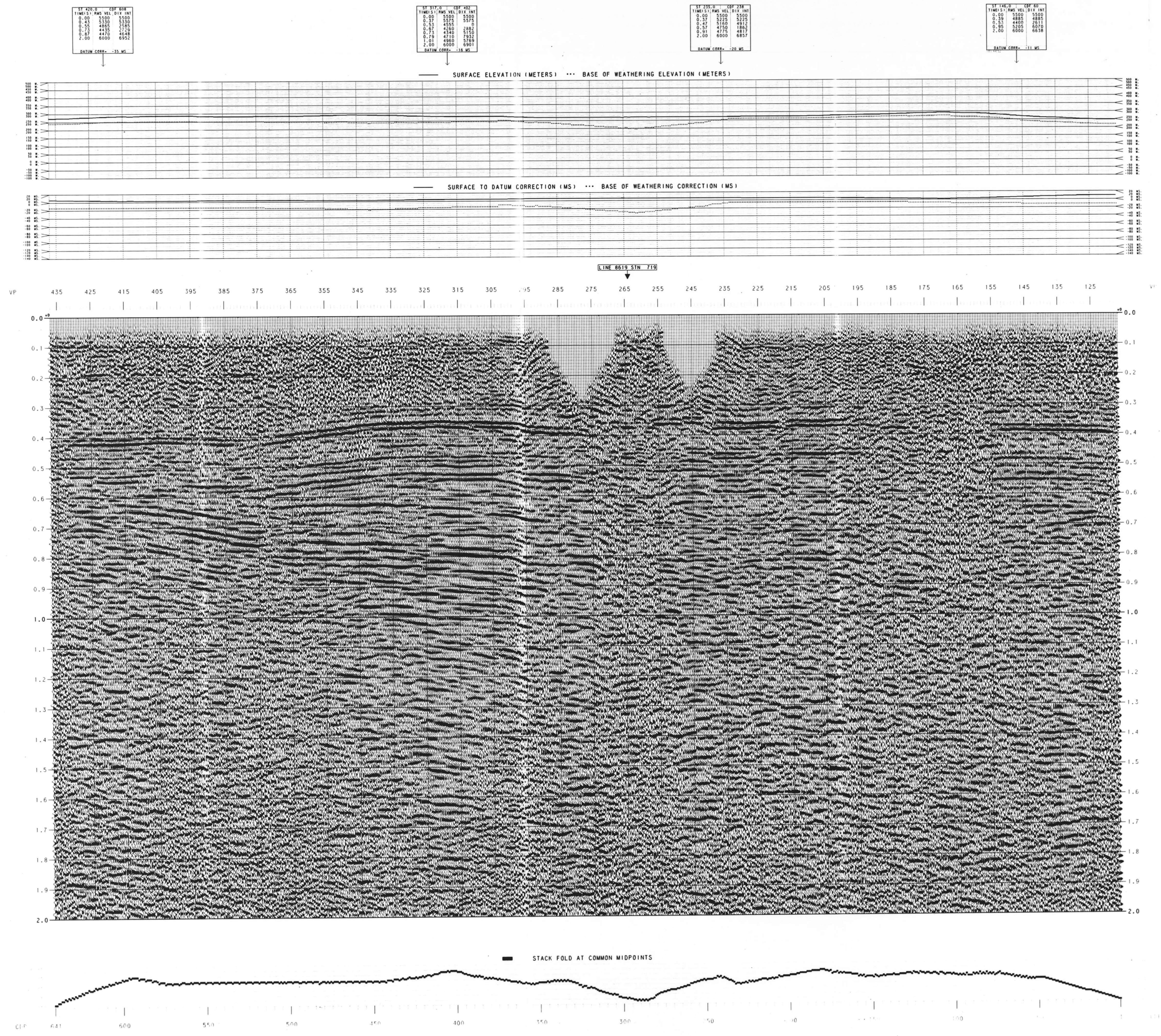




LINE 8632
V.P. 117-439
STRUCTURAL STACK
(DYNAMITE REFRACTION)
NORMAL POLARITY
EAST

PETRO-CANADA INC.

PROCESSED BY WESTERN GEOPHYSICAL DIVISION OF LISTON INDUSTRIES

AREA: NORTH THEED, N.W.T.

SURVEY DATE: JANUARY 1986
PROCESSING DATE: MAY 1986
RECORDED BY: WESTERN GEOPHYSICAL CO. LTD.
REPLACEMENT VELOCITY: 6000 M/SEC
DATUM ELEVATION: 305 METERS

RECORDING INFORMATION

SOURCE:
ENERGY SOURCE: VIBROSEIS
VIBRATOR MODEL: LRS-305
SHEEP FREQUENCY: 20-100 HZ LINEAR
SHEEP LENGTH: 6 SEC
NUMBER OF SHEEPS: 6
ORIG. LENGTH: 40 M
SOURCE TO FIRST RECEIVER: 80 M
VIB. POINT INTERVAL: 40 M
GROUPS DROPPED IN GAP: 7

INSTRUMENTS:
AMPLIFIER: DFS V
FILTER: OUT-128 HZ
SAMPLING INTERVAL: 2 MS
RECORD LENGTH: 9 SEC
60 HZ NOTCH FILTER: OUT
TYPE FORMAT: SEG-B

RECEIVERS:
GEOPHONE TYPE: LRS-1011 14 HZ
GEOPHONES PER GROUP: 9 OVER 20 M
GROUPS RECORDED: 96
GROUP INTERVAL: 20 M
PERCENT COVERAGE: 2400 %

SPREAD GEOMETRY:
SOURCE: 40 M
TRACES: 40
DISTANCE: 1020 M
80 M x 80 M
1020 M

PROCESSING SEQUENCE AND PARAMETERS
PROCESSING SAMPLE INTERVAL: 2 MS.

1. DEMULTIPLY: VIBROSEIS CORRELATION PROCESSED TO 3.0 SECONDS
2. TRACE EDIT: VISUAL QC OF EVERY RECORD
3. GEOMETRY COMPUTATIONS: ELEVATIONS AND DISTANCES
4. 60 HZ NOTCH FILTER
5. F-H DOMAIN FILTERS: ATTENUATE DIPS OF 5 - 12.5 M/SEC
6. PHASE COMPENSATION: LRS-1011 14 HZ GEOPHONES
7. AMPLITUDE COMPENSATION: TIME FUNCTION EXPONENTIAL VALUE OF 2.5
8. ZERO-PHASE FREQUENCY DECONVOLUTION: NEAR TRACE START TIME 200 MS, START TIME VELOCITY 6000 M/SEC, WINDOW LENGTH 1000 MS, PERCENT PRE-WHITENING 0.1 %
9. PREDICTIVE DECONVOLUTION: TYPE: MINIMUM PHASE INVERSE FILTER, NO. OF WINDOWS 1, NEAR TRACE START TIME 200 MS, START TIME VELOCITY 6000 M/SEC, WINDOW LENGTH 1000 MS, WINDOW PREDICTION DISTANCE 20 MS, OPERATOR LENGTH 100 MS, PERCENT PRE-WHITENING 0.1 %
10. C.D.P. SORT
11. STATIC COMPUTATIONS: DYNAMITE REFRACTION RECORDS INTERPRETED BY STATION LRP
12. AUTOMATIC STATISTICS: MUSEUM: WINDOW 250 - 1000 MS, SHIFT LIMIT +/- 24 MS
13. VELOCITY ANALYSIS (VELAMP):
14. NORMAL MOVEOUT CORRECTION
15. MUTE PATTERN: DISTANCE: METERS, TIME (MS): 0, 150, 200, 250, 300, 1000
16. STACK: 2400 % EQUAL WEIGHTS WITH CDP CORRELATION TRIM STATICS
17. TIME VARIANT FILTER: TIME (MS): 0-1000, 20-40 HZ, 10-40 HZ OFF-TAKE, 1200, 20-70 HZ, 10-40 HZ OFF-TAKE
18. REFLECTION STRENGTH GAIN: MAXIMUM STAND OUT AFTER GAIN: 2.0
19. RMS GAIN: 100/600 MS WINDOWS

DISPLAY PARAMETERS
HORIZONTAL SCALE: 24 TRACES PER INCH
VERTICAL SCALE: 7.5 INCHES PER SECOND
PLOTING GAIN: 12 DB