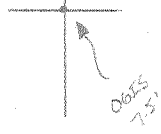


LATITUDE

(15') 38° 20'
(75') 38° 17' 36"



(75') 81° 30'

LONGITUDE

7'5 OGIS topo location

| | | | |
|----------|--------------|---------|--------------|
| 7.5' loc | <u>1.205</u> | 15' loc | <u>3.085</u> |
| | <u>1.56w</u> | (calc.) | <u>1.56w</u> |

Company United Fuel Gas Co

Farm Georges Creek Land & Mining Co (4658)

Quad Charleston East 7.5' / Charleston 15' SE

County Kanawha

District Malden

WELL LOCATION MAP

File No. 039-2,38

Kanawha

DEEP WELL 6-6 Campbell Creek - Malden (214)

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

WELL RECORD

XVI

Permit No. Kan-238

Gas Well

Chas. Quad.

Company - United Fuel Gas Company
 Address - Charleston, West Va.
 Farm - Georges Creek L. & M. Co. Acres 2663
 Location - Georges Creek
 Well No. - 4658. Elev. 1257.43
 District - Malden County - Kanawha
 Surface & Mineral - Georges Creek Land & Mining Co.
 New York, N. Y.
 Drilling - Commenced - 10-21-36
 Completed - 2-2-37
 Date Shot - 2-2-37. Depth - 5117
 Open Flow - after shot 4 1/10ths
 Volume - 2,502,000 Cu. Ft.
 Rock Press. - 960 lbs. 24 hrs.
 Oil -
 Fresh Water -
 Salt Water - 940 feet 1,220 feet

CASING & TUBING

13 16
 10 836'6"
 8 1/2 1774'11"
 6-5/8 5083'9"

PACKER

Kind - P. Inverted
 Step
 Size - 8 1/2 x 10 x 8
 Depth - 1787

Coal was encountered at 140'24"; 260'36";
 365'24"; 440'36"; 515'36"; 758'48"

2' 95' S 33° 20'
 0.49 W 21° 30'

ADD
 12/17

1267.70 L (DF)

| Formation | Color | Top | Bottom | Result | Formation | Color | Top | Bottom | Result |
|----------------------|-------|------|--------|--------|--------------------------------------|-------|------|--------|--------|
| Yellow Sand | | 0 | 20 | 16'13" | Conductor | | | | |
| Slate | | 20 | 30 | | Slate & Shells | | 1865 | 3335 | |
| Line | | 30 | 40 | | Brown Shale | | 3335 | 3350 | |
| Sand | | 40 | 55 | | White Slate | | 3350 | 3375 | |
| Slate & Shells | | 55 | 115 | | Brown Shell | | 3375 | 3475 | |
| Sand | | 115 | 140 | | Slate & Shells | | 3475 | 3700 | |
| Coal | | 140 | 142 | | Brown Shale | | 3700 | 4100 | |
| Slate & Shells | | 142 | 165 | | White Slate | | 4100 | 4550 | |
| Sand | | 165 | 200 | | Brown Shale | | 4550 | 4875 | |
| Slate | | 200 | 225 | | White Slate | | 4875 | 4915 | |
| Sand | | 225 | 255 | | Brown Shale | | 4915 | 4960 | |
| Slate | | 255 | 260 | | Black Slate | | 4960 | 4996 | |
| Coal | | 260 | 263 | | (Halliburton Meas. 5037') | | | | |
| Slate & Shells | | 263 | 310 | | Corniferous Lime | | 4996 | 5116 | |
| Sand | | 310 | 325 | | (Steel Line 5032') | | | | |
| Slate | | 325 | 365 | | Oriskany Sand | | 5116 | 5137 | |
| Coal | | 365 | 367 | | (Gas 5116') | | | | |
| Slate | | 367 | 370 | | Line | | 5137 | | |
| Sand | | 370 | 440 | | TOTAL DEPTH | | 5139 | | |
| Coal | | 440 | 443 | | | | | | |
| Slate & Shells | | 443 | 515 | | 18 (16/10 M 2" 5116'-5118') | | | | |
| Coal | | 515 | 518 | | 35 (10 M 2" 5118'-5120' 1040 M.C.F.) | | | | |
| Slate | | 518 | 540 | | Steel Line 5139' | | | | |
| Sand | | 540 | 570 | | Oil Show 5123' 1 gal. in 6 hrs.) | | | | |
| Slate & Shells | | 570 | 610 | | | | | | |
| Sand | | 610 | 640 | | | | | | |
| Slate | | 640 | 720 | | SHOT RECORD: | | | | |
| Slate Sand | | 720 | 758 | | Date: 2/12/37 with 30 quarts | | | | |
| Coal | | 758 | 762 | | Top shot 5117' bottom shot 5138' | | | | |
| Black Slate | | 762 | 805 | | Run 804' 10" Casing | | | | |
| White Slate & Shells | | 805 | 835 | | Test before shot 18/10 M. | | | | |
| Gas Sand | | 835 | 865 | | 2" 745 M.C.F. | | | | |
| Slate & Shells | | 865 | 890 | | Show Gas 840' | | | | |
| Sand Salt | | 890 | 1030 | | Test after shot: 2 1/2 hours | | | | |
| Slate & Shells | | 1030 | 1040 | | 4 1/10 M 3" 2,502 | | | | |
| Salt Sand | | 1040 | 1305 | | Shells: Two | | | | |
| Slate | | 1305 | 1310 | | Length of Shells: 21 | | | | |
| Sand | | 1310 | 1442 | | | | | | |
| Slate & Shells | | 1442 | 1485 | | | | | | |
| Maxon Sand | | 1485 | 1557 | | | | | | |
| Little Sand Lime | | 1557 | 1592 | | | | | | |
| Slate Broke | | 1592 | 1600 | | | | | | |
| Gray Lime | | 1600 | 1615 | | | | | | |
| Pencil Cave | | 1615 | 1620 | | | | | | |
| Dark Lime | | 1620 | 1628 | | | | | | |
| Slate Broke | | 1628 | 1631 | | | | | | |
| Big Lime | | 1631 | 1800 | | | | | | |
| Red Injun | | 1800 | 1865 | | 1787' 8 1/2" Casing Run | | | | |
| | | | | | Gas 1817' to 1830' | | | | |

1800
 1620
 1780

1800
 1268
 - 532

✓

deep well