FIGURE 5.18 DECON TEST - EXAMPLE

BRIDGE OIL LTD.

HB75A SEISMIC SURVEY

LINE : HB75A-229A

SHOT POINTS : 680 - 730

TEST SEQUENCE

N-WEST (328 DEG)

RECORDING PARAMETERS

RECORDED BY : G.S.I., PARTY 931
MV MCDERMOTT

DATE RECORDED : JAN 1975

INSTRUMENTS : DFS III (2 SYSTEMS) 48 TR

FORMAT : 21 TRACK

FIELD TAPES : 1 INCH FT'S, ODDS & EVENS

TAPE DENSITY : 712 B.P.I.

GAIN MODE :

RECORD LENGTH : 5 SECS.

SAMPLE RATE : 4 MS.

RECORDING FILTER : 8 HZ AT 18 DB/OCT
62 HZ AT 72 DB/OCT

ENERGY SOURCE : AIRGUN (1200 CU. INS)

SHOT DEPTH : 10 - 11 M.

SHOT INTERVAL : 22.22 M.

STREAMER DEPTH : 15 - 17 M.

GROUP INTERVAL : 66.66 M.

AVERAGE OFFSET TO NEAR GROUP (48) : 284 M.

CABLE : TEAM INSTRUMENTS ANALOGUE (TIAC)

LENGTH : 3200 M.

GROUPS : 48

GROUP INTERVAL : 66.6 M.

SUBSURFACE COVERAGE : 2400 %

CABLE CONFIGURATION :

T = ANTENA LOCATION

25 FT

SHOT GP 48 GP 1

DIRECTION OF SHOOTING : SE - NW

PROCESSING SEQUENCE

(TRANSCRIPTION FROM SEG8 TO SEGY BY PETTY-RAY .BRISBANE DPC)

[1] REFORMAT FROM SEGY TO DIGICON INTERNAL FORMAT

[2] ..SIGNATURE DECONVOLUTION.....

[3] ..DECONVOLUTION (GAPPED ....240 MS OPTR , 12 MS GAP

[4]....CMP GATHER.....

[5] ..NMO...CORRECTIONS.....

[6] ..REFRA.REMOVALIZATION...1.1SATE.....

[7] ...AV.REAR.STACK.....

[8] ...FILTERING.....8Hz..15Hz/Ed.....

[9] .....2.....88Hz..72Hz/Ed.....

[9] ..AGC.....600 MS..GATE.....

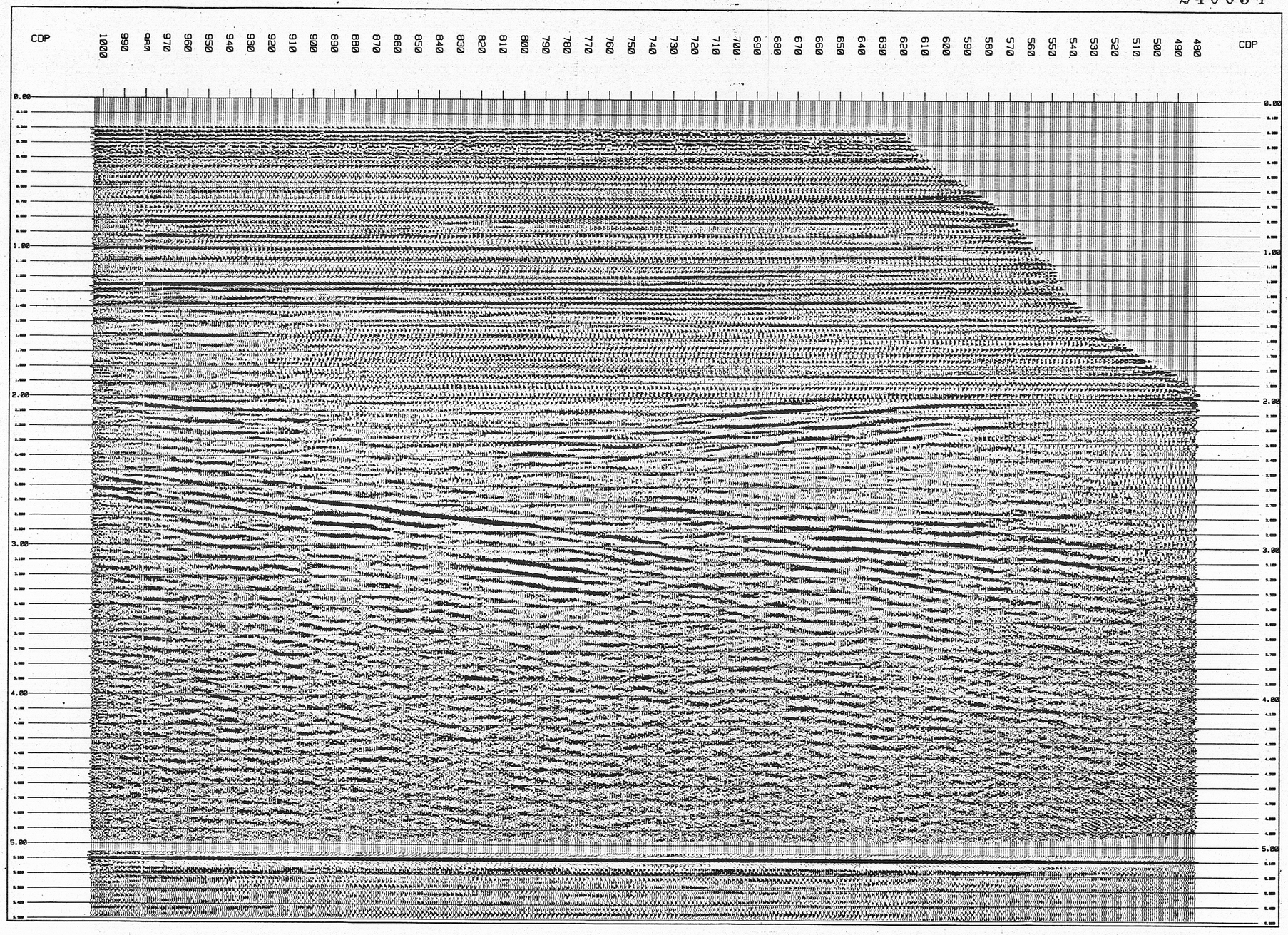
AUTOCORRELATION : 500 MSEC

5 cm

PROCESSED BY :
DIGITAL EXPLORATION LTD.
DIGICON. BRISBANE

DATE : MAY 14 1985

HORIZONTAL SCALE : 1 1 . CM/SEC
VERTICAL SCALE : 1 . CM/SEC
DATUM : MEAN SEA LEVEL

SIGNATURE DECON + GAPPED DECON : 240 MS OPTR , 12 MS GAP

240054