

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

PROPRIETARY UNTIL DEC. 31, 2010

AREA: FORT LIARD. NWT.

DMO MIGRATION STACK
FIELD POLARITY

LINE NAME: FTL - 01
SHOT POINT: 101.5 - 3830.5
LOCATION: SP 101 60.20N 122.70W
SP 3830 60.42N 123.92W
DATUM: 500 meters
REPL. VEL.: 4000 meters/sec
EAST

ACQUISITION

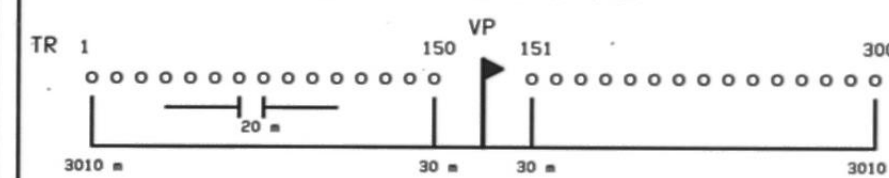
SHOT BY: GECO-PRAKLA
SHOT FOR: B.F.R. GEOPHYSICAL CONSULTANTS LTD.
DATE: FEB 1995

SOURCE VIBROSEIS
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
COVERAGE: 3000 x

CABLE 300 CHANNELS
GEOPHONES PER GROUP: 12
GEOPHONE SPACING: 1.2 m
GEOPHONE TYPE: DTG 200X - 10 Hz
STATION INTERVAL: 20 m

INSTRUMENTS
RECORDING INSTRUMENT: 11D SYSTEM 11
FORMAT: SEG-D
RECORD LENGTH: 8 sec
SAMPLE RATE: 2 ms
HIGH CUT FILTER: 125 Hz
LOW CUT FILTER: 3 Hz
NOTCH FILTER: n/a
GAIN SETTING: 48 db

SPREAD DEFINITION



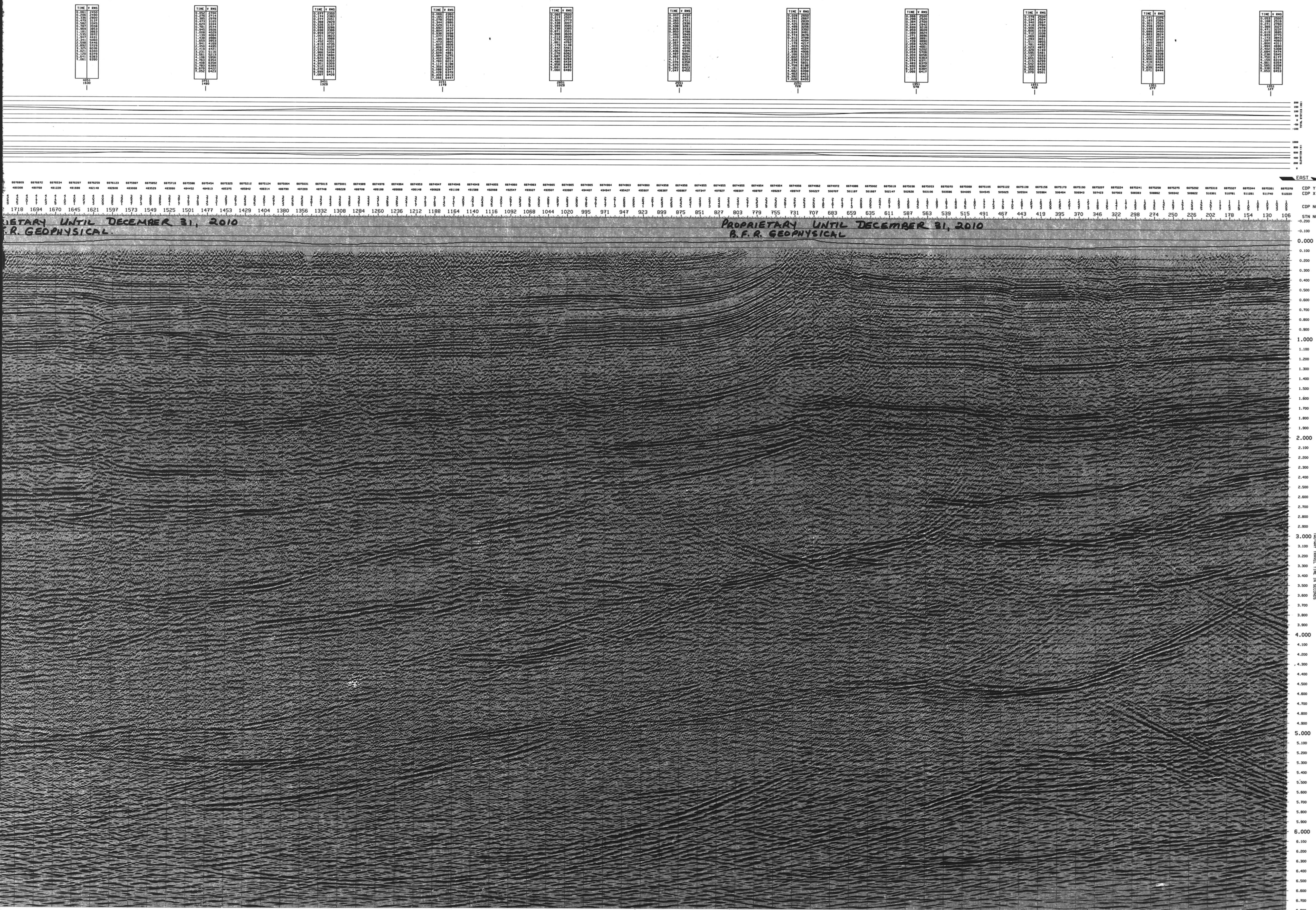
PROCESSING PARAMETERS

- SEG-D REFORMAT
- TRUE AMPLITUDE RECOVERY
- DECONVOLUTION - PREDICTIVE
OPERATOR LENGTH: 100 ms
LAG LENGTH: 12 ms
PREWHITENING: 1.0
DESIGN WINDOW: 450-3500 ms # OFFSET 30 m
2500-3500 ms # OFFSET 3010 m
- TRACE EQUALIZATION - TIME WINDOW 1000 ms
- STATICS - ELEVATION
STRUCTURAL DATUM: 500 meters ASL
REPLACEMENT VELOCITY: 4000 m/s
- CDP TRACE GATHER
CROOKED LINE BINNING
BIN WIDTH 400 m
- VELOCITY ANALYSIS
- NMO CORRECTION - FLOATING DATUM REFERENCED
- AUTOMATIC RESIDUAL STATICS - SURFACE CONSISTENT
WINDOW 300-3500 ms
CORRELATION LAG 25 ms
- VELOCITY ANALYSIS
- NMO CORRECTION - FLOATING DATUM REFERENCED
- AUTOMATIC RESIDUAL STATICS - SURFACE CONSISTENT
WINDOW 300-3500 ms
CORRELATION LAG 25 ms
- COMMON OFFSET F-K DMO
- VELOCITY ANALYSIS
- FRONT MUTE
AUTOMATIC STRETCH MUTE
MAXIMUM STRETCH ALLOWED - 45%
- TRIM STATICS
WINDOW 300-3500 ms
CORRELATION LAG 25 ms
- CDP STACK - 30 FOLD
- STEEP DIP FINITE DIFFERENCE MIGRATION
90 DEGREE VELOCITIES
90 DEGREE ANGLE
- FILTER - 10/15 - 75/85 Hz
- 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

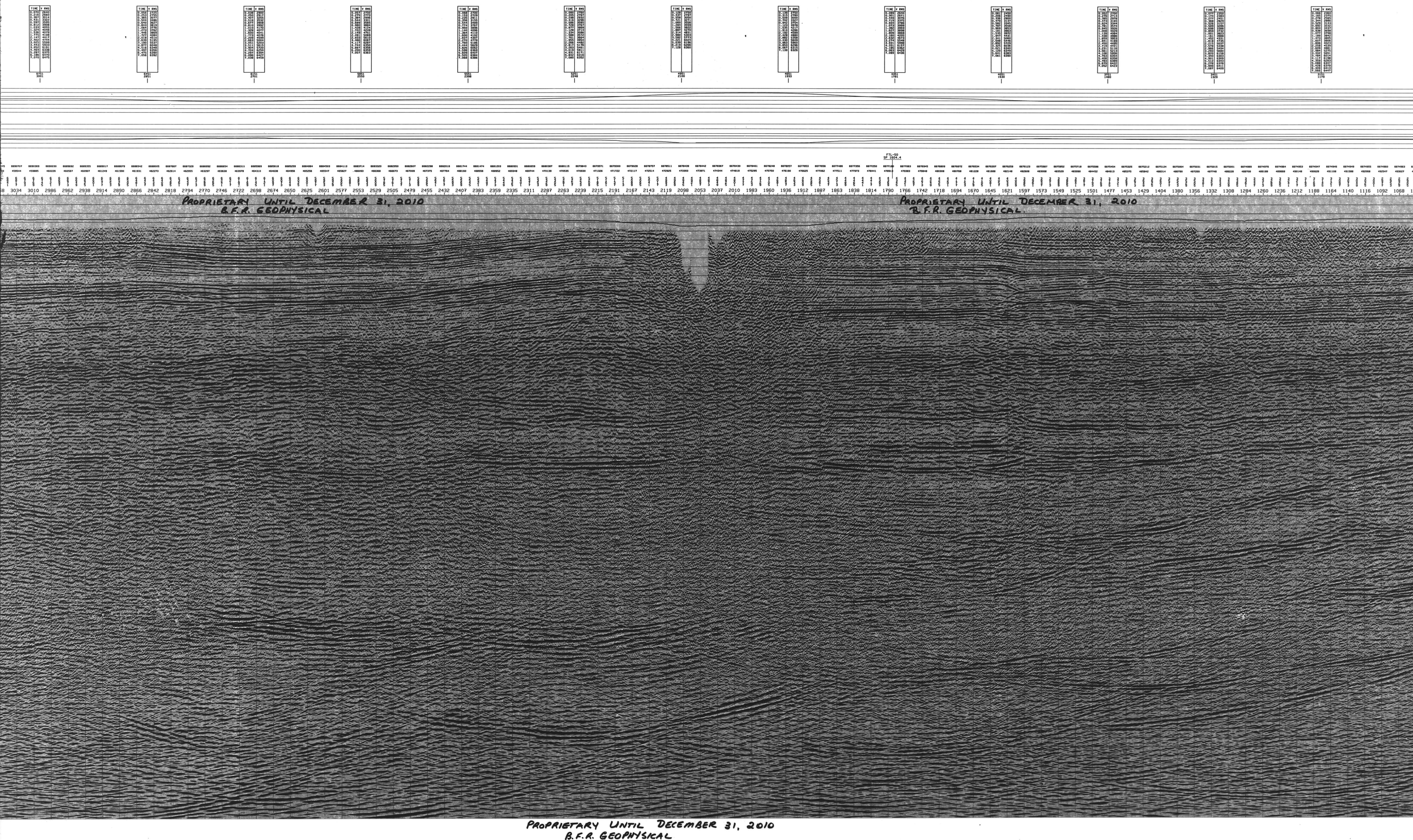
COMMENTS

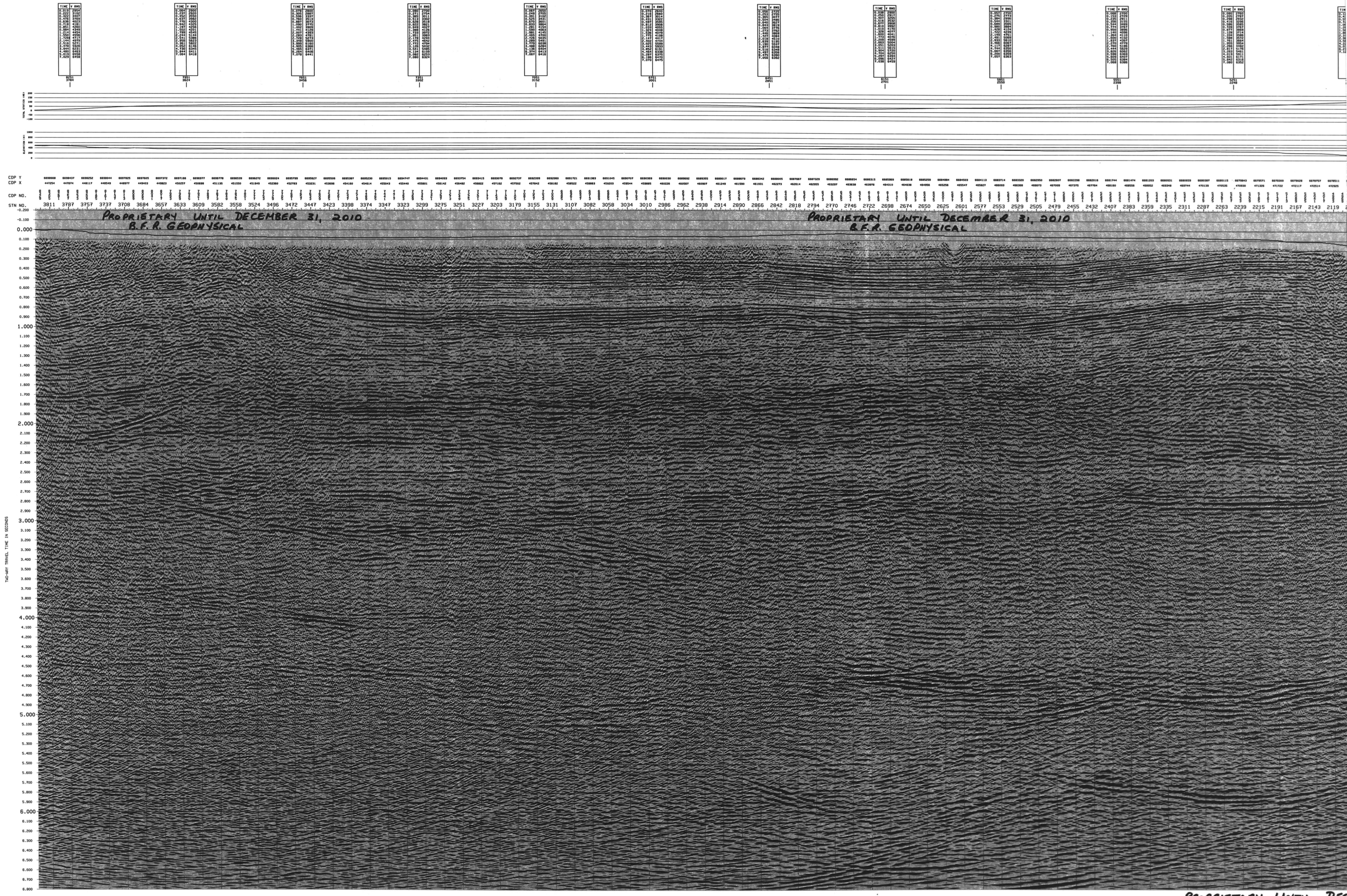
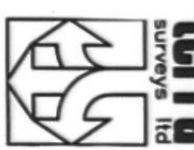
FILM DISPLAY - 3.75 inches/sec 68 Traces/Inch

DATE: JUNE 1995



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