

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm NIGHTBERT LAND CO.
 Tract _____ Acres 3025 Lease No. 26481
 Well (Farm) No. 9 Serial No. 8204
 Elevation (Spirit Level) 1333.93'
 Quadrangle NAUGATUCK - SC
 County MINGO District HARDEE
 Engineer Seybert R. Ferrell
 Engineer's Registration No. 2529
 File No. 22-21 Drawing No. _____
 Date 3-8-54 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. MIN-407

+ 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.

Samples will be 3-3 Very Deep Well Shot



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 7

Quadrangle Naugatuck

WELL RECORD

Permit No. MIN-407

Oil or Gas Well Gas
(KIND)

Company UNITED FUEL GAS CO.
Address P.O. Box 1273, Charleston 25, W. Va.
Farm Nighbert Land Co., #9 Acres 3025
Location (waters) Pigeon Creek
Well No. 8204 Elev. 1333.93'
District Hardee County Mingo
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by Nighbert Land Co.
Box 1240 Address Huntington, W. Va.
Drilling commenced 6-7-54
Drilling completed 9-9-54
Date Shot 9-13-54 From 3005 To 3822
With 5466-2/3# DuPont Gelatin
Open Flow 26/10ths Water in 1 Inch
_____/10ths Merc. in _____ Inch
Volume 54,000 Cu. Ft.
Rock Pressure 257 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

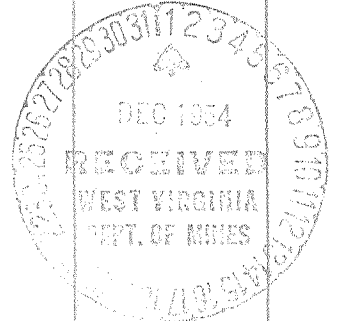
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
18			
10		885'	Size of
8 5/8"		1808'	
8 1/2"		2168'	Depth set
5 3/16			
8			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT 440 FEET 48 INCHES

FEET INCHES FEET INCHES

FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface			0	8	Show gas	2057'	
Sand			8	140	Show gas	2466'	4/10 W 1" 21 M
Slate			140	200	Small show gas	2990'	
Sand			200	230			
Slate			230	290	Test before shot	4/10 W 1" 21 M	
Sand			290	320	Shot	9-13-54 with 5466-2/3# DuPont Gelatin from 3005-3822'	
Slate			320	360	Test 1 hr. after shot	12/10 W 2" 146 M	
Sand			360	440	Test 19 hrs. after shot	26/10 W 1" 54M	
Coal			440	444			
Slate			444	450			
Sand			450	515	12' cavings after shot		
Slate			515	645			
Sand			645	700			
Slate			700	1160	FINAL OPEN FLOW-54 M Sl. & Shls. 21 M		
Sand			1160	1215	48 Hr. R.P. 257#	Br. Shale 33 M	
Slate			1215	1405		54 M	
Salt Sand			1405	1600			
Slate			1600	1625			
Sand			1625	1635	Shut in	9-14-54 in 7" Casing	
Slate & Shells			1635	1700			
Sand			1700	1800			
Slate			1800	1835			
Broken Sand			1835	1860			
Red Rock			1860	1925			
Slate			1925	1935			
Sand			1935	1960			
Slate			1960	1965			
Red Rock			1965	1985			
Slate			1985	1995			
Sand			1995	2074			
Red Rock			2074	2093			
Slate			2093	2118			
Little Line			2118	2148			
Pencil Cave			2148	2151			
Big Line			2151	2345			
Keener Sand			2345	2353			
Injun			2353	2378			
Injun & Shells			2378	2862			
Coffee Shale			2862	2892			



(Over)

Formation	Color	Hard or Soft	Top 7	Bottom	Oil, Gas or Water	Depth Found	Remarks
Berea Sand			2892	2964			
Brown Shale			2964	3063			
White Slate			3063	3338			
Brown Shale			3338	3418			
White Slate			3418	3525			
Brown Shale			3525	3812			
White Slate			3812	3822			
Total depth			3822'				

Date November 30, 19 54

APPROVED UNITED FUEL GAS CO. Owner

By J. R. Farrell
(Title)



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

GAS
BY
Gas
(KIND)

Quadrangle Naugatuck
Permit No. MIN-407-D

Oil or Gas Well Gas
(KIND)

Company United Fuel Gas Company
Address P.O. Box 1273; Charleston 25, W. Va.
Farm Nighbert Land Co. #9 Acres 3025
Location (waters) Pigeon Creek
Well No. 8204-T Elev. 1333.93
District Hardee County Mingo
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by Nighbert Land Co.
1122 1st Huntington Address Huntington, W. Va.
Nat'l. Bank
Drilling commenced 7-7-59
Drilling completed 8-28-59
Date Shot 9-3-59 From _____ To _____
With 500# Dup. Gel.
Open Flow 10 /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume 33,000 Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer _____
16.			Size of _____
13			Depth set _____
10			Perf. top _____
8 3/4			Perf. bottom _____
6 3/4			Perf. top _____
5 3/16			Perf. bottom _____
3			
2			
Liners Used			

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT _____

ROCK PRESSURE AFTER TREATMENT _____

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Started Drilling at			3822'		Show of Gas at 4245'		
White Slate			3822	4110	Gas at 5242' - 5248' - 10/10 W 1" - 33 MCF		
Brown Shale			4110	4200	Test at 5239' - 6/10 W 1" 26 MCF		
Corniferous Lime			4200	4814	Test at 5248' - 10/10 W 1" 33 MCF		
Big Sig Sand (Keeler)			4814	4864	Test at 5279' - 8/10 W 1" 30 MCF		
Rose Hill Shale			4864	5206			
Clinton Sand white Madras			5206	5249			
Lime			5249	5279			
Total Depth			5279'				
				5220 1334 3886			
							4200 1334 2866
							2892 1334 1558

(over)

5155-94
5224-42

Dr. Well

Shot ✓

McD

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648

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