

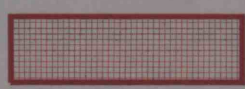


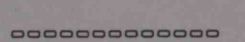
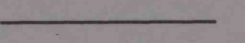
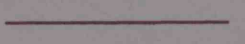
DATE : MON MAY 10 09:45:57 1993
PROJECT : F: WABYHELEN
TITLE : SHALE THICKNESS

HELEN RESERVE UPPER FREEPORT COAL SEAM

SHALE THICKNESS

12.30 THICKNESS OF SHALE IN FEET ABOVE UPPER FREEPORT COAL
AND BELOW THE FIRST SANDSTONE GREATER THAN ONE FOOT THICK

-  SANDSTONE WASHOUT
OF COAL SEAM
-  SANDSTONE DIRECTLY
OVERLYING COAL
-  5 FT. SHALE THICK-
NESS ISOPACH

-  TRANSITION ZONE
-  R & P DEDICATION
-  HELEN DEDICATION LINE
-  UF CROPLINE

GRAPHIC SCALE 1 IN = 1000 FT

