



2000 Whiskey Rd.
Ottawa, Ont.
Canada K1G 3P5
Tel: (613) 731-9571
Cable: TERRA
PROJ. NO. 9 2 2 9 - P 2 8 - 1 2 E

LINE NO. 8 6 2 8

PART NO. 1 OF 2

R.R. 8X

LINE NO. 8 6 2 8

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R.R. 8X

TIME (S)	RAW VEL (IN)	EXP (S)
0.00	0.00	0.00
0.05	0.00	0.00
0.10	0.00	0.00
0.15	0.00	0.00
0.20	0.00	0.00
0.25	0.00	0.00
0.30	0.00	0.00
0.35	0.00	0.00
0.40	0.00	0.00
0.45	0.00	0.00
0.50	0.00	0.00
0.55	0.00	0.00
0.60	0.00	0.00
0.65	0.00	0.00
0.70	0.00	0.00
0.75	0.00	0.00
0.80	0.00	0.00
0.85	0.00	0.00
0.90	0.00	0.00
0.95	0.00	0.00
1.00	0.00	0.00
1.05	0.00	0.00
1.10	0.00	0.00
1.15	0.00	0.00
1.20	0.00	0.00
1.25	0.00	0.00
1.30	0.00	0.00
1.35	0.00	0.00
1.40	0.00	0.00
1.45	0.00	0.00
1.50	0.00	0.00
1.55	0.00	0.00
1.60	0.00	0.00
1.65	0.00	0.00
1.70	0.00	0.00
1.75	0.00	0.00
1.80	0.00	0.00
1.85	0.00	0.00
1.90	0.00	0.00
1.95	0.00	0.00
2.00	0.00	0.00

TIME (S)	RAW VEL (IN)	EXP (S)
0.00	0.00	0.00
0.05	0.00	0.00
0.10	0.00	0.00
0.15	0.00	0.00
0.20	0.00	0.00
0.25	0.00	0.00
0.30	0.00	0.00
0.35	0.00	0.00
0.40	0.00	0.00
0.45	0.00	0.00
0.50	0.00	0.00
0.55	0.00	0.00
0.60	0.00	0.00
0.65	0.00	0.00
0.70	0.00	0.00
0.75	0.00	0.00
0.80	0.00	0.00
0.85	0.00	0.00
0.90	0.00	0.00
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1.15	0.00	0.00
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1.30	0.00	0.00
1.35	0.00	0.00
1.40	0.00	0.00
1.45	0.00	0.00
1.50	0.00	0.00
1.55	0.00	0.00
1.60	0.00	0.00
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1.70	0.00	0.00
1.75	0.00	0.00
1.80	0.00	0.00
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0.35	0.00	0.00
0.40	0.00	0.00
0.45	0.00	0.00
0.50	0.00	0.00
0.55	0.00	0.00
0.60	0.00	0.00
0.65	0.00	0.00
0.70	0.00	0.00
0.75	0.00	0.00
0.80	0.00	0.00
0.85	0.00	0.00
0.90	0.00	0.00
0.95	0.00	0.00
1.00	0.00	0.00
1.05	0.00	0.00
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1.15	0.00	0.00
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1.40	0.00	0.00
1.45	0.00	0.00
1.50	0.00	0.00
1.55	0.00	0.00
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1.70	0.00	0.00
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0.30	0.00	0.00
0.35	0.00	0.00
0.40	0.00	0.00
0.45	0.00	0.00
0.50	0.00	0.00
0.55	0.00	0.00
0.60	0.00	0.00
0.65	0.00	0.00
0.70	0.00	0.00
0.75	0.00	0.00
0.80	0.00	0.00
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0.90	0.00	0.00
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1.20	0.00	0.00
1.25	0.00	0.00
1.30	0.00	0.00
1.35	0.00	0.00
1.40	0.00	0.00
1.45	0.00	0.00
1.50	0.00	0.00
1.55	0.00	0.00
1.60	0.00	0.00
1.65	0.00	0.00
1.70	0.00	0.00
1.75	0.00	0.00
1.80	0.00	0.00
1.85	0.00	0.00
1.90	0.00	0.00
1.95	0.00	0.00
2.00	0.00	0.00

SURFACE ELEVATION (METERS) --- BASE OF WEATHERING ELEVATION (METERS)

SURFACE TO DATUM CORRECTION (MS) --- BASE OF WEATHERING CORRECTION (MS)

LINE 8628 STN 1860

LINE 8628 STN 779

46579 R748-01

LINE 8628
V.P. 101-713
STRUCTURAL STACK

NORMAL POLARITY
EAST

PETRO-CANADA INC.

PROCESSED BY WESTERN GEOPHYSICAL DIVISION OF LITTON INDUSTRIES

AREA: THEED LAKE, N.W.T.

SURVEY DATE: JANUARY 1986
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: LRS-300
SWEEP FREQUENCY: 20-100 HZ LINEAR
SWEEP LENGTH: 6 SEC
NUMBER OF SWEEPS: 6
DRAG LENGTH: 40 M
SOURCE TO FIRST RECEIVER: 40 M
VIB. POINT INTERVAL: 40 M
GROUPS DROPPED IN GAP: 7

INSTRUMENTS:
AMPLIFIER: OPS V
FILTER: OUT-120 HZ
SAMPLING INTERVAL: 2 MS
RECORD LENGTH: 6 SEC
60 HZ NOTCH FILTER: OUT
TAPE FORMAT: SEC-B

RECEIVERS:
GEOPHONE TYPE: LRS-1011 14 HZ
GEOPHONES PER GROUP: 6 OVER 20 M
GROUPS RECORDED: 96
GROUP INTERVAL: 200 M
PERCENT COVERAGE: 200 %

SPREAD GEOMETRY:
SOURCE: 1
TRACE: 48
DISTANCE: 1020 M 40 M 40 M 1020 M

PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLE INTERVAL 2 MS.

1. DEMULTIPLEX:
VIBROSEIS CORRELATION
PROCESSED TO 3.0 SECONDS
2. TRACE EDIT:
VIBROSEIS OF EVERY RECORD
3. GEOMETRY COMPUTATIONS:
ELEVATIONS AND DISTANCES
4. 60 HZ NOTCH FILTER
ATTENUATE 0.1% OF
5. P-R DOMAIN FILTER:
ATTENUATE 0.1% OF
6. PHASE CORRECTION:
LRS-1011 14 HZ GEOPHONES
TIME FUNCTION EXPONENTIAL VALUE OF 2.5
7. 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 %
8. 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
OPERATOR LENGTH: 100 MS
PERCENT PRE-WHITENING: 0.1 %
9. C.D.P. SORT
10. STATIC COMPUTATIONS:
MODEL BASED REFRACTION
DRIFT AND WEATHERING CORRECTIONS
AUTOMATIC STATIC (WAGSOP): 250 - 1000 MS
WINDOW: 47-24 MS
11. VELOCITY ANALYSIS (VELAN):
DISTANCE (METERS): 100 200 300 400 500 600 700 800 900 1000
TIME (MS): 0 100 200 300 400 500 600 700 800 900 1000
12. NOTE PATTERN:
13. STACK:
200 % EQUAL WEIGHTS
WITH CDP CORRELATION FROM STATICS
TIME VARIATION FILTER:
TIME (MS): 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
1200-2000: 20-70 HZ, 18/48 DB/OCTAVE
18. REFLECTION STRENGTH GAIN:
MAXIMUM STAND OUT AFTER GAIN: 2.0
19. RMS GAIN:
100-200 MS WINDOWS

DISPLAY PARAMETERS

HORIZONTAL SCALE: 24 TRACES PER INCH
VERTICAL SCALE: 7.5 INCHES PER SECOND
PLOTting GRIN: 12 DB



2080 Valley Rd.
Ottawa, Ont.
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Cable: TERRA

PROJ. NO.

9 2

2 2

9 -

P 2

8 -

1 2

E

LINE NO.

8 6

2 2

8

PART NO.

2 OF 2

R.R. 8X

TIME (S)	NO.	VEL. (M/S)	INT.
0.00	5500	5500	
0.10	5100	5100	
0.20	4700	4700	
0.30	4300	4300	
0.40	3900	3900	
0.50	3500	3500	
0.60	3100	3100	
0.70	2700	2700	
0.80	2300	2300	
0.90	1900	1900	
1.00	1500	1500	
1.10	1100	1100	
1.20	700	700	
1.30	300	300	
1.40	0	0	
1.50	0	0	
1.60	0	0	
1.70	0	0	
1.80	0	0	
1.90	0	0	
2.00	0	0	

TIME (S)	NO.	VEL. (M/S)	INT.
0.00	5500	5500	
0.10	5100	5100	
0.20	4700	4700	
0.30	4300	4300	
0.40	3900	3900	
0.50	3500	3500	
0.60	3100	3100	
0.70	2700	2700	
0.80	2300	2300	
0.90	1900	1900	
1.00	1500	1500	
1.10	1100	1100	
1.20	700	700	
1.30	300	300	
1.40	0	0	
1.50	0	0	
1.60	0	0	
1.70	0	0	
1.80	0	0	
1.90	0	0	
2.00	0	0	

