



- Dwd = Kelly - datum elevation
 R = Record number
 Ew = Elevation of sea level above M.S.L.
 Dgm = Depth below Kelly bushing
 Tc = Time correction
 Ds = Depth of shot (gas gun)
 Δe = Kelly - sea level elevation
 Dws = $Ds + \Delta e$
 Δsd = $Dws - Dwd$
 Dgs = $Dgm - Dws$
 H = Gas gun offset from well
 $\tan-i$ = H / Dgs
 T = Well seismometer time from time break
 Tgs = $T \cos-i$
 Q = Record quality
 Tgd = $Tgs + \Delta sd / Vd + Tc$ = (vertical travel time from datum to well seismometer)
 Dgd = $Dgm - Dwd$ (vertical distance datum to seismometer)
 VI = $\Delta Dgd / \Delta Tgd$ = (Interval Velocity)
 $V\Delta$ = Dgd / Tgd = (Average Velocity)
 Vd = Datum reduction velocity

5 cm

COMPUTATION DIAGRAM

HEMATITE PETROLEUM Pty. Ltd.

AROO Nº1

by

AUSTRAL UNITED GEOPHYSICAL

Party 86

27-03-74/20-04-74