

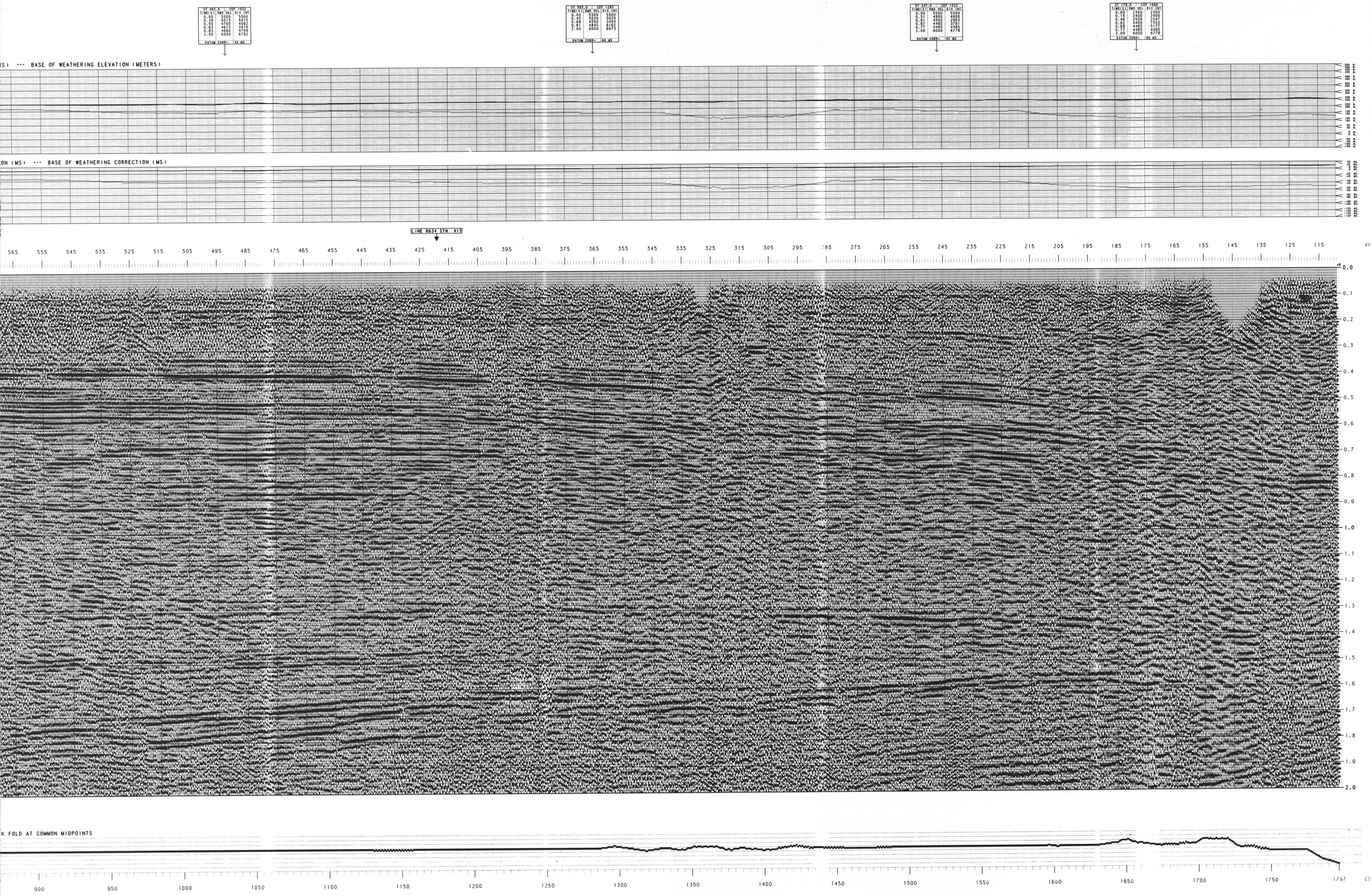


2080 Wabash Rd.
Calgary, Ont.
Tel. (416) 231-5871
Cable: TERRA
PROJ. NO. 9 2 29 - P 2 8 - 1 2 E

LINE NO. 8 6 1 9

PART NO. 1 OF 2

R.R. 8X



LINE 8619
V.P. 1007-109
STRUCTURAL STACK
(DYNAMITE REFRACTION)
REVERSE POLARITY

PETRO-CANADA INC.

PROCESSED BY WESTERN GEOPHYSICAL DIVISION OF LITTON 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: VIBROSEIS
ENERGY SOURCE: LRS-309
VIBRATOR MODEL: 20-100 HZ LINEAR
SHEEP FREQUENCY: 6 SEC
SHEEP LENGTH: 6 SEC
NUMBER OF SHEEPS: 6
DRUG LENGTH: 60 M
SOURCE TO FIRST RECEIVER: 80 M
VIB. POINT INTERVAL: 40 M
GROUPS DROPPED IN GRP: 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-9
RECEIVERS:
GEOPHONE TYPE: LRS-1011 14 HZ
GEOPHONES PER GROUP: 9 OVER 20 M
GROUPS RECORDED: 98
GROUP INTERVAL: 20 M
PERCENT COVERAGE: 2400 %
SPREAD GEOMETRY:
SOURCE: 1 40 40 90
TRACE: 100 M 80 M 80 M 100 M
DISTANCE: 100 M 80 M 80 M 100 M

PROCESSING SEQUENCE AND PARAMETERS
PROCESSING SAMPLE INTERVAL: 2 MS.
1. DEMULTIPLIER:
VIBROSEIS CORRELATION
PROCESS 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 SIPS OF
5 - 12.5 M/10
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: 200 MS
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: 200 MS
NEAR TRACE START TIME: 200 MS
START TIME VELOCITY: 6000 M/SEC
WINDOW LENGTH: 1000 MS
MINIMUM PREDICTION DISTANCE: 20 MS
OPERATE LENGTH: 100 MS
PERCENT PRE-WHITENING: 0.1 %
10. C.D.P. SORT
11. STATIC COMPUTATIONS:
DYNAMIC REFRACTION RECORDS
INTERPRETED BY STATCON LTD.
12. AUTOMATIC STATICS (MSEW):
WINDOW: 250 - 1000 MS
SHIFT LIMIT: 24 MS
13. VELOCITY ANALYSIS (VELAMP):
14. NORMAL MOVEOUT CORRECTION
15. MUTE PATTERN:
DISTANCE (METERS): 100 200 300 400 500 600 700 800 900 1000
TIME (MS.): 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000
16. STACK:
2400 % EQUAL WEIGHTS
WITH CDP CORRELATION TRIM STATICS
17. TIME VARIANT FILTER:
TIME (MS.): 0-1000 20-90 HZ 10-100 HZ
1200-1000 20-10 HZ 10-10 HZ
18. REFLECTION STRENGTH GAIN:
MAXIMUM STAND OUT AFTER GAIN: 2.0
19. RMS GAIN:
100/000 MS WINDOWS

DISPLAY PARAMETERS
HORIZONTAL SCALE: 20 TRACES PER INCH
VERTICAL SCALE: 7.5 INCHES PER SECOND
PLOTING GAIN: 12 DB

TIME (S)	RAW VEL. (M/S)	INT. VEL. (M/S)
0.00	5100	5100
0.05	4840	4840
0.10	4610	4610
0.15	4410	4410
0.20	4230	4230
0.25	4070	4070
0.30	3930	3930
0.35	3810	3810
0.40	3710	3710
0.45	3620	3620
0.50	3540	3540
0.55	3470	3470
0.60	3410	3410
0.65	3360	3360
0.70	3320	3320
0.75	3290	3290
0.80	3260	3260
0.85	3240	3240
0.90	3220	3220
0.95	3210	3210
1.00	3200	3200
1.05	3190	3190
1.10	3180	3180
1.15	3170	3170
1.20	3160	3160
1.25	3150	3150
1.30	3140	3140
1.35	3130	3130
1.40	3120	3120
1.45	3110	3110
1.50	3100	3100
1.55	3090	3090
1.60	3080	3080
1.65	3070	3070
1.70	3060	3060
1.75	3050	3050
1.80	3040	3040
1.85	3030	3030
1.90	3020	3020
1.95	3010	3010
2.00	3000	3000

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0.85	3240	3240
0.90	3220	3220
0.95	3210	3210
1.00	3200	3200
1.05	3190	3190
1.10	3180	3180
1.15	3170	3170
1.20	3160	3160
1.25	3150	3150
1.30	3140	3140
1.35	3130	3130
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