

LATITUDE

(15') 38° 30'
(75') 38° 27' 30'

(15') 81° 30'
(75') 81° 22' 30"

75'

LONGITUDE

7'5 OGIS topo location

7.5' loc .76
.04w

15' loc 3.64s
(calc.) 2.30w

Company United Fuel Gas

Farm MF Orth & HC Walker 4667

Quad Big Chimney 7.5' / Charleston 15' (3) ^{NE}

County Kanawha

District EIK

WELL LOCATION MAP

File No. 039-254

Kanawha

Gas

DEEP

6-6 Elk-Poca (Sissonville) (192)

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION

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Permit No. Kan 254

Gas Well

Charleston Quad.

Company - United Fuel Gas Co.
Address - Box 1256, Charleston, W. Va.
Farm - M. F. Orth & H. C. Walter
Acres - 91
Location - 3 Mi. Fork, Coopers Creek
Well No. - 4667. Elev. 940.8'
District - Elk. County- Kanawha
Surface & Mineral - M. F. Orth et al
Drilling - Commenced- 7-8-36
 Completed 1-25-37
Date Shot - 1-26-37. Depth 5093
Open Flow - 4,500,000 Est.
Rock Press.- 1480 lbs. 48 hrs.
Oil -
Fresh Water-
Salt Water - 1080 & 1150 feet

CASING & TUBING

| | |
|----------|------|
| 14" O.D. | 174' |
| 10 | 1396 |
| 8-5/8 | 1911 |
| 7" OD | 5010 |

Coal was encountered at 400'36"

*3.67 S 38° 30'
2.22 W 81° 30'*

| Formation | Color | Top | Bottom | Result | Formation | Color | Top | Bottom | Result |
|--------------------|-------|------|--------|-----------------------|-----------|-------|-----|--------|--------|
| Red Sub Soil | | 0 | 170 | | | | | | |
| Grey Slate & Shell | | 170 | 400 | | | | | | |
| Coal | | 400 | 403 | No. 2. | | | | | |
| White Sand | | 403 | 530 | | | | | | |
| Black Slate | | 530 | 550 | | | | | | |
| White Sand | | 550 | 620 | | | | | | |
| Black Slate | | 620 | 660 | | | | | | |
| Sand | | 660 | 720 | | | | | | |
| Lime & Sand | | 720 | 795 | | | | | | |
| Blue Slate | | 795 | 925 | | | | | | |
| Sand | | 925 | 960 | | | | | | |
| Slate | | 960 | 978 | | | | | | |
| Lime | | 978 | 1003 | | | | | | |
| Slate | | 1003 | 1060 | | | | | | |
| Salt Sand | | 1060 | 1315 | Show Oil 1075 | | | | | |
| Slate Break | | 1315 | 1317 | Water 1080 | | | | | |
| Salt Sand | | 1317 | 1485 | | | | | | |
| Slate Break | | 1485 | 1486 | Water 1150 hole full | | | | | |
| Maxon Sand | | 1486 | 1550 | | | | | | |
| Black Lime | | 1550 | 1583 | | | | | | |
| Slate | | 1583 | 1585 | | | | | | |
| Little Lime | | 1585 | 1610 | | | | | | |
| Pencil Cave | | 1610 | 1615 | | | | | | |
| Big Lime | | 1615 | 1755 | Gas 1616 2/10 thru 2" | | | | | |
| Kecner Sand | | 1755 | 1800 | Gas 1710 | | | | | |
| Slate & Shell | | 1800 | 1843 | Gas 1755 | | | | | |
| Big Injun | | 1843 | 1875 | | | | | | |
| Lime & Slate | | 1875 | 1915 | | | | | | |
| Slate & Shell | | 1915 | 2200 | | | | | | |
| Lime Shell | | 2200 | 2310 | | | | | | |
| Slate & Shell | | 2310 | 2700 | | | | | | |
| Slate | | 2700 | 3100 | | | | | | |
| Slate & Shell | | 3100 | 3390 | | | | | | |
| Brown Shale | | 3390 | 3450 | | | | | | |
| Lime & Slate | | 3450 | 3605 | | | | | | |
| Slate & Shells | | 3605 | 3800 | | | | | | |
| Light Shale | | 3800 | 3880 | | | | | | |
| Brown Shale | | 3880 | 4025 | | | | | | |
| Slate | | 4025 | 4590 | | | | | | |
| Shale | | 4590 | 4655 | | | | | | |
| Brown Shale | | 4655 | 4880 | | | | | | |
| White Shale | | 4880 | 4892 | | | | | | |
| Brown Shale | | 4892 | 4950 | | | | | | |
| Corniferous Lime | | 4950 | 5063 | | | | | | |
| Oriskany Sand | | 5063 | | Gas 5072 | | | | | |
| Total Depth | | | 5093 | Gas 5076 & 5084 | | | | | |