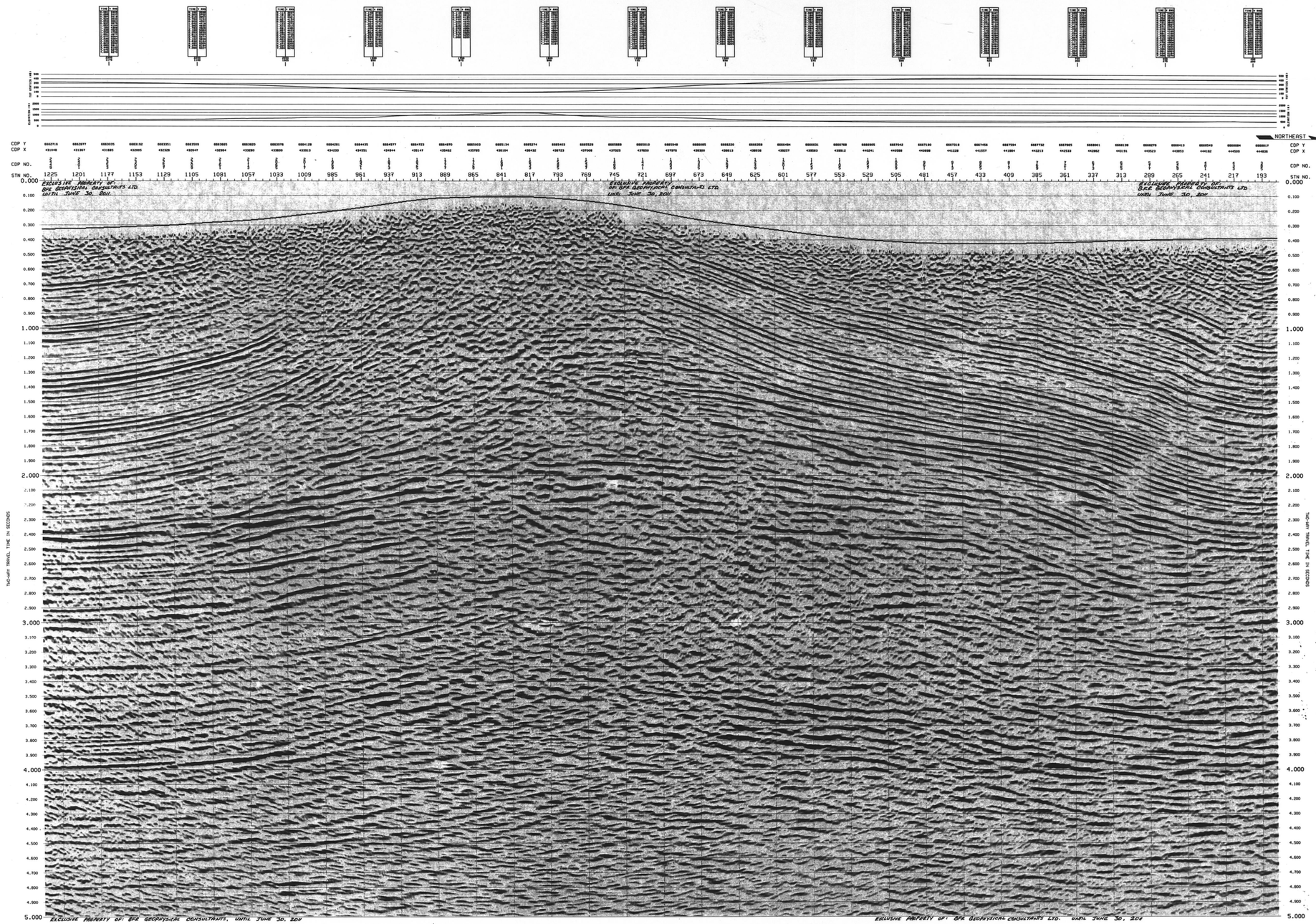


B.F.R.

GEOPHYSICAL CONSULTANTS LTD

A WHOLLY OWNED SUBSIDIARY OF GEODATA CORPORATION

IN CONJUNCTION WITH

9229-B59-2P

Schlumberger

Geco-Prakla

A DIVISION OF SCHLUMBERGER CANADA LTD

AREA: FORT LIARD

DMO MIGRATION STACK
FIELD POLARITY

LINE NAME:	KOT-95-104
SHOT POINT:	179.5 - 1235.5
LOCATION:	SP 179.5 95B\04-E
	SP 1235.5 95C\01-G
DATUM:	1250 meters
REPL. VEL.:	4000 meters\sec

NORTHEAST

ACQUISITION

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

SOURCE DYNAMITE

CHARGE ARRAY:	SINGLE HOLE
CHARGE WEIGHT:	30 kg
AVG. HOLE DEPTH:	20.0 m
SOURCE INTERVAL:	50 m
SHOOTING DIRECTION:	N.E. TO S.W.
COVERAGE:	5000 %

CABLE 600 CHANNELS

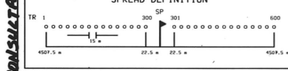
	SPLIT SPREAD
GEOPHONES PER GROUP:	12
GEOPHONE SPACING:	2.5 m
GEOPHONE TYPE:	OYO GS 20DX 10Hz
STATION INTERVAL:	15 m

INSTRUMENTS

RECORDING INSTRUMENT:	I\O SYSTEM II
FORMAT:	SEG-D
RECORD LENGTH:	16 sec
SAMPLE RATE:	2 ms
HIGH CUT FILTER:	130\75 Hz\db
LOW CUT FILTER:	2\12 Hz\db
NOTCH FILTER:	OUT
GAIN SETTING:	36 db

EXCLUSIVE PROPERTY OF: BFR GEOPHYSICAL CONSULTANTS LTD UNTIL JUNE 30, 2011

SPREAD DEFINITION



PROCESSING PARAMETERS

1 SEG-D REFORMAT

2 TRUE AMPLITUDE RECOVERY

3 DECONVOLUTION - PREDICTIVE
OPERATOR LENGTH: 100 ms
LAG LENGTH.....: 12 ms
PREWHITENING...: 1.0 %
DESIGN WINDOW..: 500-3500 ms @ OFFSET 0 m
:700-4500 ms @ OFFSET 4500 m

4 TRACE EQUALIZATION - VARIABLE FROM 500 ms to 2000 ms

5 STATICS - REFRACTION
REPLACEMENT VELOCITY: 4000 m\s
STRUCTURAL DATUM....: 1250 m RSL

6 CDP TRACE GATHER
CROOKED LINE BINNING
BIN WIDTH 200 m

7 VELOCITY ANALYSIS
2 ITERATIONS AFTER RESIDUAL STATICS
1 ITERATION AFTER DMO

8 NMO CORRECTION - FLOATING DATUM REFERENCED

9 FROND MUTE
35% STRETCH

10 AUTOMATIC RESIDUAL STATICS - SURFACE CONSISTENT
WINDOW 400-3000 ms
CORRELATION LAG 30 ms
2 ITERATIONS

11 TRIM STATICS
WINDOW 400-3000 ms
CORRELATION LAG 8 ms

12 COMMON OFFSET F-K DMO

13 RANDOM NOISE SUPPRESSION - TRU-P domain

14 CDP STACK - 50 FOLD

15 STEEP DIP FINITE DIFFERENCE MIGRATION
90 % OF STACKING VELOCITIES
90 DEGREE ANGLE

16 FILTER - 8\10 - 45\55 Hz

17 TRACE EQUALIZATION - WINDOWS:
0 - 700 ms
600 - 1200 ms
1000 - 1800 ms
1500 - 2500 ms
2300 - 3400 ms
2900 - 3900 ms
3400 - 4100 ms
3900 - 5200 ms
4800 - 7000 ms

COMMENTS

FILM DISPLAY - 5.00 Inches\sec 5.33 Traces\inch

DATE: NOVEMBER 1995

EXCLUSIVE PROPERTY OF B.F.R. GEOPHYSICAL CONSULTANTS LTD. UNTIL JUNE 30, 2011

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PROJ. NO. 9229-B59-2P

LINE NO. KOT-95-104

PART NO. 1 OF 1

R.R. 10X