DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

# OIL AND GAS DATA IN NEW RIVER GORGE AREA, WEST VIRGINIA

OPEN-FILE REPORT OF 77-76 MAP--H
Mineral resource, geological, and geophysical maps of the New River Gorge area, Fayette, Raleigh and Summers Counties, West Virginia

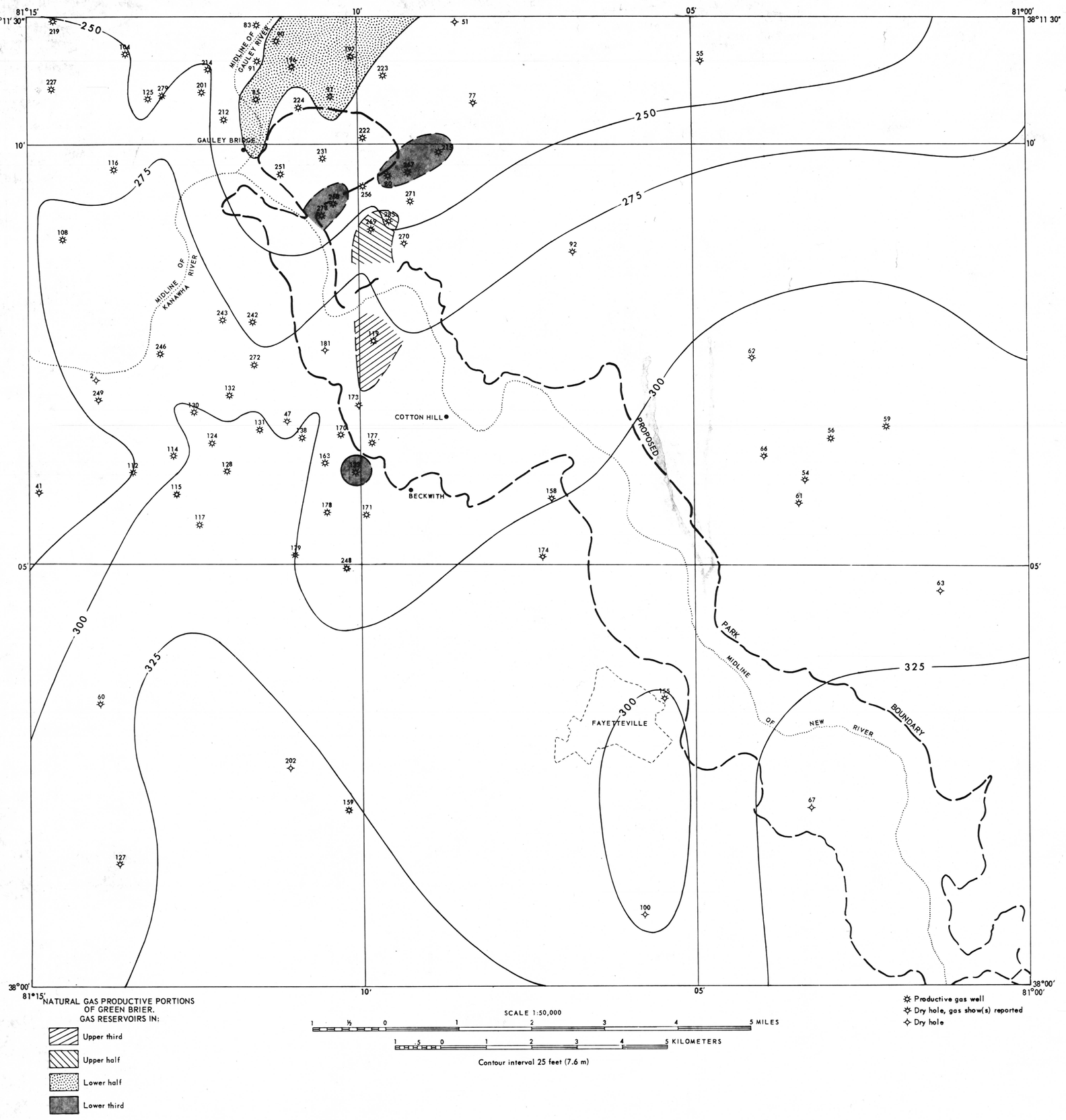


FIGURE 6. ISOPACH ( THICKNESS ) MAP OF GREENBRIER LIMESTONE SHOWING PRESENTLY DEFINED PRODUCTIVE AREAS.

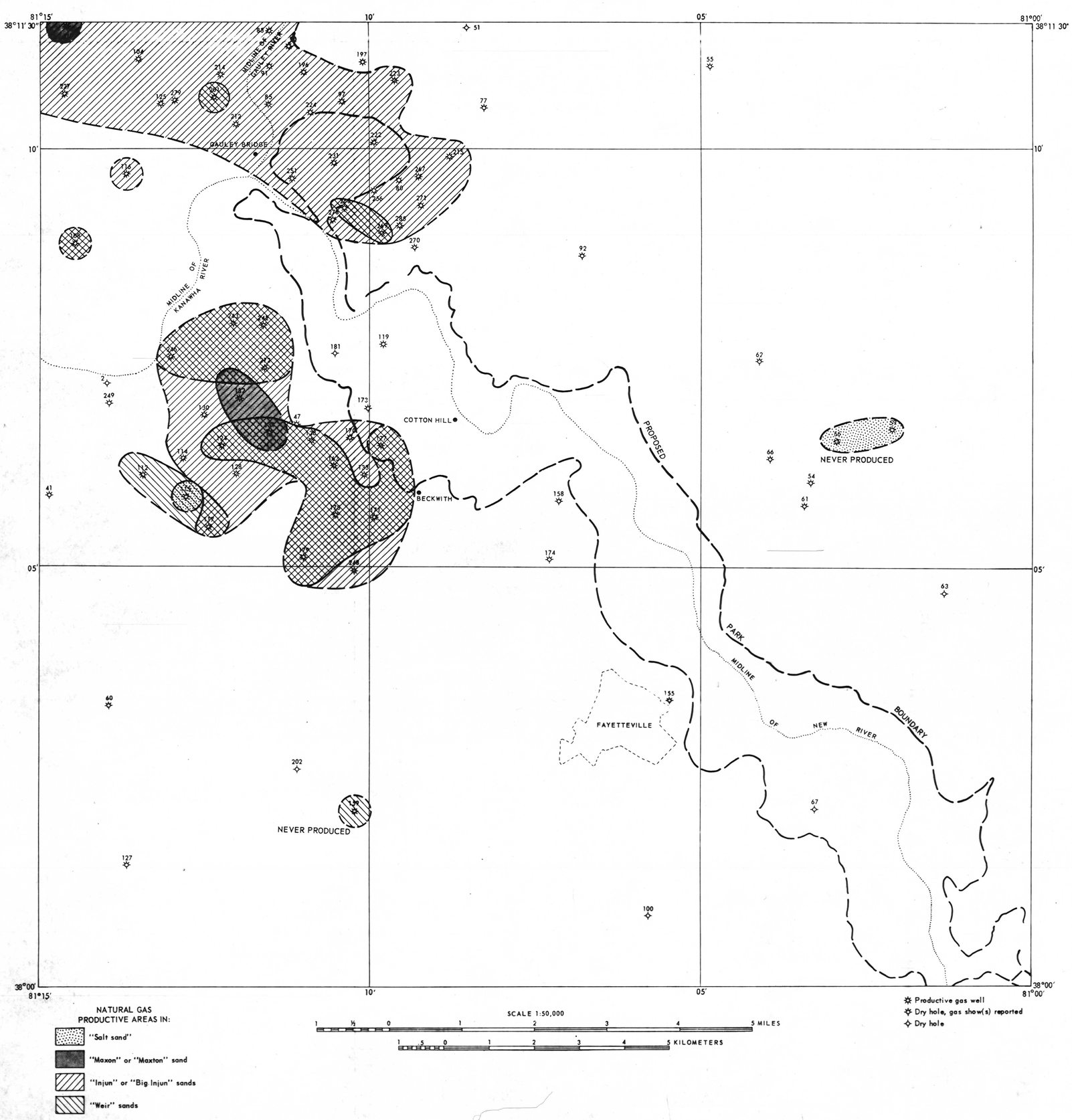


FIGURE 7. PRESENTLY DEFINED NATURAL GAS PRODUCTIVE AREAS IN SHALLOW GAS SANDS

TABLE OF PRODUCING WELLS (DATA FURNISHED BY WEST VIRGINIA GEOLOGICAL SURVEY).

| PERMIT NO. FAY | TOTAL DEPTH FEET | TOTAL DEPTH METERS | PRODUCING INTERVALS | FEET | METERS | INITIAL PRODUCTION | RESERVOIR PRESSURE |
|---|---|---|---|---|---|---|---|
| 80 | 2395 | 729.9 | Greenbrier Limestone | 1841-55 | 561.1-565.4 | 377 MCF | |
| 83 | 1732 | 527.9 | "Big Injun" | 1722-1731 | 524.9-527.6 | 4,199 MCF | |
| 85 | 1741 | 530.7 | Greenbrier Ls. | 1640-83 | 499.9-513.0 | 55 MCF | |
| 90 | 2252 | 686.4 | Greenbrier Ls.<br>"Injun" | 2008-2164<br>2206-2217 | 612.0-659.6<br>672.4-675.7 | 272 MCF | |
| 91 | 2173 | 662.3 | "Injun" | 2128-2130 | 648.6-649.2 | 189 MCF | |
| 97 | 1900 | 579.1 | Greenbrier Ls.<br>"Injun Sand" | -<br>- | -<br>- | 467 MCF | |
| 104 | 2120 | 646.2 | "Red Injun" | 2024-27 | 616.9-617.8 | 462 MCF | 1050 PSI |
| 108 | 3050 | 929.6 | "Big Injun & Weir" | | | 207 MCF | |
| 112 | 2402 | 732.1 | "Lower Weir & Upper Weir" | - | - | 528 MCF | |
| 114 | 2135 | 650.7 | "Big Injun" | 1930-32<br>1941-44 | 588.3-588.9<br>591.6-592.5 | 900 MCF | |
| 115 | 2169 | 661.1 | "Salt Sand"<br>"Weir" | 1078-1122<br>2018-2050 | 328.6-342.0<br>615.1-624.8 | 500 MCF | |
| 116 | 2250 | 685.8 | "Big Injun" | - | - | 73 MCF | |
| 117 | 2300 | 701.0 | "Big Injun"<br>"Weir" | 2136<br>2140-42<br>2157-61 | 651.1<br>652.3-652.9<br>657.5-658.7 | 151 MCF | |
| 119 | 2078 | 633.4 | Greenbrier Ls. | 1683-1701 | 513.0-518.5 | 250 MCF | |
| 124 | 2800 | 853.4 | "Injun Sand"<br>"Weir Sand" | 2592-95<br>2600-03<br>2662-65<br>2645-49 | 790.0-791.0<br>792.5-793.4<br>811.4-812.3<br>806.2-807.4 | 242 MCF | |
| 125 | 1965 | 598.9 | "Big Injun" | 1902-07 | 579.7-581.3 | 146 MCF | |
| 128 | 2260 | 688.8 | "Injun Sand" | 2060-2077 | 627.9-633.1 | 27.9 MCF | |
| 130 | 2770 | 844.3 | Maccrady Formation | - | - | 780 MCF | |
| 131 | 2790 | 850.4 | Bluefield Group ("Maxton Sand")<br>"Big Injun"<br>"Weir Sand" | -<br>-<br>- | -<br>-<br>- | 420 MCF<br>340 MCF<br>260 MCF | |
| 132 | 2755 | 839.7 | Bluefield Group ("Maxton Sand") | 2070-90 | 630.9-637.0 | 400 MCF | |
| 133 | 2587 | 788.5 | Greenbrier Ls.<br>"Red Injun" | 2000-05<br>2057-2068 | 609.6-611.1<br>627.0-630.3 | 1,800 MCF | 625 PSI/7 days |
| 138 | 2802 | 854.1 | "Red Injun" & "Weir" | 2668-2750 | 813.2-838.2 | 220 MCF | |
| 163 | 2294 | 699.2 | Maccrady Fm.<br>"Weir" | 2079-80<br>2125-45 | 633.7-634.0<br>647.7-653.8 | 600 MCF | 640 PSI/30 days |
| 170 | 2567 | 782.4 | "Red Injun" | 2298-2307 | 700.4-703.2 | 1,700 MCF | 630 PSI/7 days |
| 171 | 2316 | 705.9 | "Big Injun"<br>"Weir" | 2127-32<br>2165-74 | 648.3-649.8<br>660.0-662.6 | 1,141 MCF | 630 PSI Big Injun<br>630 PSI Weir |
| 177 | 2816 | 858.3 | "Big Injun"<br>"Weir" | 2610-26<br>2651-2716 | 795.5-800.4<br>808.0-827.8 | 492 MCF | 565 PSI |
| 178 | 2305 | 702.6 | "Big Injun"<br>"Weir" | -<br>2186-2210 | -<br>666.3-673.6 | 1,205 MCF | 640 PSI/2 days |
| 179 | 2509 | 764.7 | "Big Injun"<br>"Weir" | 2333-43<br>2373-96 | 711.1-714.1<br>723.3-730.3 | 499 MCF | 650 PSI/2 days |
| 196 | 2475 | 754.4 | Greenbrier Ls. | 2055-69 | 626.4-630.6 | 642 MCF | 580 PSI/14 days |
| 197 | 2780 | 847.3 | Greenbrier Ls. | 2128-71 | 648.6-661.7 | 1,299 MCF | 245 PSI |
| 201 | 2825 | 861.0 | "Weir" | 2362-76 | 719.9-724.2 | 2,144 MCF | 590 PSI |
| 212 | 2495 | 760.5 | Pocono | 2160-2208 | 658.4-673.0 | 3,714 MCF | 590 PSI/14 days |
| 214 | 2331 | 710.5 | "Big Injun" | 2003-23 | 610.5-620.9 | 1,077 MCF | 542 PSI/14 days |
| 215 | 2778 | 846.7 | "Big Lime"<br>"Big Injun" | 2031-113<br>2146-2203 | 619.0-644.0<br>654.1-671.5 | 304 MCF | 580 PSI/14 days |
| 222 | 2310 | 704.1 | "Injun" | 2056-66 | 626.7-629.7 | 1,299 MCF | 605 PSI/14 days |
| 223 | 2315 | 705.6 | "Injun" | 2112-30 | 643.7-649.2 | 750 MCF | 590 PSI/14 days |
| 224 | 1900 | 579.1 | "Big Injun" | 1707-24 | 520.3-525.5 | 1,299 MCF | 590 PSI/14 days |
| 227 | 2699 | 822.7 | "Keener"<br>"Big Injun" | 2490-98<br>2526-32 | 759.0-761.4<br>769.9-771.8 | 1,061 MCF | 600 PSI |
| 231 | 2040 | 621.8 | "Injun" | 1918-32 | 584.6-588.9 | 267 MCF | 610 PSI/14 days |
| 242 | 2108 | 642.5 | "Big Injun"<br>"Weir" | 1812-42<br>1874-1934 | 552.3-561.4<br>571.2-589.5 | 1061 MCF | 565 PSI/14 days |
| 243 | 5180 | 1578.9 | "Big Injun"<br>"Weir" | 2457-69<br>2498-2546 | 748.9-752.6<br>761.4-776.0 | 169 MCF | 605 PSI/14 days |
| 246 | 2100 | 640.1 | "Big Injun"<br>"Weir" | 1822-38<br>1943-72 | 555.4-560.2<br>592.2-601.1 | 169 MCF | 570 PSI/14 days |
| 248 | 2580 | 786.4 | "Upper Weir" | 2418-32 | 737.0-741.3 | 405 MCF | |
| 251 | 2100 | 640.1 | Greenbrier Ls.<br>"Big Injun" | 1829-93<br>1996-2044 | 557.5-577.0<br>608.4-623.0 | 458 MCF | 600 PSI/2 days |
| 256 | 200 | 60?.6 | "Keener" ("Big injun")<br>"Big Injun" | 1850-56<br>1884-1990 | 563.9-565.7<br>574.2-606.6 | 1,350 MCF | 660 PSI |
| 267 | 2126 | 648.0 | Greenbrier Ls.<br>"Big Injun" | 1774-1939<br>2040-49 | 540.7-591.0<br>621.8-624.5 | 353 MCF | 600 PSI |
| 268 | 2206 | 672.4 | "Injun" | 2033-41 | 619.7-622.1 | 692 MCF | 610 PSI/14 days |
| 269 | 2712 | 826.6 | Greenbrier Ls.<br>"Big Injun"<br>"Weir" | 2234-37<br>2484-2500<br>2524-44 | 680.9-681.8<br>757.1-762.0<br>769.3-775.4 | 1,374 MCF<br>1,374 MCF | 580 PSI/14 days<br>580 PSI/14 days |
| 271 | 2675 | 815.3 | "Injun" | 2459-65 | 749.5-751.3 | 111 MCF | |
| 272 | 2235 | 681.2 | "Big Injun"<br>"Weir" | 2000-12<br>2072-84 | 609.6-613.3<br>631.5-635.2 | 984 MCF | 640 PSI/14 days |
| 278 | 2082 | 634.6 | Greenbrier Ls.<br>"Big Injun" | 1896-1911<br>1955-2004 | 577.9-582.5<br>595.9-610.9 | 295 MCF | 590 PSI |
| 279 | 1993 | 607.5 | "Injun" | 1804-14<br>1846-62 | 549.9-552.9<br>562.7-567.5 | 1,055 MCF | 500 PSI/2 days |
| 285 | 2110 | 643.1 | Greenbrier Ls.<br>"Big Injun" | 1829-93<br>1996-2044 | 557.5-577.0<br>608.4-623.0 | 458 MCF | 600 PSI |
| 219 | 2493 | 759.9 | "Maxton"<br>"Big Injun" | -<br>- | -<br>- | 1,500 MCF<br>300 MCF | |

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Cardwell, D. H., 1974, Oriskany and Huntersville gas fields of West Virginia: West Virginia Geol. and Economic Survey; Mineral Resources Series no. 5 139 p. and maps.

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This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.

# MAPS AND TABLE OF NATURAL-GAS PRODUCTIVE INTERVALS, NEW RIVER GORGE AREA, WEST VIRGINIA

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West Virginia (New River Gorge area). Resources. U.S. 1977
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