

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm UNITED FUEL GAS CO. MIN.
 Tract 1 Acres 23,069.33 REF. 24689
 Well (Farm) No. _____ Serial No. 8193
 Elevation (Spirit Level) 1037.56'
 Quadrangle HOLDEN - NC
 County LOGAN District CHAPMANSVILLE
 Engineer Jayker R. Howell
 Engineer's Registration No. 2529
 File No. 34-33 Drawing No. _____
 Date 9-17-56 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. LOG-588

+ 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.

6-6 245

Deep Well



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Holden

WELL RECORD

Permit No. LOG-588-D

DRILLED DEEPER

Oil or Gas Well Gas
(KIND)

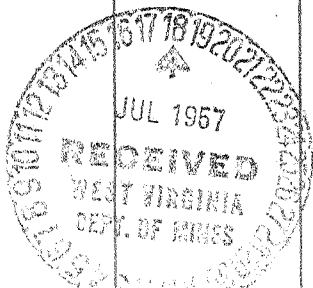
Company United Fuel Gas Co.
Address P.O. Box 1273; Charleston 25, W. Va.
Farm United Fuel Gas Co. Min. Tr. #1 Acres 23,469.33
Location (waters) Piney Fork
Well No. 8193 Elev. 1037.56
District Chapmansville County Logan
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by United Fuel Gas Co.
Address Charleston, W. Va.
Drilling commenced March 25, 1957
Drilling completed May 26, 1957
Date Shot 5-28-57 From 2580 To 4108
With 10,700# Gelatin
Open Flow 20/10ths Water in 2 Inch
2 /10ths Merc. in _____ Inch
Volume 189,000 Cu. Ft.
Rock Pressure 172 lbs. 5 Day hrs.
320 lbs. 5 Day 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			
18			Kind of Packer
18			Hookwall
xxxx 2 1/4 7"		1616'	Size of
8 5/8			3" x 7"
6 5/8			Depth set
5 3/16			1972'
3 1/2		3736'	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

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

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES
_____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			1131	1165	Show gas & oil	1674-1677'	
Slate & Shells			1165	1200	Gas	1677' 2/10 W 1" 15 M	
Sand			1200	1363			
Slate & Shells			1363	1378	Show gas	1780' not enough to gauge	
Red Rock			1378	1385	Show gas	2590+2600'	
Gray Sand			1385	1412	Gas	2600-2620' 2/10 W 1" 15 M	
Red Rock			1412	1458	Gas	3045-3060' 4/10 W 1" 21 M	
Slate & Shells			1458	1482	Gas	3185-3210' 10/10 W 1" 33 M	
Red Rock			1482	1490	Gas	3337-3368' 16/10 W 1" 42 M	
Slate & Shells			1490	1508	Gas	3630-3700' 12/10 W 1" 37 M	
Maxon Sand			1508	1559	Gas	3895-3905' 16/10 W 1" 42 M	
Slate			1559	1568	Gas	3980-4025' 12/10 W 1" 37 M	
Little Lime			1568	1589	Gas	4025-4060' 12/10 W 1" 37 M	
Big Lime			1589	1600	Gas	4060-4090' 12/10 W 1" 37 M	
Slate			1600	1602			
Big Lime			1602	1780	Test before shot	12/10 W 1" 37 M	
Red Injun			1780	1830	Shot 5-28-57 with 10,700# Gelatin from	2580-4108'	
Slate & Shells			1830	1870	Test 1 hour after shot	22/10 Merc. 2" 730 M	
Shells			1870	1958	Test 18 hrs after shot	20/10 W 2" 189 M	
Hard Shells			1958	2014			
Slate & Shells			2014	2345			
Brown Shale			2345	2359			
Berea Sand			2359	2370	FINAL OPEN FLOW - 189 M-Br. Shale		
Slate & Shells			2370	3345	5 Day R.P. 172# casing		
Brown Shale			3345	3625	5 Day R.P. 320# tubing		
Slate & Shells			3625	3910			
Brown Shale			3910	4088	Shut in 6-13-57 in 3 1/2" tubing.		
Corniferous			4088	4108			
Total Depth			4108'	SLM			



Permit No. - Logan-588

(Over)

4088
1038
- 2050



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Holden

Permit No. LOG-588

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company United Fuel Gas Company
Address P. O. Box 1273; Charleston 25, W. Va.
Farm United Fuel Gas Co. Min.Tr.#1 Acres 23,469.33
Location (waters) Piney Fork
Well No. 8193 Elev. 1037.56
District Chapmansville County Logan
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by United Fuel Gas Co.
Address Charleston, W. Va.
Drilling commenced 11-13-56
Drilling completed 12- 3-56
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
12 /10ths Merc. in 3 Inch
Volume 1,212,000 Cu. Ft.
Rock Pressure 295 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet
Salt water 1075' feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
18			<u>Larkin Hookwall</u>
10 3/4		<u>16'</u>	Size of
8 5/8		<u>600</u>	<u>3 1/2" x 7" x 16"</u>
6 5/8			Depth set
5 3/16			<u>1032'</u>
3 1/2		<u>1085</u>	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			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 Found	Remarks
Surface			0	14	Hole full water	1075'	
Sand			14	19			
Slate			19	40	Gas	1131-1135'	6/10 W 8-5/8" 224#
Sand			40	147	1,684 M		
Slate			147	175			
Sand			175	230			
Slate			230	281	NOT SHOT		
Sand			281	310			
Slate			310	360	Test after tubed	12/10 Merc. 3#	
Shell			360	400	1,212 M		
Slate			400	420			
Sand			420	482	FINAL OPEN FLOW -	1,212 M - Salt Sand	
Slate			482	545	48 Hr. R.P. 295#		
Sand			545	585			
Slate & Shells			585	840			
Salt Sand - 282			840	1040	Shut in	12-6-56 in 3 1/2" tubing.	
Slate			1040	1067			
Salt Sand			1067	1110			
Slate } 283			1110	1120			
Sand			1120	1131			
Total Depth			1131'				

