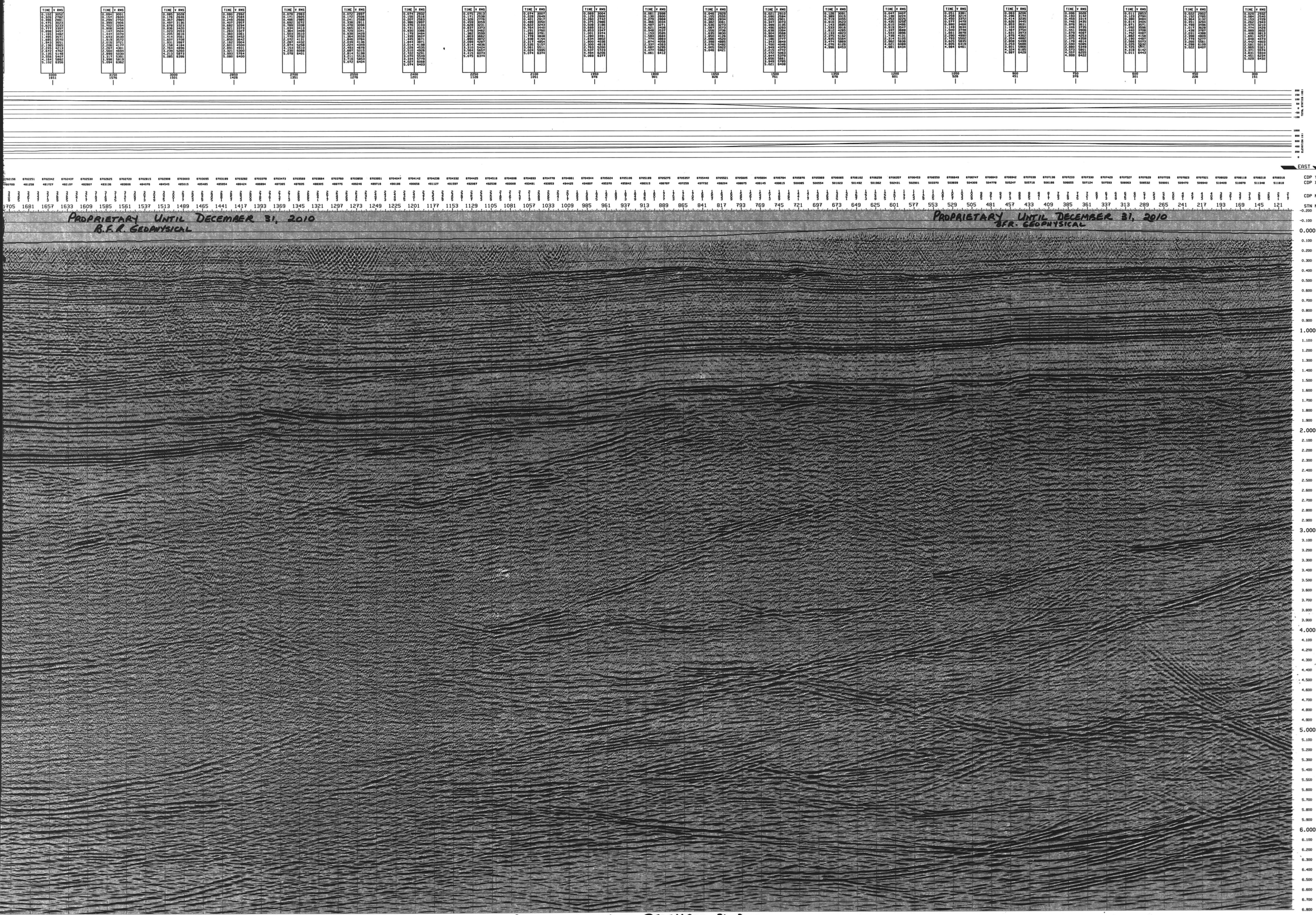




9229.B59-1P **B.F.R.**
GEOPHYSICAL CONSULTANTS LTD
A WHOLLY OWNED SUBSIDIARY OF
GEODATA CORPORATION
IN CONJUNCTION WITH
Schlumberger
Geco-Prakla
A DIVISION OF SCHLUMBERGER CANADA LTD

AREA: FORT LIARD. NWT.

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
SHOT LENGTH: 20.0 m
SHOT FREQUENCIES: 10 TO 100 Hz
SHOT LENGTH: 15.0 seconds
SHOT INTERVAL: 100 m
SHOOTING DIRECTION: EAST TO WEST
COVERAGE: 3000 x
CABLE: 300 CHANNELS
GEOPHONES PER GROUP: 12
GEOPHONE SPACING: 1.0 m
GEOPHONE TYPE: SENSORS SM4 14 Hz
STATION INTERVAL: 20 m
INSTRUMENTS
RECORDING INSTRUMENT: IVO SYSTEM II
FORMAT: SEG-D
RECORD LENGTH: 8 sec
SAMPLE RATE: 2 ms
HIGH CUT FILTER: 135 Hz
LOW CUT FILTER: 3 Hz
NOTCH FILTER: OUT
GAIN SETTING: 48 db

SPREAD DEFINITION
TR 1 150 151 300
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: 10 ms
PREWHITENING: 1.0 s
DESIGN WINDOW: 450-5500 ms @ OFFSET 30 m
1950-4000 ms @ OFFSET 3010 m
4 TRACE EQUALIZATION - TIME WINDOW 1000 ms
5 STATICS - 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 200-2600 ms
CORRELATION LAG 25 ms
10 VELOCITY ANALYSIS
11 NMO CORRECTION - FLOATING DATUM REFERENCED
12 AUTOMATIC RESIDUAL STATICS - SURFACE CONSISTENT
WINDOW 200-2600 ms
CORRELATION LAG 25 ms
13 FRONT MUTE
AUTOMATIC STRETCH MUTE
MAXIMUM STRETCH ALLOWED - 35%
14 TRIM STATICS
WINDOW 200-2600 ms
CORRELATION LAG 25 ms
15 CDP STACK - 30 FOLD
16 STEEP DIP FINITE DIFFERENCE MIGRATION
50 % OF STACKING VELOCITIES
90 DEGREE ANGLE
17 FILTER - 10/15 - 75/85 Hz
18 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 68 Traces/Inch
DATE: JUNE 1995

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

