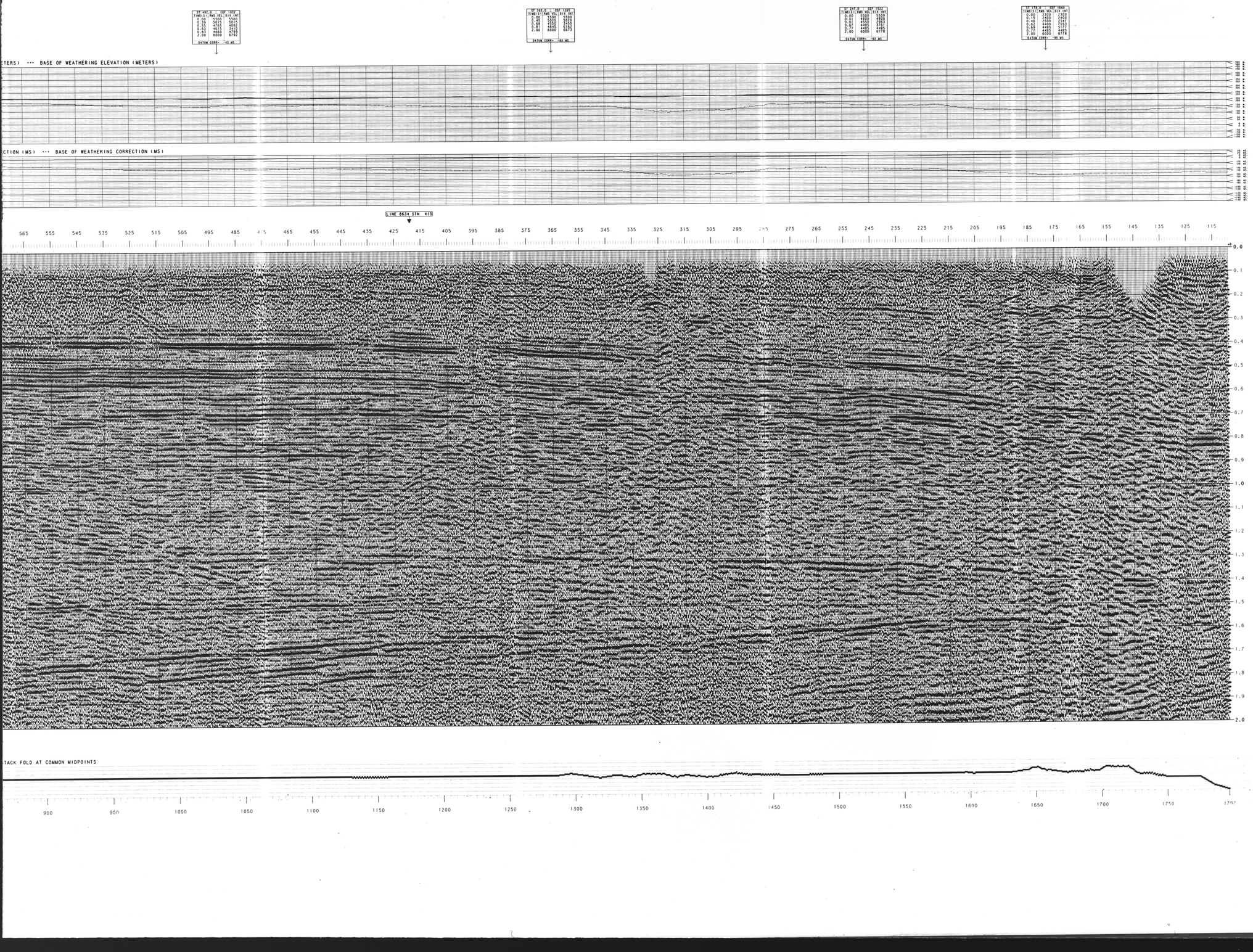

LINE 8619

V.P. 1007-109

STRUCTURAL STACK

(DYNAMITE REFRACTION)

NORMAL POLARITY

NORTH

FOG 433

PETRO-CANADA INC.

PROCESSED BY WESTERN GEOPHYSICAL DIVISION OF LITTON INDUSTRIES

AREA: NORTH TWEED, 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-309
SWEEP FREQUENCY	20-100 HZ LINEAR
SWEEP LENGTH	6 SEC
NUMBER OF SWEEPS	6
DRAG 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
TAPE 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:				
TRACE:	1	48	49	96
DISTANCE:	1020 M	80 M	80 M	1020 M

PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLE INTERVAL 2 MS.

1. DEMULTIPLEX:
   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-K DOMAIN FILTER:
   ATTENUATE DIPS OF
   5 - 12.5 MS/TR
6. PHASE COMPENSATION:
   LRS-1011 14 HZ GEOPHONES
7. AMPLITUDE COMPENSATION:
   TIME FUNCTION EXPONENTIAL VALUE OF 2.5
8. ZERO-PHASE FREQUENCY DECONVOLUTION:

NO. OF WINDOWS	1
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
MINIMUM PREDICTION DISTANCE	20 MS
OPERATOR LENGTH	100 MS
PERCENT PRE-WHITENING	0.1 %

10. G.D.P. SORT
11. STATIC COMPUTATIONS:
    DYNAMITE REFRACTION RECORDS
    INTERPRETED BY SATCOM LTD.
12. AUTOMATIC STATICS (WISER®):
    WINDOW 250 - 1000 MS
    SHIFT LIMIT +/- 24 MS
13. VELOCITY ANALYSIS (VELAN®):
14. NORMAL MOVEOUT CORRECTION
15. MUTE PATTERN:

DISTANCE (METERS)	TIME (MS.)
180	0
280	150
600	280
700	500
1000	1000

16. STACK:
    2400 % EQUAL WEIGHTS
    WITH CDP CORRELATION TRIM STATICS
17. TIME VARIANT FILTER:

TIME (MS)	FILTER APPLIED
0-1000	20-80 HZ, 18/48 DB/OCTAVE
1200-2000	20-70 HZ, 18/48 DB/OCTAVE

18. REFLECTION STRENGTH GAIN:
    MAXIMUM STAND OUT AFTER GAIN: 2.0
19. RMS GAIN:
    100/800 MS WINDOWS

DISPLAY PARAMETERS

HORIZONTAL SCALE	24 TRACES PER INCH
VERTICAL SCALE	7.5 INCHES PER SECOND
PLOTTING GAIN	12 DB

terra surveys ltd.
2080 Walkley Rd. Ottawa, Ont. K1G 3P4
Tel: (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 9 2 2 9 - P 2 8 - 1 2 E

LINE NO. 8 6 1 9

PART NO. 1 OF 2 R.R. 8X

terra
2060 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 9229-P28-12E

LINE NO. 8619

PART NO. 2 OF 2

R.R. 8X