



HORSE CREEK LAND & MINING CO.

HORSE CREEK LAND & MINING CO.

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W.VA.
 Farm HORSE CREEK LAND & MINING CO.
 Tract Acres 11,324 Lease No. 4976
 Well (Farm) No. 34 Serial No. 4698
 Elevation 820 BAROMETER
 Quadrangle MADISON *GRIFFITHSVILLE 7/2*
 County LINCOLN District DUVAL
 Engineer *J. H. Dr. Mining*
 Engineer's Registration No. 659
 File No. 44-45 Drawing No. _____
 Date SEPT. 24, 1936 Scale 1" = 200'

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

WELL LOCATION MAP
 FILE NO. LIN-195

+ 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.

Elevation 820'

Madison quad.
WC

38° 10'

15' location

S 0.82
W 1.15



81° 55'

WEST VIRGINIA GEOLOGICAL SURVEY 599

Horse Creek Land & Mining Company No. 4698 Well.

Duval District, Lincoln County, W. Va.
By United Fuel Gas Company.
Permit No. Lin-195.
Elevation, 820' L.
394 M. cu. ft. gas; R. P., 460 lbs.
Located 0.82 mi. S. of 38° 10' and 1.15 mi. W. of 81° 55'—WC—Madison
Quadrangle.
On west side of Peter Cave Fork of Horse Creek.
1.3 mi. S. W. of Alkol; 2.2 mi. N. W. of Morrisvale.

	Top.	Bottom.	Thickness.	Elevation (top)
Big Lime	1482	1681	199	— 662
Big Injun Sand	1681	1716	35	— 861
Berea Sand	2165	2193	28	—1345
Corniferous Lime	4282			—3462

Thickness, Devonian Shales, 2089 feet. Total depth, 4282'.
Remarks: Completed Dec. 4, 1936. Shot.
Salt water, 720'. Gas at 1530' (Big Lime). 116 M. gas, 2170-76'
(Berea).
Shale gas, 3335-40' and 3520' (278 M.).
On 11,324 acres.

Palermo-Mud River
(234)

Quad: Madison - W WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION

R

Permit No. Lin-195

W E L L R E C O R D

Gas Well

Company - United Fuel Gas Company
Address - Box 1256, Charleston, W. Va.
Farm - Horse Creek Land & Min.
Acres - 11,324
Location - Peter Cave Fork
Well No. - 4698. Elev. 820.
District - Duval. County- Lincoln
Surface Address - Horse Creek L. & M. Co. Charleston, W. Va.
Mineral - same
Drilling - Commenced- 9/9/36
Date Shot - 12/5/36.
Open flow - 40/10ths water in 2" 267 MCF
After shot- 394,000 Cu.Ft.
Rock Press. - 460 lbs. 48 hrs.
Oil -
Fresh Water -
Salt Water - 720 feet

CASING & TUBING
10 62'
8 1/4 428' 2"
6-5/8 1516' 9"
3 2204' 4"

PACKER
Kind - Hook Wall
Size - 3x6-5/8
Depth- 2187

Coal was encountered at 48'
48"; 225' 48"; 390' 24"

0.82 S 38° 10'
1.15 W 81° 55'

Formation	Color	Hor	Top	Bottom	Result	Formation	Color	Hor	Top	Bottom	Result
Sand			0	40							
Slate			40	48							
Coal			48	52							
Slate			52	225							
Coal			225	229							
Slate & Sand			229	390							
Coal			390	392							
Slate			392	598							
Salt Sand			598	1040							
White Lime			1040	1115							
Slate			1115	1135							
Grey Sand			1135	1317							
Blue Slate			1317	1325							
Red Rock			1325	1335							
Grey Lime			1335	1339							
Slate			1339	1390							
Red Rock			1390	1395							
Slate	Dark		1395	1407							
Lime	Light		1407	1413							
Slate	Dark		1413	1415							
Lime			1415	1418							
Slate			1418	1436							
Little Lime			1436	1476							
Pencil Cave			1476	1482							
Big Lime			1482	1681	Gas 1530						
Injun Sand			1681	1716							
Slate & Shells			1716	1808							
White Slate			1875	1995							
Slate & Shells			1995	2054							
Lime Shell			2054	2073							
Slate & Shells			2073	2153							
Brown Shale			2153	2165							
Berea Grit			2165	2193	Gas 2170-2176						
Slate	White		2193	2208							
Slate & Shells			2210	2272							
Lime White			2272	2284							
Slate			2284	3335							
Brown Shale			3335	3394	Gas 3335'-3340'						
Slate & Shells			3394	3445	Gas 3520						
Brown Shale			3445	3717							
White Slate			3717	4081							
Brown Shale			4081	4282							
C. Lime			4282								
TOTAL DEPTH			4282								

No sample

Deep Well