



Assessing Suitability of Depleted Fields for Enhanced Oil Recovery in West Virginia Jessica Pierson Moore, Philip A. Dinterman, J. Eric Lewis, Jennifer L. Luczko, Susan E. Pool, West Virginia Geological & Economic Survey

C.I. = 200 ft

Depth below

well data

----- Cross-Section Location

Jacksonburg-Stringtown

surface

Field Name

Mannington













The Gordon sandstone is accompanied by the overlying Fifty-Foot and Thirty-Foot sands in addition to intermittent intervals of the underlying Fourth and Fifth sands. Thickening in the north is likely a result of increased accomodation space during deposition, while thinning to the west may be structurally related.





The overlying Fifty-Foot and Thirty-Foot sands grade to shales and siltstones while the Fourth and Fifth sands remain intermittent. The Gordon sandstone is consistently about 150ft thick in this field. The Gordon 'C' separation is apparent to the south as the reservoir becomes more compartmentalized.



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