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PENNSYLVANIA  
FEDERAL BUREAU OF  
GEOLOGICAL SURVEY

MCINTYRE QUADRANGLE  
PENNSYLVANIA  
7.5 MINUTE SERIES (TOPOGRAPHIC)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

INDIANA QUADRANGLE  
PENNSYLVANIA-INDIANA CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)

# LUCERNE 7 FIELD

## LOWER KITTANNING "B" SEAM MAP #



### LEGEND

DRILL HOLE NUMBER  
IMMEDIATE ROOF  
DRILL HOLE LOCATION  
DEPTH TO TOP OF COAL  
COAL ELEVATION (BASE)

TOTAL SEAM (COAL & BONE)  
COAL SEAM HEIGHT  
ROCK TO 5' ABOVE COAL  
TOTAL SEAM SULPHUR %  
TOTAL SEAM ASH %

DOMINANT GRAIN SIZE OF ROOF ROCK  
● CLAY ● SAND ● SILT

ASH% total height

ROAD CLASSIFICATION  
Heavy-duty  
Medium-duty  
Light-duty  
Unimproved dirt  
State Route

MCINTYRE, PA.  
SEA ELEVATION 1500 FEET  
NAD83—W7907 5/7.5

NAL MAP ACCURACY STANDARDS  
SURVEY, WASHINGTON, D. C. 20542  
AND SYMBOLS IS AVAILABLE ON REQUEST

1964

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, WASHINGTON, D. C.  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

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INDIANA, PA.  
SEA ELEVATION 1500 FEET  
NAD83—W7907 5/7.5

1963

AND 5185 D SW—SERIES 1931

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