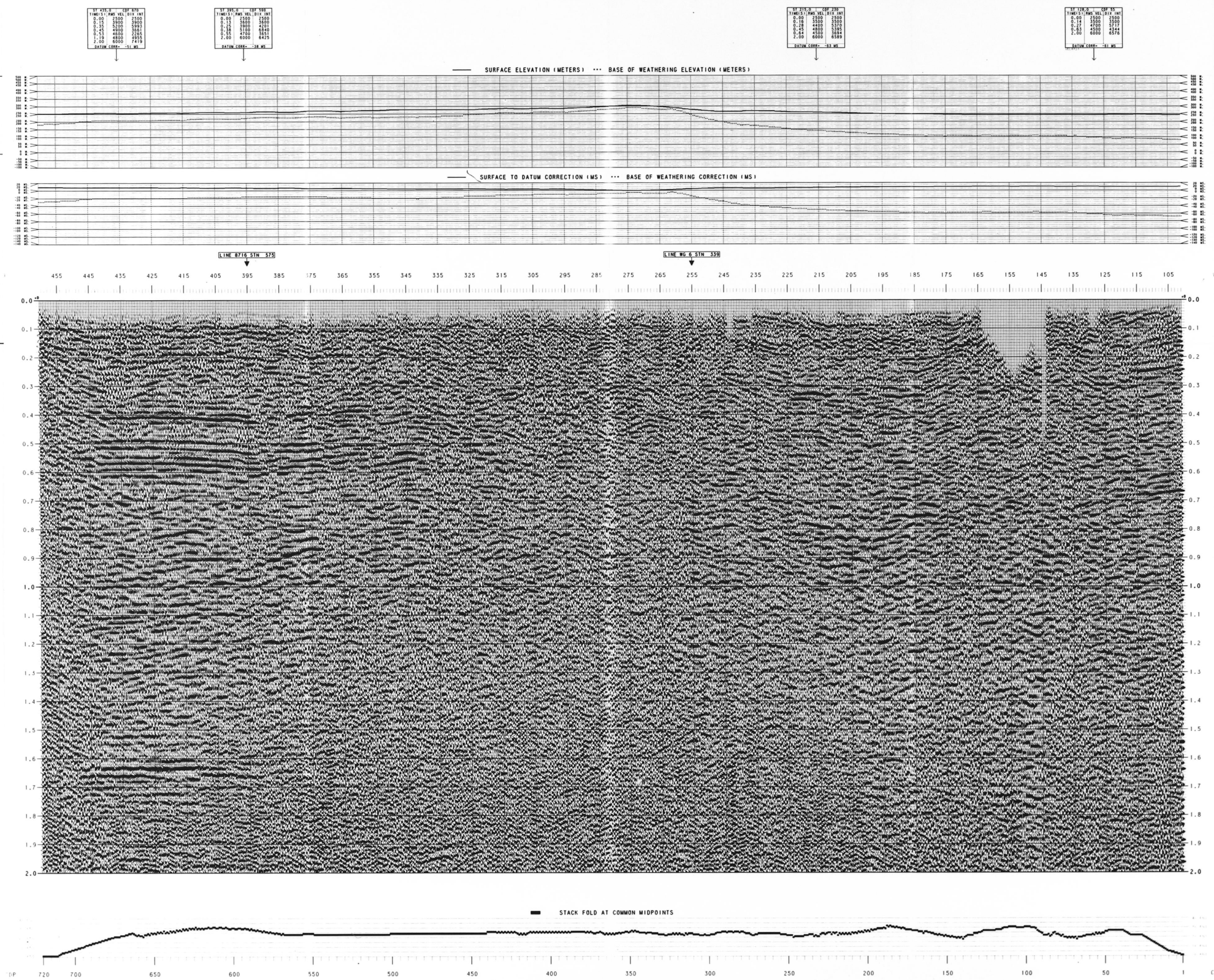




LINE 8721
V.P. 101-461
STRUCTURAL STACK
(DYNAMITE REFRACTION)
REVERSE POLARITY
SOUTH-EAST

100430
PETRO-CANADA INC.

PROCESSED BY WESTERN GEOPHYSICAL DIVISION OF LITTON INDUSTRIES
ARER: COLVILLE, N.W.T.
SURVEY DATE: JANUARY 1985
PROCESSING DATE: MAY 1986
RECORDED BY: WESTERN GEOPHYSICAL CO. LTD.
REPLACEMENT VELOCITY: 8000 M/SEC
DATUM ELEVATION: 305 METERS

RECORDING INFORMATION
SOURCE: VIBROSEIS
VIBRATOR MODEL: LRS-300
SHEEP FREQUENCY: 20-100 HZ LINEAR
SHEEP LENGTH: 12 SEC
NUMBER OF SHEEPS: 6
DRUG LENGTH: 60 M
SOURCE TO FIRST RECEIVER: 60 M
VIB. POINT INTERVAL: 60 M
GROUPS GROUPED IN GPP: 7
INSTRUMENTS:
AMPLIFIER: OPS 1
FILTER: OUT 120 HZ
SAMPLING INTERVAL: 2 MS
RECORD LENGTH: 15 SEC
60 HZ NOTCH FILTER: OUT
TIME FORMAT: SEC-M
RECEIVERS:
GEOPHONE TYPE: LRS-1011 16 HZ
GEOPHONES PER GROUP: 9 OVER 20 M
GROUPS RECORDED: 56
GROUP INTERVAL: 20 M
PERCENT COVERAGE: 2000 X
SPREAD GEOMETRY:
SOURCE: 1
TRACE: 40
DISTANCE: 1000 M 80 M 80 M 1000 M

PROCESSING SEQUENCE AND PARAMETERS
PROCESSING SIMPLE INTERVAL: 2 MS.
1. DEWILTY: 1000
2. BRACKET CORRELATION
PROCESS TO 3.5 SECONDS
3. TRACE EDIT
VISUAL QC OF EVERY RECORD
4. GEOMETRY COMPUTATIONS
ELEVATION AND DISTANCES
5. 60 HZ NOTCH FILTER
F-H DOMAIN FILTER
STRETCH FACTOR OF
-10.5 M/10
6. PHASE CORRECTIONS
LRS-1011 16 HZ GEOPHONES
7. AMPLITUDE CORRECTIONS
TIME FUNCTION: EXPONENTIAL, VALUE OF 2.5
8. ZERO-PHASE FREQUENCY DECONVOLUTION
NO. OF WINDOWS
NEAR TRACE START TIME: 250 MS
START TIME VELOCITY: 6000 M/SEC
WINDOW LENGTH: 1000 MS
PERCENT PRE-WHITENING: 0.1 %
9. PREDICTIVE DECONVOLUTION
LRS-1011 16 HZ GEOPHONES
NEAR TRACE START TIME: 250 MS
START TIME VELOCITY: 6000 M/SEC
WINDOW LENGTH: 1000 MS
MINIMUM PREDICTION DISTANCE: 20 MS
PERCENT LENGTH: 100 MS
PERCENT PRE-WHITENING: 0.1 %
10. C.D.P. SORT
11. STATIC COMPUTATIONS
DYNAMITE REFRACTION RECORDS
12. AUTOMATIC STRETCHING / WIGWAG
WIGWAG
SHIFT LIMIT: 150 - 24 MS
13. VELOCITY ANALYSIS (WIGWAG)
14. NORMAL MOVEMENT CORRECTION
15. WHITE PATTERN
DISTANCE (METERS): 0 200 400 600 800 1000
TIME (MS.): 0 1 2 3 4 5 6 7 8 9
16. STACK
240.0, EQUAL WEIGHTS
WITH CDP CORRELATION TRIM STATISTICS
17. TIME VARIANT FILTER
TIME (MS.): 0 1 2 3 4 5 6 7 8 9
18. REFLECTION STRENGTH GAIN
19. RMS GAIN
100/100 MS WINDOWS

DISPLAY PARAMETERS
HORIZONTAL SCALE: 26 TRACES PER INCH
VERTICAL SCALE: 7.5 INCHES PER SECOND
PLOTting DATA: 12 ON