

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

WELL RECORD

Permit No. Mon-94

Gas Well

Blacksville Quad. *760*

DRILLING DEEPER

CASING & TUBING

| | | | | |
|-------------|-----------------------------|--------|------|-------------------|
| Company | Pitts. & W.Va. Gas Co. | 5 3/16 | 2994 | 2994 |
| Address | Clarksburg, W.Va. | | | |
| Farm | A.O. Henderson Acres 182 | | | |
| Location | Blacksville N/W. 4-2 | | | |
| Well No. | 5196 | | | Elev. 1422 |
| District | Clay | | | County Monongalia |
| Surface | A.O. Henderson, Core, W.Va. | | | |
| Mineral | Same | | | |
| Drilling | Aug. 9, 1937 | | | Commenced |
| | Sept. 29, 1937 | | | Completed |
| Date Shot | 10-2-37 | | | Depth 3250-3260 |
| Volume | 16,848 Cu.Ft. | | | |
| Rock Press. | 238 # | | | 19 hrs. |

| Formation | Color | Gr | Top | Base | Result | Formation | Color | Gr | Top | Base | Result |
|--------------------------|-------|-----|------|------|---------------------------|-----------|-------|----|-----|------|--------|
| Began drg. deeper at | | | | 2233 | | | | | | | |
| Big Injun ³¹¹ | Gray | H | 2148 | 2406 | Water | | | | | | |
| Squaw Sand | Gray | H | 2406 | 2465 | 2268-78-3 bailers pr. hr. | | | | | | |
| Slate | Gray | H | 2465 | 2500 | Sh. Oil | | | | | | |
| Shells | Gray | H&S | 2500 | 2727 | 2283' | | | | | | |
| Sand | Gray | H | 2727 | 2765 | | | | | | | |
| Slate | Gray | S | 2765 | 2777 | | | | | | | |
| Fifty Foot | Gray | H | 2777 | 2827 | | | | | | | |
| Shells | Gray | H&S | 2827 | 2871 | | | | | | | |
| Red Rock | Red | S | 2871 | 2877 | | | | | | | |
| Thirty Foot | Gray | H | 2877 | 2916 | Water | | | | | | |
| Slate | Gray | S | 2916 | 2926 | 2890-93 | | | | | | |
| Shells | Gray | H | 2926 | 2945 | Hole | | | | | | |
| Red Rock | Red | S | 2945 | 2965 | Full. | | | | | | |
| Shells | Red | H&S | 2965 | 2988 | | | | | | | |
| Gordon Stray | Gray | H | 2988 | 3002 | | | | | | | |
| Slate | Gray | S | 3002 | 3007 | | | | | | | |
| Shells | Gray | H | 3007 | 3016 | | | | | | | |
| Slate | Red | S | 3016 | 3033 | | | | | | | |
| Red Rock Shells | Red | H | 3033 | 3078 | | | | | | | |
| Gordon Sand | Red | H | 3078 | 3090 | | | | | | | |
| Slate & Shells | Gray | S&H | 3090 | 3103 | | | | | | | |
| 4th Sand | Gray | H | 3103 | 3118 | | | | | | | |
| Slate | Gray | S | 3118 | 3130 | | | | | | | |
| Sand | Gray | H | 3130 | 3134 | | | | | | | |
| Slate | Gray | S | 3134 | 3174 | | | | | | | |
| Stray Sand | Gray | H | 3174 | 3189 | Sh. Gas | | | | | | |
| Slate | Gray | S | 3189 | 3192 | 3175-1/2' | | | | | | |
| Slate & Shells | Gray | H&S | 3192 | 3250 | | | | | | | |
| Fifth Sand | Gray | H | 3250 | 3267 | Sh. Gas | | | | | | |
| Shells | Gray | H&S | 3267 | 3292 | 3252' | | | | | | |
| Sand | Gray | H | 3292 | 3296 | 7/10 W | | | | | | |
| Slate | Gray | S | 3296 | 3408 | 1" | | | | | | |
| Shells | Gray | H | 3408 | 3412 | | | | | | | |
| TOTAL DEPTH | | | | 3412 | | | | | | | |

Record of Well No. 5196 Located on Alpheus Henderson Farm June 27 1916

Clay District Monongalia County W. Va. State
 Division D District No. 11 Drilled under well Order 607

Rig built by Nelson Tennant Began July 25 1916 Completed July 29 1916

Well drilled by Fox & Moslander Began Nov. 8 1916 Completed Feb. 8 1917

Depth of Well 2243 feet Size of Hole 6 5/8 Producing Gas
 Elevation: 1422 3412 1/2 - 5 3/4 Plug at 1938 -

| CASED WITH | | | REMARKS |
|------------|---------|------|---|
| AMOUNT | SIZE | KIND | |
| 16' | 13" | Wood | Drilled from 1917 to 3412 1/2 Re-lined 48-77-9837- 417-894 at 5000. 77-149-7-11-10-7-11 Re-lined 94-77-1941- 717-15-29-5000 Re-lined 237-432- as per P. Re-lined 007-29-37- 134-77-2860- Re-lined 2-77-46-2-11-132-77-2504- 5000. |
| 915' | 10" | New | |
| 1642' | 8 1/4" | New | |
| 2088' | 6 7/8" | New | |
| 2333' | 2" | New | |
| 5 3/4' | 2 9/16" | New | |

COAL VEINS Mapletown 820 Ph. 893
 825 Ph. 898

FORMATIONS

| NAME | TOP | BOTTOM | OIL | GAS | WATER | REMARKS |
|---------------|------|--------|-----|---------|---------|-----------------------------|
| Bluff sand | 490 | 540 | | | 560 | |
| Big Numbered | 1362 | 1420 | | 1585 | | show |
| Good sand | 1585 | 1597 | | | | |
| 1st salt dead | 1685 | 1700 | | | | |
| 2nd " | 1712 | 1740 | | | | |
| 3rd " | 1750 | 1900 | | | 1775-85 | |
| Little Lime | 2050 | 2065 | | | | |
| Big Lime | 2094 | 2148 | | | | |
| Big Turfan | 2148 | | | 2174-22 | | 1.2 W 2" .5 W 2" 146 Mcf |
| | | | | 2252- | | |
| | | | | | | 33 14 31 5 4 31 47 |

FIRST PRESSURE TEST IN 2" TUBING

REMARKS

30 Sec. 3 lbs.
 1 Min. 5 "
 2 " 7 "
 5 " 10 "
 10 " 30 "
 15 " 55 "
 30 " 80 "

Rock Pressure ^{460-24 hrs.} 390-6 hrs. in
 Taken Feb. 8-1917. 19
 By

WELL TUBED AND PACKED Nov. 13 1917

Replanned 8-29-35

VIZ:- 106 ft. 2233 ft. of 2" tubing -
 5 ft. 71 ft. below packer.
 1- 6 5/8 X 3" Hook Wall Packer
 2- 3 X 2" Sledge nipples
 1- 2" R & L

FIRST PRESSURE TEST IN 2" TUBING

REMARKS

30 Sec. 10 lbs.
 1 Min. 16 "
 2 " 28 "
 5 " 68 "
 10 " 117 "
 15 " 210 "
 30 " 240 "
 4* 280 "
 Rock Pressure " in

Taken Nov. 15-1917 19
 By

MATERIAL FOR THIS WELL RECEIVED FROM FOLLOWING SOURCES: