

LATITUDE

39 45

5108

LONGITUDE

OGIS
75' loc

7'5 OGIS topo location

| | | | |
|----------|--------------|---------|-------|
| 7.5' loc | <u>2.015</u> | 15' loc | _____ |
| | <u>1.34W</u> | (calc.) | _____ |

Company _____

Farm _____

WELL LOCATION MAP

File No. 10297

LATITUDE 39° 45'

LONGITUDE 80° 15'

Louisa Cummins

sto.

N 89-14W
1816.5'

Iron stn
in state line

To Brave

Peena
W. Va.

Location
Elev. 970

S 58° 16' W
236'

N 13-40E
280.1'

S 42-16E
200'

N 23-24E 2799

stn

Dunkard Creek

Simon Cumberlandge

coal not operated

Ella Knoudi

070
668
30'

1.35W
1.22-0

2.05 A
2.14-5

~~1.12 W
2.03 A~~

Company J.A.Cummins & M.R.Phillips
 Address Blacksville, W.Va.
 Farm Louisa Cummins
 Tract 1 Acres 46.48 Lease No. _____
 Well (Farm) No. 2 Serial No. _____
 Elevation (Spirit Level) 970'
 Quadrangle Mannington **(NE)**
 County Monongalia District Battelle
 Engineer A.L.Headley
 Engineer's Registration No. _____
 File No. _____ Drawing No. _____
 Date 8-18-1937 Scale 1"-400'

STATE OF WEST VIRGINIA
Department of Mines
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP

File No. MON-97

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

WEST VIRGINIA DEPARTMENT OF MINES

OIL & GAS DIVISION

WELL RECORD

Permit No. Mon-97

Gas Well

Mannington Quad.

CASING & TUBING

| | | | | |
|--------------------|--------------------------------|-------------------------|--------|--------|
| Company | J. A. Cummins & M. R. Phillips | 10 | 680 | pulled |
| Address | Blacksville, W. Va. | 8-1/4 | 1508 | 548 |
| Farm | Louisa Cummins Acres - | 6-5/8 | 1897 | |
| Location | - | 5-3/16 | 2858 | |
| Well No. | Two Elev. 975 | | | |
| District | Battelle County Monongalia | <u>COAL ENCOUNTERED</u> | | |
| Surface & Mineral | Louisa Cummins, Wana, W. Va. | Feet | Inches | |
| Drilling commenced | Sept. 20, 1937 | 310 | | |
| Drilling completed | Feb. 22, 1938 | 565 | | |
| Shot | - | 570 | | |
| Open Flow | 30/10ths water in 2 inch | 668 | | |
| Volume | 260,000 c. f. | 676 | | |
| Rock Pressure | 50 lbs. 24 hrs. | | | |
| Fresh water | 20' | | | |
| Salt Water | 2027' | | | |

Formation Color ^{Har}/₅ Top Base Result Formation Color ^{Har}/₅ Top Base Result

| Formation | Color | ^{Har} / ₅ | Top | Base | Result | Formation | Color | ^{Har} / ₅ | Top | Base | Result |
|--------------------------|-------|-------------------------------|------|------|--------|-----------|-------|-------------------------------|-----|------|--------|
| Waynesburg Coal | | | 310 | 314 | | | | | | | |
| Mapletown Coal | | | 565 | 570 | | | | | | | |
| Pittsburgh Coal | | | 668 | 676 | | | | | | | |
| Big Dunkard Sand | | | 1170 | 1220 | | | | | | | |
| Gas Sand | | | 1500 | 1660 | | Water | | | | 1500 | |
| Big Lime | | | 1890 | 1924 | | | | | | | |
| Big Injun ³¹¹ | | | 1924 | 2175 | | Water | | | | 2027 | |
| Thirty Foot | | | 2470 | 2505 | | | | | | | |
| Fifty Foot | | | 2598 | 2648 | | | | | | | |
| Gordon Sand | | | 2860 | 2900 | | | | | | | |
| Fourth Sand | | | 2862 | | | Gas | | | | 2862 | |
| Fifth Sand | | | 2920 | 2948 | | | | | | | |
| | | | 2960 | 3002 | Gas | | | | | | |
| | | | 2980 | 2982 | | | | | | | |
| | | | 2995 | 2998 | Gas | | | | | | |
| Total Depth | | | | 3169 | | | | | | | |