

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm BLACK BAND COAL & COKE CO.
 Tract _____ Acres 12,007.9 Lease No. 16715
 Well (Farm) No. 6 Serial No. 3970
 Elevation (Spirit Level) 1233.00'
 Quadrangle PEYTONA - NC
 County KANAWHA District LOUDON
 Engineer Paul E. Jauch
 Engineer's Registration No. 2529
 File No. 62-51 Drawing No. _____
 Date 3-29-61 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. KAN-1768-D

+ 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.

6-6 (219) - orig
 Samples 1775-4608' 5-0 305 Deep Well



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 DRILL DEEPER
 WELL RECORD

Quadrangle Peytona

Permit No. KAN-1768-D

Oil or Gas Well Dry Hole
 (KIND)

Company United Fuel Gas Co.
 Address P. O. Box 1273; Charleston 25, W. Va.
 Farm Black Bank Coal & Coke Co. Acres 12000
 Location (waters) Middlelick Branch
 Well No. 3970 Elev. 1233
 District Loudon County Kanawha

The surface of tract is owned in fee by _____
 Address _____

Mineral rights are owned by Frank A. Hardy, et al
Box 2468 Address Charleston 29, W. Va

Drilling commenced 4-4-61

Drilling completed 5-23-61

Date Shot _____ From _____ To _____

With _____

Open Flow _____ /10ths Water in _____ Inch

_____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock Pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

WELL ACIDIZED _____

WELL FRACTURED _____

RESULT AFTER TREATMENT _____

ROCK PRESSURE AFTER TREATMENT _____

Fresh Water _____ Feet Salt Water _____ Feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			<u>Anchor Parmaco</u>
13			Size of
10 <u>3/4</u>		<u>369</u>	<u>3 x 6-5/8 x 16</u>
8 <u>1/4 Pulled 1160'</u>		<u>None</u>	Depth set
6 <u>1/4</u>		<u>1624</u>	<u>1705'</u>
5 <u>3/16</u>			Perf. top
3 <u>1/2</u>		<u>1787</u>	Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
DRILL DEEPER							
Big Lime			1777	1855			
Red Injun			1855	1895			
Slate & Shells			1895	2284			
Brown Shale			2284	2298			
Berea Sand			2298	2305			
Slate & Shells			2305	3485			
Brown Shale	<i>Huron</i>		3485	4060			
Slate & Shells			4060	4580			
Brown Shale	<i>Richwood</i>		4580	4844			
Slate & Shells			4844	4855			
Brown Shale			4855	4920			
Corniferous Lime			4920	5013			
Oriskany Sand			5013	5032			
Grey Lime			5032	5050			
Total Depth			5050'				





STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Peytona

Permit No. Non-1768

WELL RECORD

Oil or Gas Well G

Company United Fuel Gas Company
Address P.O. Box 1273; Charleston 25, W. Va.
Farm Black Band Coal & Coke Co. Acres 12000
Location (waters) Middlelick Branch
Well No. 8 3970 Elev. 1233.0
District Loudon County Kanawha

The surface of tract is owned in fee by
Address _____

Mineral rights are owned by Frank A. Hardy, et al
Box 2468 Address Charleston, W. Va.

Drilling commenced 6-22-29
Drilling completed 8-24-29

Date Shot _____ From _____ To _____
With _____

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch

Volume 525 met (on back of record) cu. Ft.
Rock Pressure 106 lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

WELL ACIDIZED _____

WELL FRACTURED _____

RESULT AFTER TREATMENT _____

ROCK PRESSURE AFTER TREATMENT _____

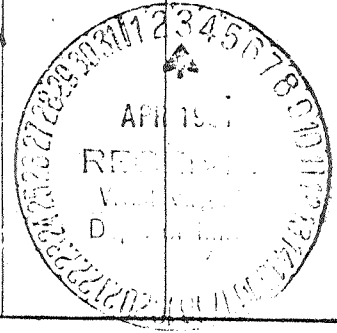
Fresh Water _____ Feet Salt Water 1020 Feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packe
13			Anchor I
10		<u>369' 8</u>	L Size of
8 3/4	<u>1160'</u>	<u>Pulled</u>	<u>\$.L. 3 3/6 5/6</u>
6 3/4		<u>1624'</u>	\$. Depth set
5 3/16			<u>1705</u>
3		<u>1787'</u>	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____

COAL WAS ENCOUNTERED AT 27 FEET 24
146 FEET 48 INCHES 264 FEET 48
294 FEET 36 INCHES _____ FEET

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	12			
Sand			12	24			
Slate			24	27			
Coal			27	29			
Slate			29	40			
Sand			49	70			
Slate			70	146			
Coal			146	150			
Slate			150	230			
Sand			230	260			
Slate			260	264			
Coal			264	268			
Slate			268	294			
Coal			294	297			
Slate			297	320			
Sand			320	345			
Slate			345	430			
Sand			430	485			
Slate			485	515			
Sand Lime			515	710			
Slate			710	805			
Salt Sand			805	1115	<u>1020 3 Bailleurs water per Hr.</u>		
Slate			1115	1150	<u>1146 ft. 8-1/4 Casing & Pulled</u>		
Sand			1150	1180			
Slate			1180	1195			
Sand			1195	1397			
Red Rock			1397	1402			
Slate			1402	1428			
Maxon Sand			1428	1472			
Red Rock			1472	1476			



(over)

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found
Slate			1476	1481		
Broken Lime			1481	1586		
Slate			1586	1593		
Big Lime			1593	1665		
Slate Brake			1665	1669		
Big Lime			1669	1777		
Total Depth			1777' S.L.			
					1787 ft Tubing	6-5/8 cas
					Gas Pay 1775-1777	
					2 1/10 W in 3"	525 M R.P.

Date March 30

APPROVED UNITED FUEL GAS COMPANY

By S. R. Ferrell
(Title)

Supt., Civil Engineering Dep