



2060 Valley Rd
Ottawa, Ont.
Canada K1G 3P5
Tel: (613) 731-9571
Fax: (613) 731-0453

PROJ. NO. 9 2 2 9 - B 5 9 - 1 P

LINE NO. F T L - 0 7

PART NO. 1 OF 2

R.R. 10X

9229-B59-1P

B.F.R.

GEOPHYSICAL CONSULTANTS LTD

A WHOLLY OWNED SUBSIDIARY OF
GEODATA CORPORATION

IN CONJUNCTION WITH

PROPRIETARY UNTIL DEC. 31, 2010

Schlumberger

Geco-Prakla

A DIVISION OF SCHLUMBERGER CANADA LTD

AREA: FORT LIARD. NWT.

DMO MIGRATION STACK

FIELD POLARITY

LINE NAME: FTL - 07

SHOT POINT: 104.5 - 1891.5

LOCATION: SP 104 60.50N 122.78W

SP 1891 60.42N 123.42W

DATUM: 500 meters

REPL. VEL.: 4000 meters/sec

EAST

ACQUISITION

SHOT BY: GECO-PRAKLA

SHOT FOR: B.F.R. GEOPHYSICAL CONSULTANTS LTD.

DATE: FEB 1995

SOURCE VIBROSEIS

SHOT: 4 IN LINE

DRAG LENGTH: 20.0 m

SLEEP FREQUENCIES: 10 TO 100 Hz

SLEEP LENGTH: 12.0 seconds

SOURCE INTERVAL: 100 m

SHOOTING DIRECTION: EAST TO WEST

COVERAGES: 3000 X

CABLE 300 CHANNELS

GEOPHONES PER GROUP: 12

GEOPHONE SPACING: 1.8 m

GEOPHONE TYPE: SENSORS SM 14 Hz

STATION INTERVAL: 20 m

INSTRUMENTS

RECORDING INSTRUMENT: 1VD SYSTEM II

FORMAT: SEG-D

RECORD LENGTH: 8 sec

SAMPLE RATE: 2 ms

HIGH CUT FILTER: 120 Hz

LOW CUT FILTER: 3 Hz

NOTCH FILTER: OUT

GRAN SETTING: 48 db

SPREAD DEFINITION

TR 1

VP

3010 m

30 m

30 m

3010 m

PROCESSING PARAMETERS

1 SEG-D REFORMAT

2 TRUE AMPLITUDE RECOVERY

3 DECONVOLUTION - PREDICTIVE

OPERATOR LENGTH: 100 ms

LAG LENGTH: 12 ms

PREWHITENING: 1.0 s

DESIGN WINDOW: 400-2500 ms @ OFFSET 30 m

1950-4000 ms @ OFFSET 3010 m

4 TRACE EQUALIZATION - TIME WINDOW 1000 ms

5 STATISTICS - ELEVATION

STRUCTURAL DATUM: 500 meters ASL

REPLACEMENT VELOCITY: 4000 m/s

6 CDP TRACE GATHER

7 VELOCITY ANALYSIS

8 NMO CORRECTION - FLOATING DATUM REFERENCED

9 AUTOMATIC RESIDUAL STATICS - SURFACE CONSISTENT

WINDOW 200-2500 ms

CORRELATION LAG 25 ms

10 VELOCITY ANALYSIS

11 NMO CORRECTION - FLOATING DATUM REFERENCED

12 AUTOMATIC RESIDUAL STATICS - SURFACE CONSISTENT

WINDOW 200-2500 ms

CORRELATION LAG 25 ms

13 COMMON OFFSET F-K DMO

14 VELOCITY ANALYSIS

15 FRONT MUTE

AUTOMATIC STRETCH MUTE

MAXIMUM STRETCH ALLOWED - 35%

16 TRIM STATICS

WINDOW 200-2500 ms

CORRELATION LAG 6 ms

17 CDP STACK - 30 FOLD

18 STEEP DIP FINITE DIFFERENCE MIGRATION

90 % OF STACKING VELOCITIES

90 DEGREE ANGLE

19 FILTER - 10/15 - 75/85 Hz

20 TRACE EQUALIZATION - WINDOWS:

0 - 600 ms

600 - 1200 ms

1200 - 1800 ms

1800 - 2400 ms

2400 - 3000 ms

3000 - 3600 ms

3600 - 4200 ms

4200 - 4800 ms

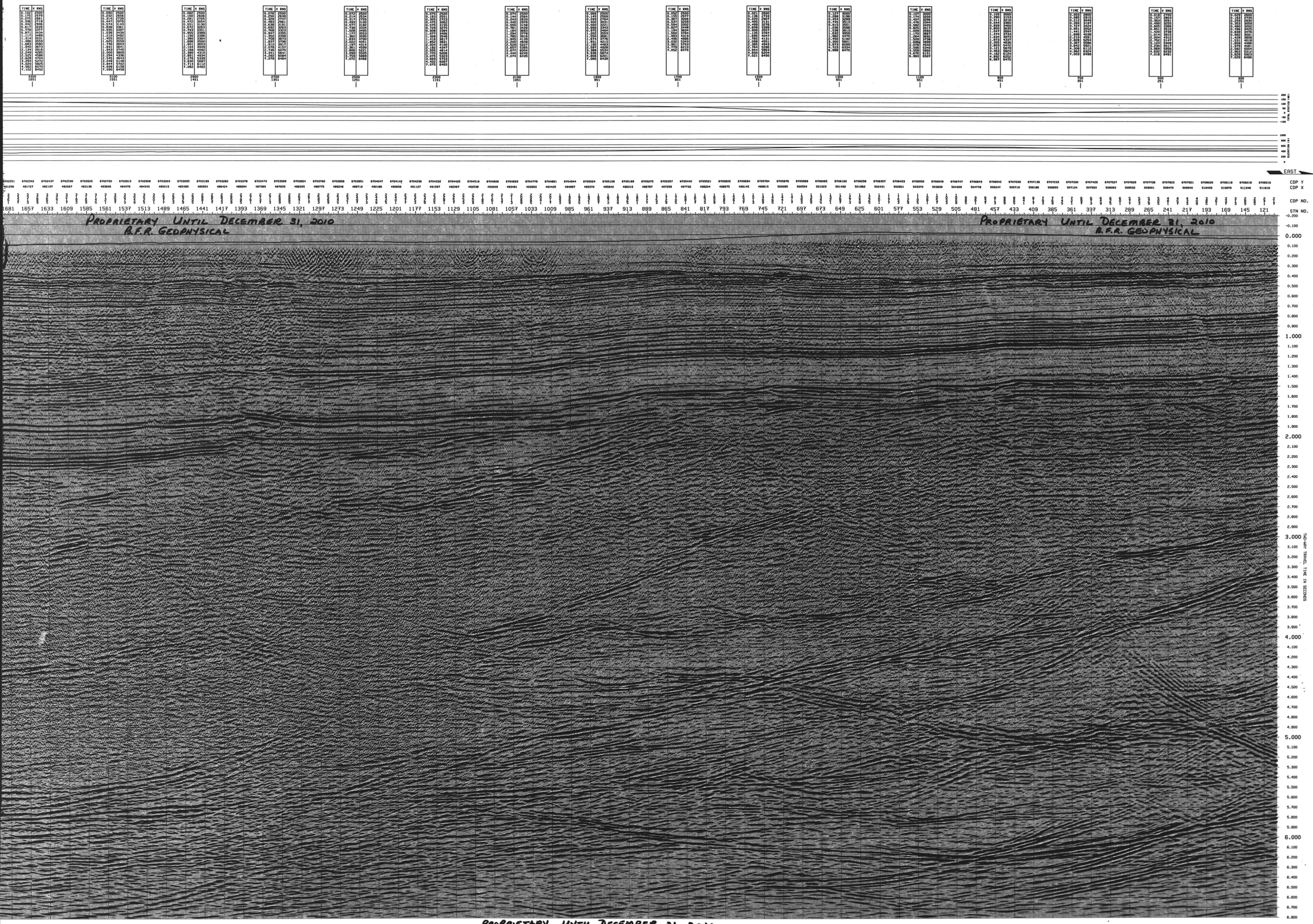
4800 - 5400 ms

5400 - 6000 ms

COMMENTS

FILM DISPLAY - 3.75 inches/sec 60 Traces/Inch

DATE: JUNE 1995



PROPRIETARY UNTIL DECEMBER 31, 2010
B.F.R. GEOPHYSICAL

