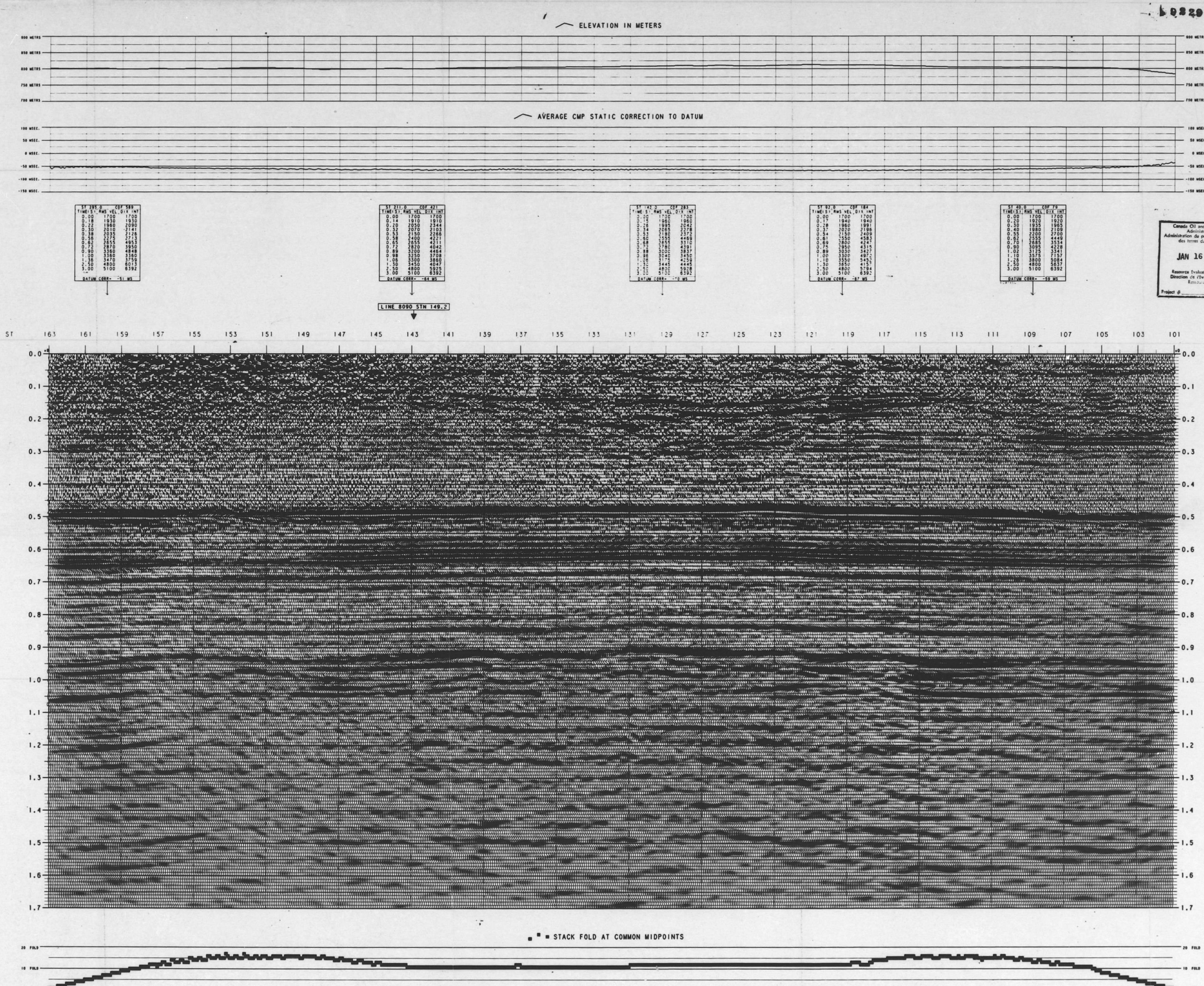




LINE: L8091
S.P. RANGE: 101 - 163
MIGRATION

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: 3 BY 15
CHARGE DEPTH: 8 METERS
SOURCE TO FIRST RECEIVER: 40 METERS
INTERVAL: 100 METERS

INSTRUMENTS:
AMPLIFIER: OFS 5
FILTER: 12 - 128 HZ
SAMPLING INTERVAL: 4 SEC
60 HZ NOTCH FILTER: ON
TAPE FORMAT: SEC 8
PRELAP: 30 DB

RECEIVERS:
GEOPHONE TYPE: MARK 10 HZ
GEOPHONES PER GROUP: 9 OVER 20 METERS
GROUPS RECORDED: 20
GROUP INTERVAL: 20 METERS
PERCENT COVERAGE: 1200 X

SPREAD GEOMETRY:
SOURCE: 120-----01 60-----1
TRACE: 1220M 40M 1220M
DISTANCE: SOUTHWEST 40M NORTHEAST
DIRECTION: SOUTHWEST 40M NORTHEAST

PROCESSED BY
WESTERN GEOPHYSICAL
CALGARY, ALBERTA

PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLE INTERVAL: 2 MSEC
DEMULTIPLY: INDIVIDUAL TRACE EDIT
DATA LENGTH: 3 SECONDS

PRE-PROCESSOR
LINE GEOMETRY AND FIELD STATISTICS
INSTRUMENT & GEOPHONE PHASE COMPENSATION
AMPLITUDE COMPENSATION
TIME FUNCTION EXPONENT: 1.75

DECONVOLUTION
TYPE: MINIMUM PHASE INVERSE FILTER
ONE WINDOW: START TIME: NEAR TRACE 50 MSEC
STOP TIME: LINEAR MOVEOUT VELOCITY 1800 M/S
MINIMUM PREDICTION DISTANCE: 2 MSEC
OPERATOR LENGTH: 120 MSEC
PERCENT WHITE LIGHT: 0.15

TRACE BALANCE (2000 RMS)
DRIFT & WEATHERING STATISTICS (P.E.E.L.B.)
PAIN ESTIMATION & SURFICIAL LATTICE REDUCTION

PRELIMINARY VELOCITY ANALYSIS
TYPE: VELOCITY
AUTOMATIC SURFACE CONSISTANT STATICS
CORRELATION WINDOW: 100-1200 MSEC
MAXIMUM SHIFT: 30 MSEC

VELOCITY ANALYSIS
TYPE: VELOCITY
AUTOMATIC SURFACE CONSISTANT STATICS
CORRELATION WINDOW: 100-1200 MSEC
MAXIMUM SHIFT: 12 MSEC

MULTIPLE F-R FILTER IN SHOT DOMAIN
TEMPORALLY HMO CORRECTED BY HMO STACKING VELOCITY
DIP: 20 TO -1 MSEC PER TRACE REJECT FAN
TAPER: 1/2 @ 0.5 MSEC PER TRACE

VELOCITY VERIFICATION
COMMON OFFSET STACKS WITH HMO AND STATICS APPLIED

NORMAL MOVEOUT APPLICATION
WRITE
OFFSET IN M: 0 150 300 450 600 750 900 1050
TIME IN MS: 0 150 300 450 600 750 900 1050

TRIM STACK (1200 X)
WITH CDP CORRELATION TRIM STATICS
CORRELATION WINDOW: 100-1200 MSEC
MAXIMUM SHIFT: 8 MSEC
MODEL: 3 TRACES

FINITE DIFFERENCE MIGRATION
MIGRATION VELOCITY: 1800 M/S
NUMBER OF CASCADES: 10

BAND PASS FILTER
12/24 - 80/40 MSEC 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: 15 DB