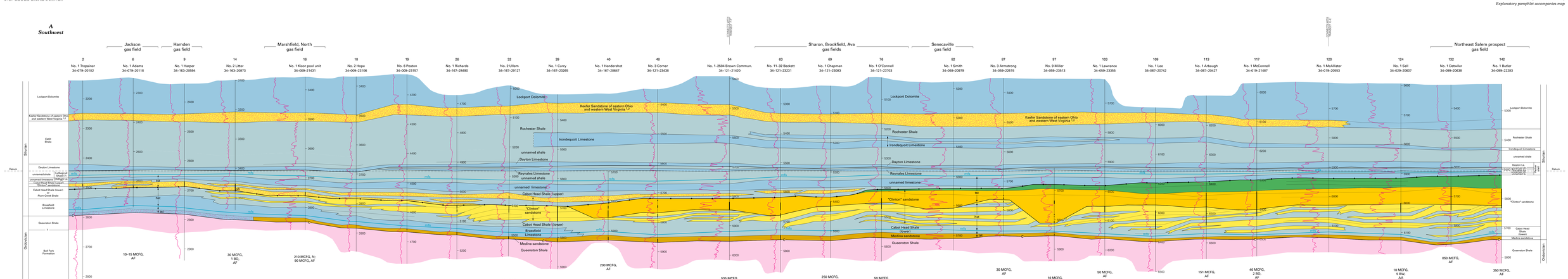
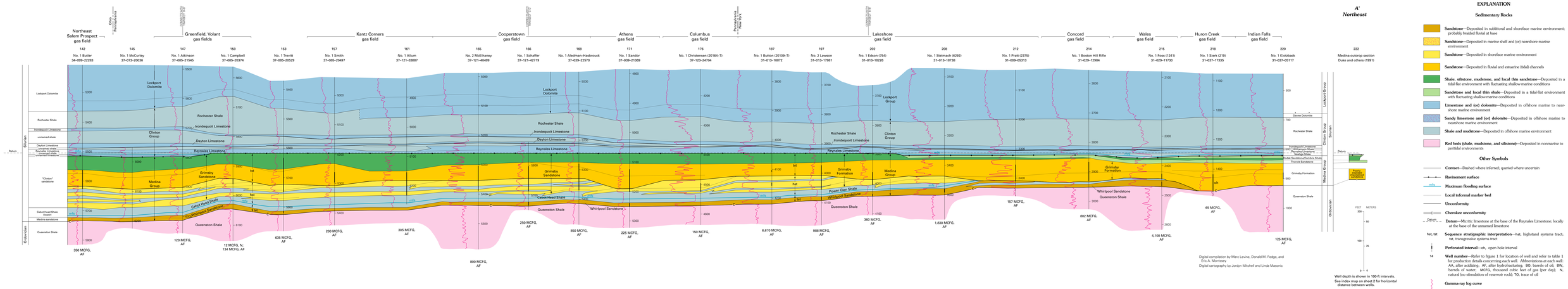
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

MISCELLANEOUS INVESTIGATIONS SERIES
MAP I–2726 (SHEET 1 OF 2)
Explanatory pamphlet accompanies map



[1]Horvath and others (1979).
[2]Sunoco and Patchen (1980).



EXPLANATION

Sedimentary Rocks

Sandstone—Deposited in subittoral and shoreface marine environment; probably braided fluvial at base

Sandstone—Deposited in marine shelf and (or) nearshore marine environment

Sandstone—Deposited in shoreface marine environment

Sandstone—Deposited in fluvial and estuarine (tidal) channels

Shale, siltstone, mudstone, and local thin sandstone—Deposited in a tidal-flat environment with fluctuating shallow-marine conditions

Sandstone and local thin shale—Deposited in a tidal-flat environment with fluctuating shallow-marine conditions

Limestone and (or) dolomite—Deposited in offshore marine to near-shore marine environment

Sandy limestone and (or) dolomite—Deposited in offshore marine to nearshore marine environment

Shale and mudstone—Deposited in offshore marine environment

Red beds (shale, mudstone, and siltstone)—Deposited in nonmarine to peritidal environments

Other Symbols

Contact—Dashed where inferred; queried where uncertain

Ravinement surface

Maximum flooding surface

Local informal marker bed

Unconformity

Cherokee unconformity

Datum—Micritic limestone at the base of the Reynales Limestone; locally at the base of the unnamed limestone

hst, tst **Sequence stratigraphic interpretation**—hst, highstand systems tract; tst, transgressive systems tract

Perforated interval—oh, open hole interval

14 **Well number**—Refer to figure 1 for location of well and refer to table 3 for production details concerning each well. Abbreviations at each well: **AA**, after acidizing; **AF**, after hydrofracturing; **BO**, barrels of oil; **BW**, barrels of water; **MCFG**, thousand cubic feet of gas (per day); **N**, natural (no stimulation of reservoir rock); **TO**, trace of oil

Gamma-ray log curve

STRATIGRAPHIC FRAMEWORK AND DEPOSITIONAL SEQUENCES IN THE LOWER SILURIAN REGIONAL OIL AND GAS ACCUMULATION, APPALACHIAN BASIN: FROM JACKSON COUNTY, OHIO, THROUGH NORTHWESTERN PENNSYLVANIA, TO ORLEANS COUNTY, NEW YORK

By
Robert T. Ryder

2000

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