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

LINE NO. 8 6 3 4

PART NO. 1 OF 2

R.R. 8X

LINE NO. 8 6 3 4

PART NO. 1 OF 2

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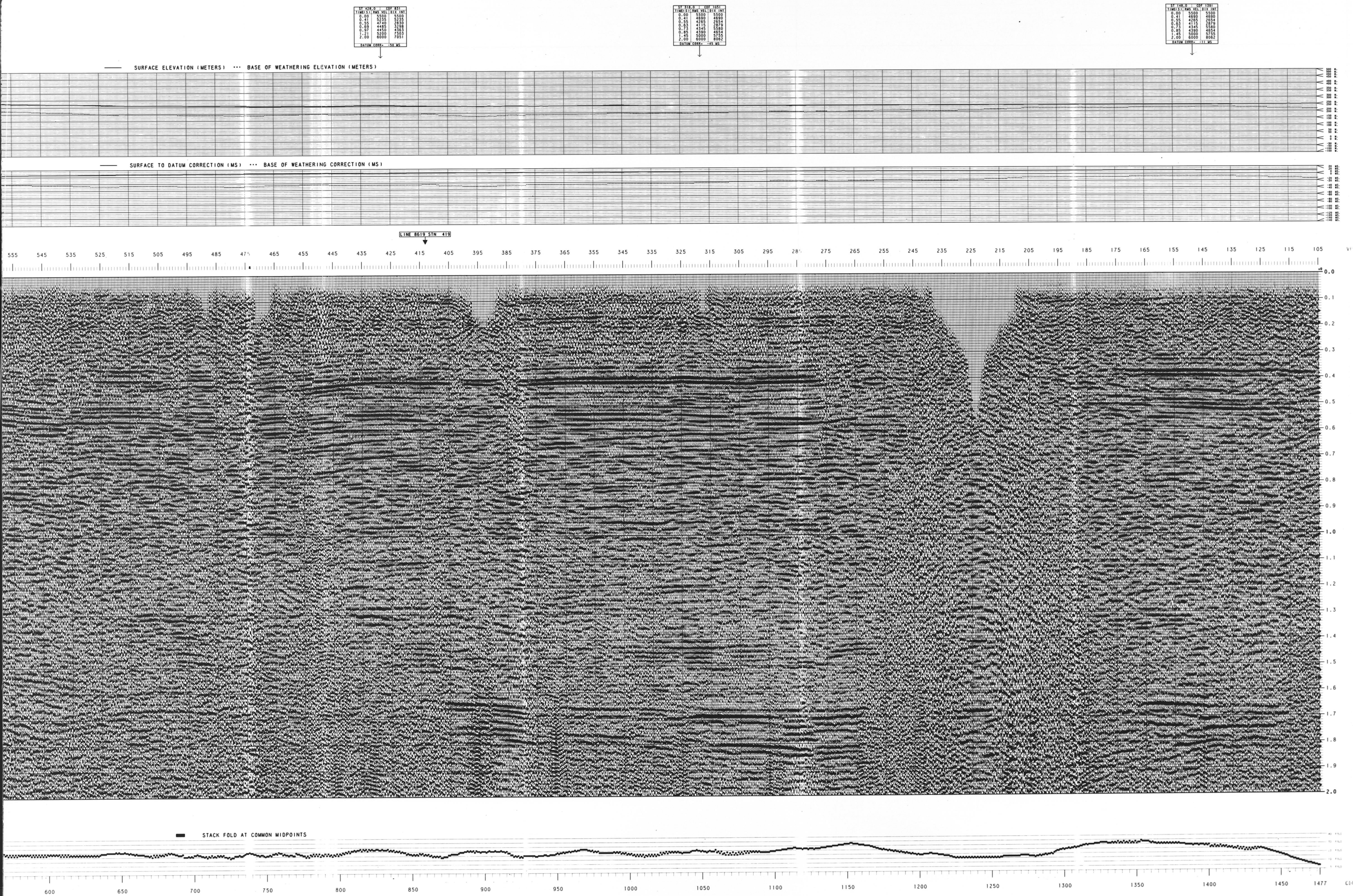
PART NO. 1 OF 2

R.R. 8X

LINE NO. 8 6 3 4

PART NO. 1 OF 2

R.R. 8X



LINE 8634
V.P. 843-101
STRUCTURAL STACK
(DYNAMITE REFRACTION)
REVERSE POLARITY

PETRO-CANADA INC.

PROCESSED BY WESTERN GEOPHYSICAL DIVISION OF LYTON INDUSTRIES

AREA: NORTH THEED. N.N.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
SHEEP FREQUENCY: 20-100 HZ LINEAR
SHEEP LENGTH: 6 SEC
NUMBER OF SHEEPS: 6
DRUG LENGTH: 60 M
SOURCE TO FIRST RECEIVER: 60 M
VIB. POINT INTERVAL: 60 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
TIME FORMAT: SEC-B

RECEIVERS:
GEOPHONE TYPE: LRS-1011 1/4 HZ
GEOPHONES PER GROUP: 9 OVER 20 M
GROUPS RECORDED: 9
GROUP INTERVAL: 20 M
PERCENT COVERAGE: 2400 %

SPREAD GEOMETRY:
SOURCE: 1
TRACE: 48
DISTANCE: 1020 M 80 M 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. P-H DOMAIN FILTER:
ATTENUATE DIPS OF
5 - 12.5 M/SEC
6. PHASE COMPENSATION:
LRS-1011 1/4 HZ GEOPHONES
7. AMPLITUDE COMPENSATION:
TIME FUNCTION EXPONENTIAL VALUE OF 2.5
8. ZERO-PHASE FREQUENCY DECONVOLUTION:
NO. OF WINDOWS
NEAR TRACE START TIME
START TIME VELOCITY
WINDOW LENGTH
PERCENT PRE-WHITENING
0.1 %
9. PREDICTIVE DECONVOLUTION:
TYPE: MINIMUM PHASE INVERSE FILTER
NO. OF WINDOWS
NEAR TRACE START TIME
START TIME VELOCITY
WINDOW LENGTH
MINIMUM PREDICTION DISTANCE
OPERATOR LENGTH
PERCENT PRE-WHITENING
0.1 %
10. C.O.P. SORT
11. STATIC COMPUTATIONS:
DYNAMITE REFRACTION RECORDS
INTERPRETED BY STATION 130
SHIFT LIMIT
250 - 1000 MS
+/- 24 MS
12. AUTOMATIC STATISTICS (MISER):
WINDOW
SHIFT LIMIT
250 - 1000 MS
+/- 24 MS
13. VELOCITY ANALYSIS (VELAMP):
TIME (MS)
0-1000 20-90 HZ, 18/AS 90/OCTAVE
1200-2000 20-70 HZ, 18/AS 90/OCTAVE
14. REFLECTION STRENGTH GAIN:
MAXIMUM STAND OUT AFTER GAIN: 2.0
15. MUTE PATTERN:
DISTANCE (METERS) TIME (MS):
180 0
280 0
600 280
700 500
1000 1000
16. STACK:
2400 3. EQUAL WEIGHTS
WITH CDP CORRELATION TRIM STATICS
17. TIME VARIANT FILTER:
TIME (MS)
0-1000 20-90 HZ, 18/AS 90/OCTAVE
1200-2000 20-70 HZ, 18/AS 90/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
PLOTING GAIN: 10 DB

TIME (S)	WELL NO.	WELL ID
0.00	1000	1000
0.05	1000	1000
0.10	1000	1000
0.15	1000	1000
0.20	1000	1000
0.25	1000	1000
0.30	1000	1000
0.35	1000	1000
0.40	1000	1000
0.45	1000	1000
0.50	1000	1000
0.55	1000	1000
0.60	1000	1000
0.65	1000	1000
0.70	1000	1000
0.75	1000	1000
0.80	1000	1000
0.85	1000	1000
0.90	1000	1000
0.95	1000	1000
1.00	1000	1000
1.05	1000	1000
1.10	1000	1000
1.15	1000	1000
1.20	1000	1000
1.25	1000	1000
1.30	1000	1000
1.35	1000	1000
1.40	1000	1000
1.45	1000	1000
1.50	1000	1000
1.55	1000	1000
1.60	1000	1000
1.65	1000	1000
1.70	1000	1000
1.75	1000	1000
1.80	1000	1000
1.85	1000	1000
1.90	1000	1000
1.95	1000	1000
2.00	1000	1000

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0.20	1000	1000
0.25	1000	1000
0.30	1000	1000
0.35	1000	1000
0.40	1000	1000
0.45	1000	1000
0.50	1000	1000
0.55	1000	1000
0.60	1000	1000
0.65	1000	1000
0.70	1000	1000
0.75	1000	1000
0.80	1000	1000
0.85	1000	1000
0.90	1000	1000
0.95	1000	1000
1.00	1000	1000
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1.85	1000	1000
1.90	1000	1000
1.95	1000	1000
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0.55	1000	1000
0.60	1000	1000
0.65	1000	1000
0.70	1000	1000
0.75	1000	1000
0.80	1000	1000
0.85	1000	1000
0.90	1000	1000
0.95	1000	1000
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0.65	1000	1000
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0.75	1000	1000
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0.85	1000	1000
0.90	1000	1000
0.95	1000	1000
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1.50	1000	1000
1.55	1000	1000
1.60	1000	1000
1.65	1000	1000
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1.80	1000	1000
1.85	1000	1000
1.90	1000	1000
1.95	1000	1000
2.00	1000	1000

