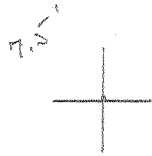


LATITUDE (15° 7.5') 38° 30'

(15° 7.5') 81° 30'

LONGITUDE



7'5 OGIS topo location

| | | | |
|----------|--------------|---------|--------------|
| 7.5' 10C | <u>1.59E</u> | 15' 10C | <u>1.59E</u> |
| | <u>2.13W</u> | (calc.) | <u>2.13W</u> |

Company United Carbon Co.

Farm H C Smith 1(660)

Quad Big Chimney 7.5' / Charleston 15' (3)

County Kanawha

District ELK

WELL LOCATION MAP

File No. 039-232

Kanawha

GAS

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

Pik District, Kanawha County, W. Va.

By United Carbon Co., ~~Charleston~~, Charleston, W. Va.

Elevation, 919' L.

S. H. Cart, drilling contractor.

Commenced drilling June 4, 1936; completed Sept. 26, 1936.

13" conductor, 16"; 10" casing, 404'; 8 1/2", 1326'; 6 3/4", 4965';

2" tubing, 5083'.

Small show gas, 1033'.

Hole full water at 1148'.

Show of oil and gas at 2044'.

Show of gas, 5061'.

Big pay gas, 5074-5083'.

Results: Gas, 17/10 Mercury in 6" O.D. 2 1/2" casing, 5,250,000 cu. ft.

Rock pressure, 1800 lbs.

Record to BOT from Wilson 6-17-37.

| | Top. | Bottom. |
|-----------------------|------|---------|
| Yellow clay | 0 | 25 |
| Red rock | 25 | 80 |
| Blue lime | 80 | 125 |
| Red rock and shells | 125 | 170 |
| Slate and shells | 170 | 205 |
| Red rock | 205 | 240 |
| Slate and lime shells | 240 | 270 |
| Lime | 270 | 290 |
| Sand | 290 | 320 |
| Slate | 320 | 332 |
| Sand | 332 | 390 |
| Lime | 390 | 400 |
| Slate and shells | 400 | 560 |
| Sand | 560 | 615 |
| Slate | 615 | 608? |
| Sand | 608? | 760 |
| Slate | 760 | 775 |
| Sand | 775 | 860 |
| Slate | 860 | 875 |
| Sand | 875 | 910 |
| Slate | 910 | 985 |
| Sand | 985 | 1042 |
| White slate | 1042 | 1062 |
| Salt Sand | 1062 | 1509 |
| Slate and lime shells | 1509 | 1575 |
| Little lime | 1575 | 1605 |
| Pencil Cave | 1605 | 1610 |
| Big lime | 1610 | 1782 |
| Big Injun Sand | 1782 | 1787 |
| Slate and shells | 1787 | 3400 |
| Brown shale | 3400 | 3475 |
| Gray shale | 3475 | 3830 |
| Brown shale | 3830 | 3975 |
| Gray shale | 3975 | 4560 |
| Brown shale | 4560 | 4590 |
| Blue shale | 4590 | 4645 |
| Brown shale | 4645 | 4835 |
| Gray shale | 4835 | 4902 |
| Black shale | 4902 | 4942 |
| Corniferous Lime | 4942 | 5050 |
| Oriskany Sand | 5050 | 5083 |
| Hard lime | 5083 | 5084 |
| Total depth | | 5084 |

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

WELL RECORD

Permit No. Kan 232

Gas Well

Quad not given

CASING & TUBING

Company United Carbon Co.
 Address 901 Union Bldg. Charleston, W.Va.
 Farm H.C.Smith Acres 58
 Location Aaron's Fk. Little Sandy Cr.
 Well No. 1-660 Elev. 919'
 District Elk County Kanawha
 Surface H.C.Smith, Elkview, W.Va.
 Mineral H.C.Smith, Agent, Elkview, W.Va.
 Drilling Commenced June 4, 1936
 Completed Sept. 26, 1936
 Volume 5,250,000 Cu.Ft.
 Rock Press. 1800#--

| | | |
|-------|------|------|
| 10 | 404' | 404' |
| 8 1/4 | 1826 | 1826 |
| 6 5/8 | 4965 | 4965 |
| 2 | 4983 | 4983 |

Casing cemented, size 6 5/8"
 360' - 9-2-36.
 Size 8 1/2", 140' - 7-16-36

ABAD
1.58 S 30
2.3 W. 30'

| Formation Color ^{Hor} TOP Bottom Result | | | | Formation Color ^{Hor} TOP Bottom Result | | | |
|--|--------|------|------|--|--|--|--|
| Clay | Yellow | 00 | 25 | | | | |
| Red Rock | | 25 | 80 | | | | |
| Lime | Blue | 80 | 125 | | | | |
| Red Rock & Shells | | 125 | 170 | | | | |
| Slate & Shells | | 170 | 205 | | | | |
| Red Rock | | 205 | 240 | | | | |
| Slate & Lm. Shls. | | 240 | 270 | | | | |
| Lime | | 270 | 290 | | | | |
| Sand | | 290 | 320 | | | | |
| Slate | | 320 | 332 | | | | |
| Sand | | 332 | 390 | | | | |
| Lime | | 390 | 400 | | | | |
| Slate & Shells | | 400 | 560 | | | | |
| Sand | | 560 | 615 | | | | |
| Slate | | 615 | 656 | | | | |
| Sand | | 656 | 760 | | | | |
| Slate | | 760 | 775 | | | | |
| Sand | | 775 | 860 | | | | |
| Slate | | 860 | 875 | | | | |
| Sand | | 875 | 910 | | | | |
| Slate | | 910 | 985 | | | | |
| Sand | | 985 | 1042 | | | | |
| Slate | White | 1042 | 1062 | | | | |
| Salt Sand | | 1062 | 1509 | Water | | | |
| Slt & Lm. Shells | | 1509 | 1575 | 1148 | | | |
| Little Lime | | 1575 | 1605 | hole | | | |
| Pencil Cave | | 1605 | 1610 | full | | | |
| Big Lime | | 1610 | 1782 | | | | |
| Big Injun Sand | | 1782 | 1787 | Show | | | |
| Slate & Shells | | 1787 | 3400 | Oil & | | | |
| Shale | Brown | 3400 | 3475 | Gas | | | |
| Shale & Shells | Gray | 3475 | 3830 | 2044 | | | |
| Shale | Brown | 3830 | 3975 | | | | |
| Shale & Shells | Gray | 3975 | 4560 | | | | |
| Shale | Brown | 4560 | 4590 | | | | |
| Shale | Blue | 4590 | 4645 | | | | |
| Shale | Brown | 4645 | 4835 | | | | |
| Shale | Grey | 4835 | 4902 | | | | |
| Shale | Black | 4902 | 4942 | | | | |
| Corniferous Lime | | 4942 | 5050 | Show | | | |
| Oriskany Sand | | 5050 | 5083 | Gas | | | |
| Hard Lime | | 5083 | 5084 | 5061 | | | |
| TOTAL DEPTH | | | 5084 | Big Pay Gas | | | |
| | | | | 507405083 | | | |