LOCKPORT REEFS AND “NEWBURG” PRODUCTION IN OHIO

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In Ohio, drillers’ NEWBURG porosity zone can occur anywhere within the A2 Carbonate, the A1 Carbonate, or the Lockport.
A2 CARBONATE to PACKER SHELL
Thickness of the LOCKPORT GROUP
Newburg pools outlined in red

A2 CARBONATE to PACKER SHELL
TRAPPING MECHANISMS

• Anticlinal
• Fault trap
• Porosity within reef
• Drape over Gasport reef
• Porosity in the A Carbonate above Guelph reef
• Porosity in the A Carbonate within the reef bank
Example of structure influencing reef development in the Guelph SPKSH structure reflects Knox structure in Sun Oil’s Krysik Field.
Production from the reef, the Guelph, and the A1 Carbonate
Wells produced on upthrown side of fault in Lockport.

No reef development.
NEWBURG PRODUCTION FROM A1 CARBONATE
Wells produce from the A1 Carbonate along flank of underlying Gasport reef.
NEWBURG PRODUCTION FROM A2 CARBONATE

STRUCTURAL DRAPE OVER CARBONATE REEF BANK

A2 CARBONATE to PACKER SHELL
Wells produce from the A2 Carbonate along crest of carbonate reef bank.
4 = 40