



Company UNITED FUEL GAS CO.  
 Address CHARLESTON, W.VA.  
 Farm HORSE CREEK COAL LAND CO.  
 Tract Acres 10,300 Lease No. 3772  
 Well (Farm) No. 47 Serial No. 4625  
 Quadrangle MADISON/GRIFFITHSVILLE 7 1/2'  
 County LINCOLN  
 District DUVAL  
 Engineer G.A. Cunningham  
 Engineer's Registration No. 659  
 File No. 46-45 Drawing No. \_\_\_\_\_  
 Date APRIL 13, 1936 Scale 1" = 660

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

**WELL LOCATION MAP**  
 FILE NO. LIN - 170

+ 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.

LINCOLN 170.

Horse Creek Coal Land Co (4625)

elev. = 810'

Madison Quad.

38° 10'

15' location.

S 0.47

W 3.96

81° 50'

### Horse Creek Coal Land Company No. 4625 Well.

Duval District, Lincoln County, W. Va.

By United Fuel Gas Company.

Permit No. Lin-170.

Elevation, 810' B.

1,056 M. cu. ft. gas.

Located 0.47 mi. S. of 38° 10' and 3.96 mi. W. of 81° 50'—C—Madison

Quadrangle.

On south side of Peter Cave Fork of Horse Creek.

0.7 mi. W. of Woodville; 1.7 mi. N. W. of Laville.

	Top.	Bottom.	Thickness.	Elevation (top)
Big Lime -----	1457	1670	213	— 647
Big Injun Sand -----	1670	1710	40	— 860
Berea Sand -----	2156	2180	24	—1346
Corniferous Lime -----	4331	4337	6+	—3521

Thickness, Devonian Shales, 2151 feet.

Remarks: Completed July 24, 1936.

Total depth, 4337'.

Shot at 3700-4337'.

Salt water, 753'. Gas, 615' and 1670-71'.

Shale gas, 2900-10', 2930-40', 3060-95', 3600-05', and 4316-21'.

On 10,300 acres.

Julian-Madison (236) DEEP WELL

Duval District, Lincoln County, W. Va.

By United Fuel Gas Co., Charleston, W. Va.

On 10,300 acres. Madison Quad. 38-10; 81-50 block.

Drilled under permit Lin-170.

Elevation, 810' B.

8 $\frac{1}{2}$ " casing, 465' 4"; 6 $\frac{3}{8}$ " 1490' 7"; 3" tubing, 2177'.

Heeter hook wall packer, 3 x 6 $\frac{5}{8}$  x 16, set at 2177'.

Casing not perforated.

Coal was encountered at 32-35, 132-135, 290-292, 437-440'.

Completion reported to Dept. of Mines August 31, 1936, & Sept. 1, 1936.

Well was shot 3700-4337'.

Salt water at 753'.

Gas well; 1056 M.

Record from Miss Griffith 4-14-37.

	Top.	Bottom.	Thickness.
Surface	0	- 16	16
Sand	16	- 32	16
Coal	32	- 35	3
Slate	35	- 50	15
Sand	50	- 132	82
Coal	132	- 135	3
Sand	135	- 200	65
Slate	200	- 290	90
Coal	290	- 292	2
Sand	292	- 375	83
Slate	375	- 380	5
Lime	380	- 385	5
Sand	385	- 437	52
Coal	437	- 440	3
Slate	440	- 500	60
Sand	500	- 550	50
Slate	550	- 590	40
Lime (gas, 615')	590	- 628	38
Sand (water, 753')	628	- 1030	402
Lime	1030	- 1180	150
Slate	1180	- 1185	5
Sand	1185	- 1308	123
Slate	1308	- 1312	4
Red rock	1312	- 1328	16
Slate	1328	- 1376	48
Red rock	1376	- 1381	5
Slate	1381	- 1384	3
Maxton Sand	1384	- 1417	33
Little Lime	1417	- 1454	37
Pencil Cave	1454	- 1457	3
Lime	1457	- 1670	213
Big Injun Sand (gas, 1670-71')	1670	- 1710	40
Slate	1710	- 1714	4
Shell	1714	- 1718	4
Slate and shells	1718	- 1798	90
Shell	1798	- 1858	60
Slate	1858	- 2079	221
Slate and shells	2079	- 2139	60
Brown shale	2139	- 2156	17
Berea Sand	2156	- 2180	24
Slate	2180	- 2188	8
Lime shell (SLM)	2188	- 2208	20

(OVER)

## HORSE CREEK COAL LAND CO. NO. 4625 WELL (Continued).

	Top.	Bottom.	Thickness.
Slate	2208	- 2249	41
Lime shell (SLM)	2249	- 2279	30
Black slate	2279	- 2288	11
Lime shell	2288	- 2300	12
White slate	2300	- 2395	95
Lime shell	2395	- 2495	100
White slate	2495	- 2640	145
Black slate	2640	- 2839	199
Lime shell	2839	- 2860	21
Black slate	2860	- 2898	38
Lime shell (gas, 2900-10')	2898	- 2910	12
White slate	2910	- 2930	20
Lime shell (gas, 2930-40')	2930	- 2936	6
White shale	2936	- 2990	54
Lime shell	2990	- 3000	10
Slate and shells, gray (gas, 3060-95')	3000	- 3335	335
Brown shale	3335	- 3345	10
Lime shell	3345	- 3348	3
Brown shale	3348	- 3352	4
Lime shell	3352	- 3418	34
Brown shale	3418	- 3423	5
Lime	3423	- 3438	15
Brown shale	3438	- 3492	54
Slate, white	3492	- 3545	53
Brown shale (gas, 3600-05')	3545	- 3740	195
White slate	3740	- 4068	328
Brown shale	4068	- 4080	12
Gray slate	4080	- 4121	41
Brown shale	4121	- 4261	140
Black slate	4261	- 4311	50
Lime, black (gas, 4316-21')	4311	- 4331	20
Corniferous Lime, soft	4331		
Total depth (SLM)		4337	