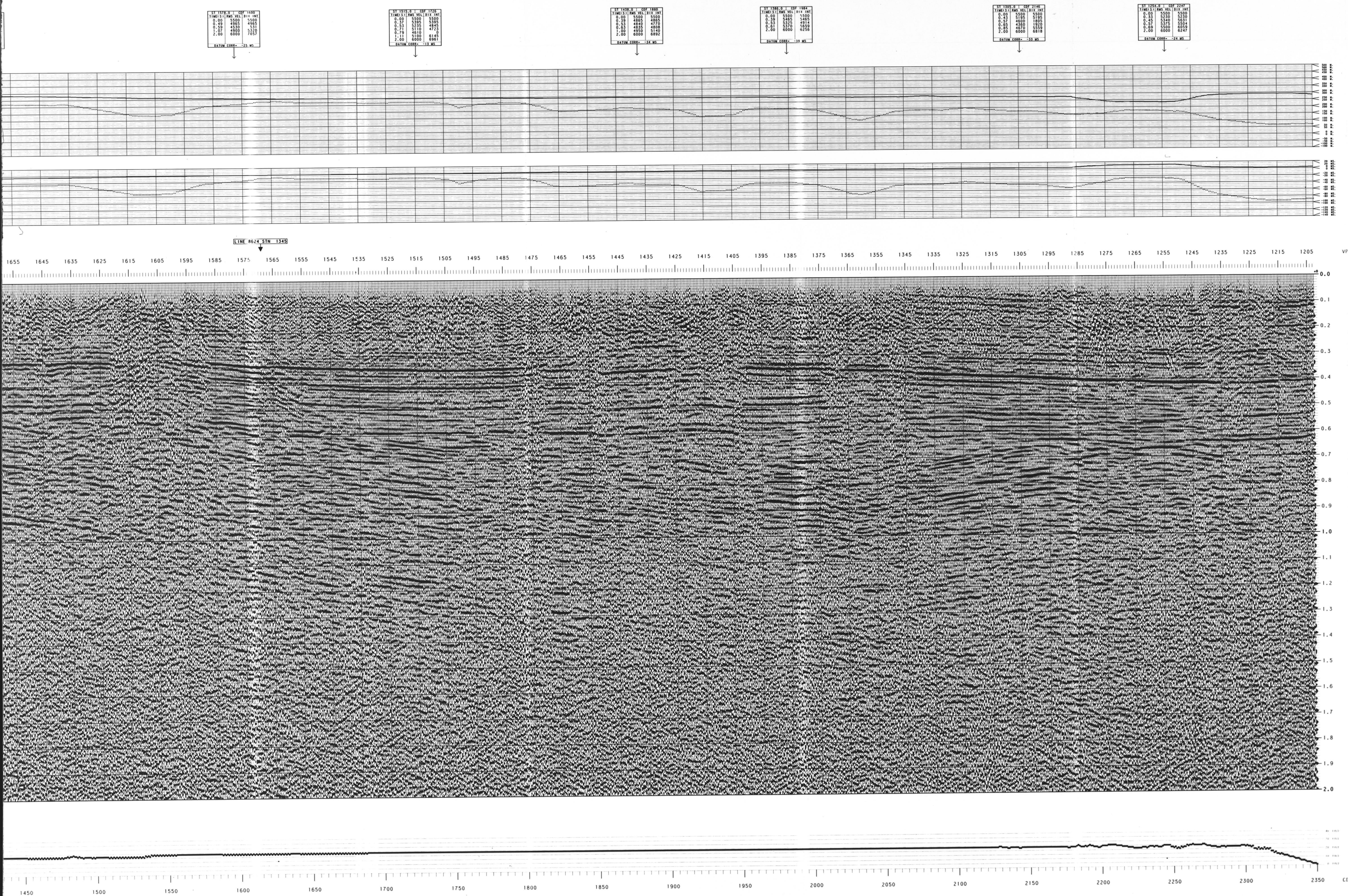


PROJ. NO.

9 2 2 9 - P 2 8 - 1 2 E

LINE NO. 8 6 1 3

PART NO. 1 OF 3 R.R. 8X



9229 - P 28 - 12 E

LINE 8613
V.P. 2377-1201
STRUCTURAL STACK

REVERSE POLARITY

SOUTH-EAST

85 PETRO-CANADA INC.

PROCESSED WESTERN GEOPHYSICAL DIVISION OF LITTON INDUSTRIES

AREA: TWEED LAKE, N.W.T.

SURVEY DATE: FEBRUARY 1985
PROCESSING DATE: FEBRUARY 1986
RECORDED BY: WESTERN GEOPHYSICAL CO. LTD.
REPLACEMENT VELOCITY: 6000 M/SEC
DATUM ELEVATION: 305 METERS

RECORDING INFORMATION

SOURCE:	
ENERGY SOURCE	VIBROSEIS
VIBRATOR MODEL	LAS-309
SWEEP FREQUENCY	20-100 HZ LINEAR
SWEEP LENGTH	4 SEC
NUMBER OF SHEEPS	6
DRAG LENGTH	40 M
SOURCE TO FIRST RECEIVER	60 M
VIB. POINT INTERVAL	40 M
GROUPS DROPPED IN GAP	7

INSTRUMENTS:

AMPLIFIER	DFS V
FILTER	OUT-120 HZ
SAMPLING INTERVAL	2 MS
RECORD LENGTH	7 SEC
60 HZ NOTCH FILTER	OUT
TAPE FORMAT	SEG-B

RECEIVERS:	
GEOPHONE TYPE	LAS-1011 14 MZ
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

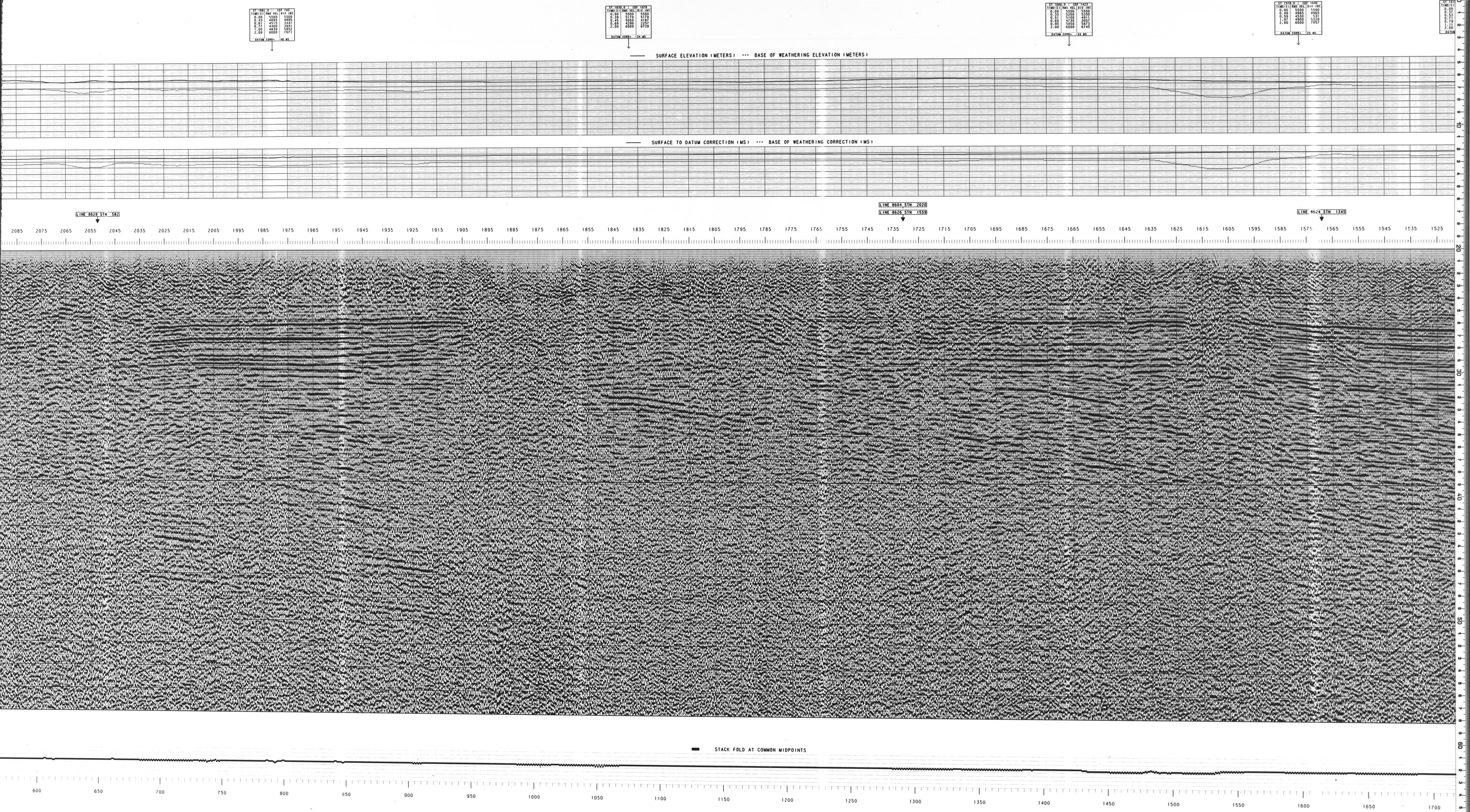
PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLE INTERVAL 2 MS.

1. DEMULTIPLEX:
VIBROFLEX CORRELATION
EXPOSED TO 30 SECONDS
2. TRACE EDIT:
RECORD OR BY EVENT RECORD
3. GEOMETRY COMPUTATIONS:
ELEVATIONS AND DISTANCES
4. 60 KZ MATCH FILTER: 6000 MISC
5. P-K BAND FILTER:
ATTEMPT 100 WINS
5 - 12.5 HZ BAND
6. PHASE COMPENSATION:
185-1011 14 HZ GEOPHONES
7. AMPLITUDE COMPENSATION:
100 WINS FUNCTION EXPONENTIAL VALUE OF 2.5
8. ZERO-PHASE FREQUENCY DECONVOLUTION:
100 WINS
1 NEAR TRACE START TIME 200 WS
100 WINS
WINDOW LENGTH 1000 MISC
100 WINS
TRACE PRE-WHITENING 0.1 2
9. PREDICTIVE DECONVOLUTION:
TIME 1: WINDOWS INVERSE FILTER
NO. OF WINDOWS 1
1 NEAR TRACE START TIME 200 WS
100 WINS
WINDOW LENGTH 1000 MISC
100 WINS
WINDOW PREDICTION DISTANCE 1000 MISC
100 WINS
TRACE PRE-WHITENING 0.1 2
10. C.O.P. SORT
11. STAT. COMPUTATIONS:
MODE BASED REFRACTION
WINDOW LENGTH 100 WINS
WINDOWS AND WINDING CORRECTIONS
200 WINS
12. AUTOMATIC STATISTICS (WISER®):
WINDOW LENGTH 250 WINS
WINDOW LIMIT 160 - 174 WS
13. VELOCITY ANALYSIS (Velo®):
HORIZONTAL MOVEMENT CORRECTION
14. WTE PLOT ANALYSIS:
DISTANCE (METERS) TIME (MS) 1
100 0
200 0
300 0
400 200
500 200
600 200
15. STACKS:
2400 2: EQUAL WEIGHTS
WITH CSE CORRELATION 10W STATISTICS
16. TIME VARIANT FILTER:
TIME (MS) FILTER APPLIED
100-1000 20-90 HZ 16/40 HZ
1000-2000 20-70 HZ 16/40 HZ
REFLECTION STRENGTH GAIN:
WINDING STAY OUT AT GAIN 2.0
17. 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





2000 Wilbur Rd.
Tulsa, OK 74103
Tel: (918) 231-8671
Fax: (918) 231-8672

PROJ. NO. 929-P28-12E

LINE NO. 8613

PART NO. 3 OF 3

R.R. 8X

