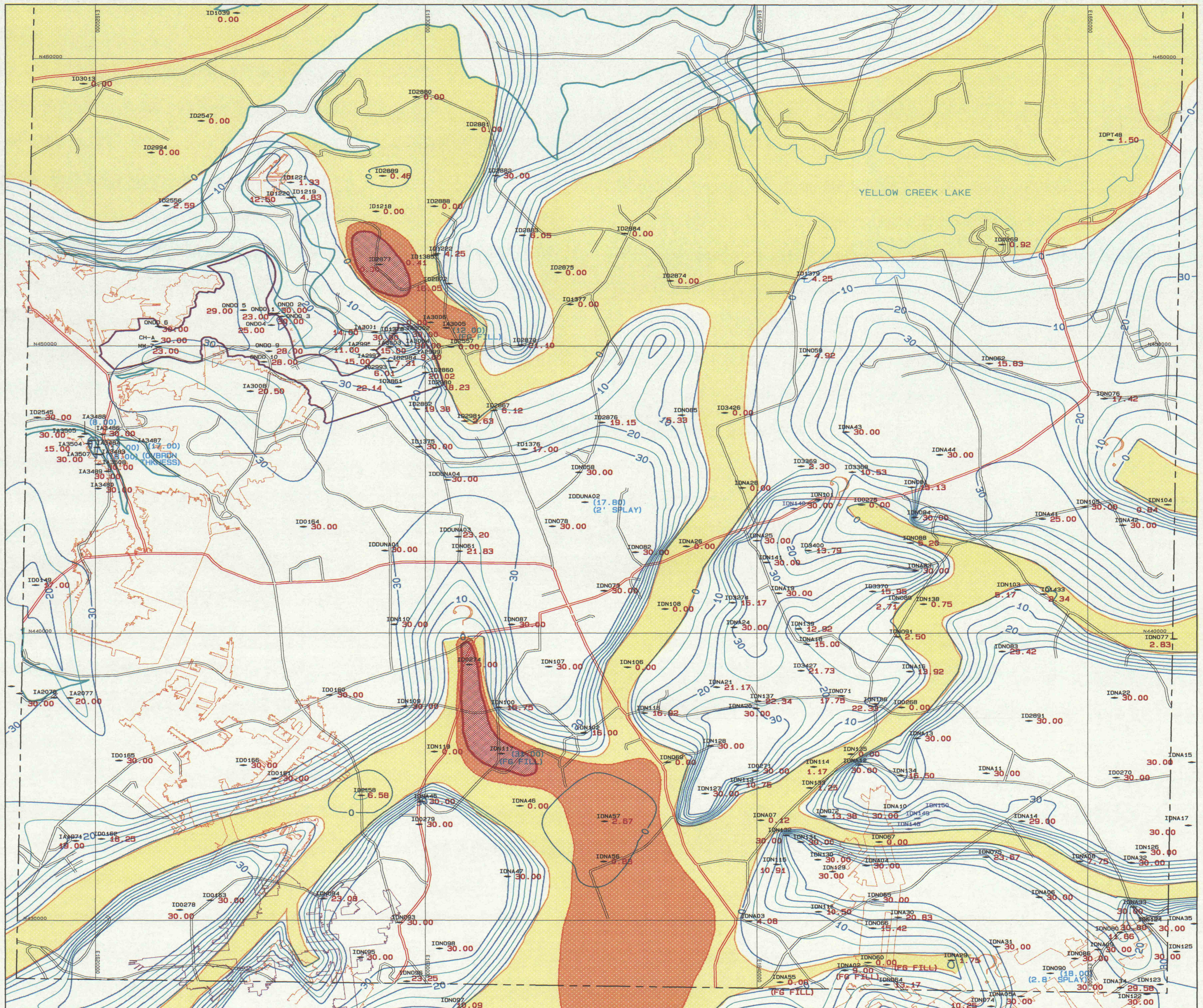


BRUSH VALLEY LOWER KITTANNING



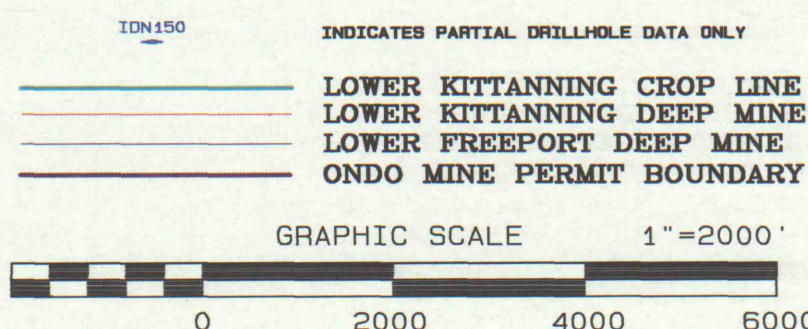
SHALE THICKNESS MAP

CONTOUR MAP OF INTREVAL FROM TOP OF LOWER KITTANNING
COAL TO FIRST SANDSTONE GREATER THAN 1 FT THICK

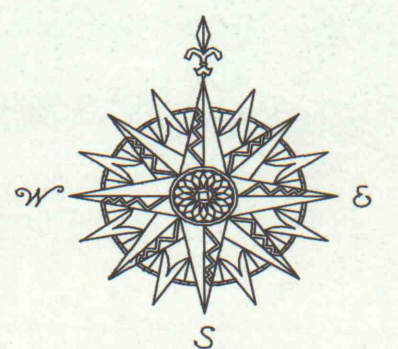
CONTOUR INTERVAL = 5 FT

VALUES IN PARENTHESES () NOT CONTOURED.
REASONS STATED ON MAP

BRUSH VALLEY 7 1/2 MINUTE
QUADRANGLE BOUNDARY



- POST-DEPOSITIONAL SANDSTONE CHANNELS
- SANDSTONE ON TOP OF COAL SEAM
COAL POSSIBLY DISTURBED. POOR ROOF
 - AREAS OF PARTIAL SANDSTONE
CUTOUT. NOT MINEABLE.
 - NO COAL AREAS. SEAM REMOVED.



IMAPS# 11692