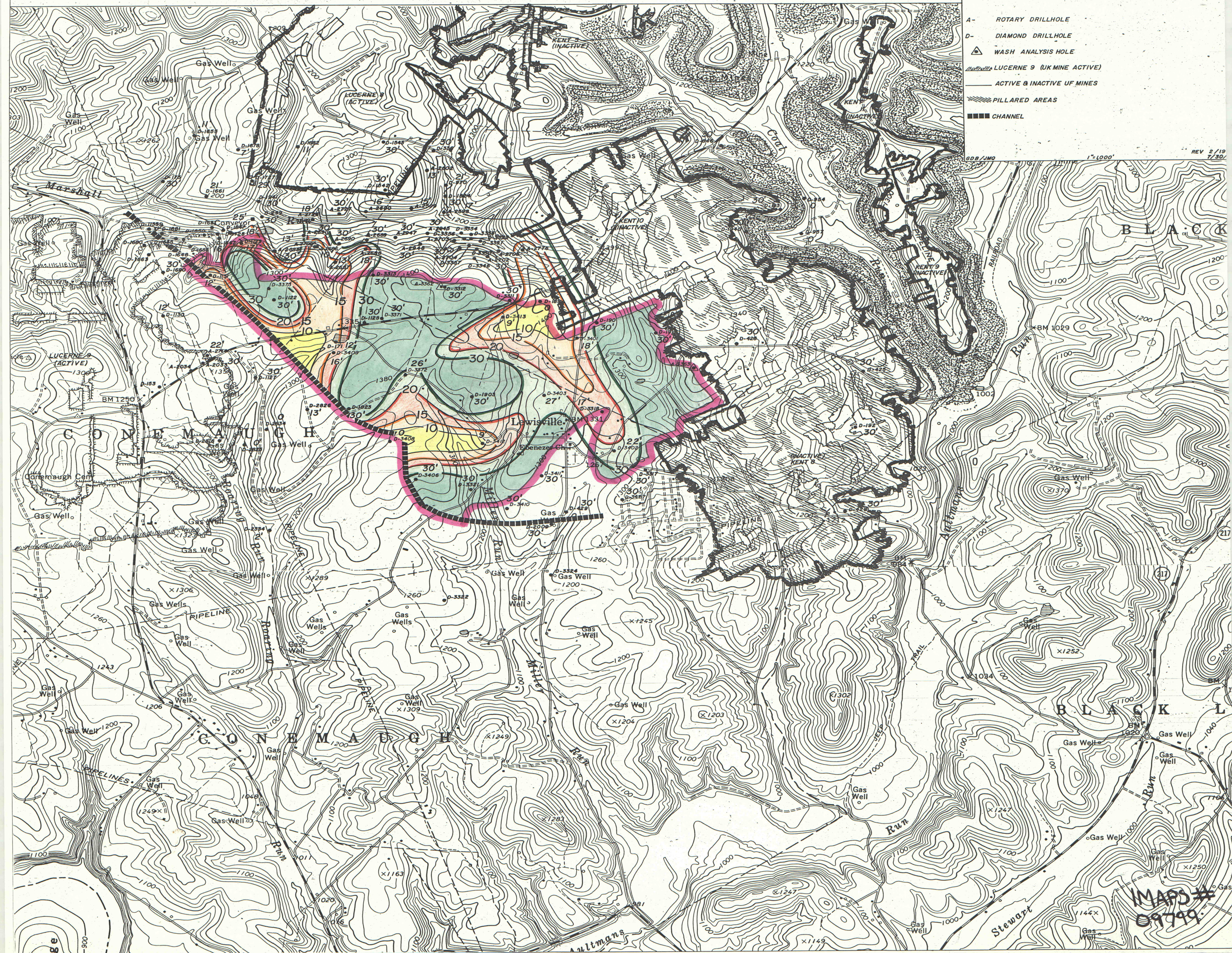


MARSHALL RUN

UPPER KITTANNING SEAM SHALE THICKNESS

- A- ROTARY DRILLHOLE
- D- DIAMOND DRILLHOLE
- △ WASH ANALYSIS HOLE
- LUCERNE 9 (UK MINE ACTIVE)
- ACTIVE & INACTIVE OF MINES
- ▨ PILLARED AREAS
- CHANNEL

DDG/JMO 1"=1000' REV 2/19 7/30



MAPS#
09799