

New Location
 Drill Deeper
 Abandonment

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm UNITED FUEL GAS CO. FEE
 Tract 4 Acres 1113.51 Lease No. NO REF.
 Well (Farm) No. _____ Serial No. 8508
 Elevation (Spirit Level) 1054.89'
 Quadrangle HOLDEN - C
 County MINGO District HARVEY
 Engineer Hubert R. Howell
 Engineer's Registration No. 2529
 File No. 32-25 Drawing No. _____
 Date 3-13-57 Scale 1" = 800'

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

WELL LOCATION MAP
 FILE NO. MIN-528

+ 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.

6-6 278 Deep Well —



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Holden

WELL RECORD

Permit No. MIN-528

Oil or Gas Well Gas
(KIND)

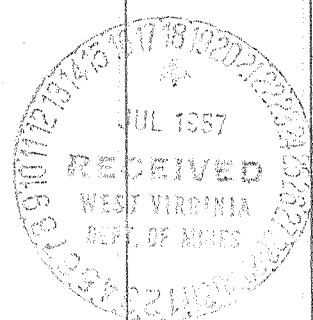
Company United Fuel Gas Co.
Address P. O. Box 1273; Charleston 25, W. Va.
Farm United Fuel Gas Co. Fee Tr. #4 Acres 11,113.51
Location (waters) Laurel Fork
Well No. 8508 Elev. 1054.89
District Harvey County Mingo
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by United Fuel Gas Co.
Address Charleston, W. Va.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13 3/8		39	
10			Size of
9 5/8		290	
7 5/8		1945	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Drilling commenced 3-24-57
Drilling completed 5-10-57
Date Shot 5-10-57 From 3600 To 4386
With 5,466-2/3# Gelatin
Open Flow 76 /10ths Water in _____ Inch
2 /10ths Merc. in _____ Inch
Volume 1,356,000 Cu. Ft.
Rock Pressure 450 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water _____ feet
Salt water _____ feet

CASING CEMENTED	SIZE	No. Ft.	Date
COAL WAS ENCOUNTERED AT <u>286</u> FEET <u>36</u> INCHES			
	<u>365</u> FEET	<u>70</u> INCHES	<u>450</u> FEET <u>36</u> INCHES
	<u>505</u> FEET	<u>24</u> INCHES	<u>845</u> FEET <u>24</u> INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Surface			0	88	Show gas	2092'	not enough to gauge
Sand			88	97			
Shale			97	127	Gas	3160'	7/10 W 1" 28 M
Sand			127	195			
Shale			195	230	Gas	3642'	80/10 Merc. 2" 1,391 M
Sand & Shale			230	286			
Coal			286	289	Test before shot	62/10 Merc. 2"	1,225 M
Sand			289	320	Shot 5-10-57 with	5,466-2/3# Gelatin	
Shale			320	365	from	3600-4386'	
Coal			365	370	Test 1 hour after shot	11/10 W 7" 20#	
Sand & Shale			370	450		1,455 M	
Coal			450	453	Test 44 hours after shot	76/10 Merc. 2"	
Sand & Shale			453	505		1,356 M	
Coal			505	507			
Sand & Shale			507	605			
Lime			605	615	FINAL OPEN FLOW -	1,356 M - Br. Shale	
Lime & Shale			615	705	48 Hr. R.P.	450#.	
Sand & Shale			705	845			
Coal			845	847			
Sand & Shale			847	1075	Shut in 5-12-57 in	7" casing.	
Salt Sand			1075	1207			
Sand & Lime			1207	1235			
Sand & Shale			1235	1260	Permit No. -	Mingo 528	
Sand			1260	1275			
Shale			1275	1290			
Sand & Shale			1290	1302			
Salt Sand			1302	1465			
Lime & Shale			1465	1480			
White Sand			1480	1510			
Coal & Slate			1510	1512			
Sand			1512	1530			
Shale			1530	1560			
Sand			1560	1570			
Shale			1570	1590			
Sandy Shale			1590	1615			
Sand			1615	1640			
Sand & Shale			1640	1655			
Sand & Lime			1655	1670			



(Over)

Formation	Color	Hard or Soft	Top 7	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			1670	1805			
Shale & Red Rock			1805	1838			
Sand & Shale			1838	1862			
Maxon Sand			1862	1873			
Shale			1873	1890			
Sand & Shale			1890	1895			
Little Lime			1895	1936			
Lime & Shale			1936	1940			
Big Lime			1940	2140			
Shale			2140	2210			
Lime & Shale			2210	2420			
Shale			2420	2550			
Lime & Shale			2550	2700			
Brown Shale			2700	2729			
Berea Sand			2729	2760			
Shale			2760	3000			
Slate & Shells			3000	3630			
Brown Shale			3630	3637			
Grey Shale			3637	3665		2729	
Brown Shale			3665	3675		1055	
Grey Shale			3675	3685		1674	
Brown Shale			3685	3690			
Grey Shale			3690	3715			
Slate & Shells			3715	3940			
Brown Shale			3940	4382			
Corniferous			4382	4386			
Total Depth			4386'			4382	
						1055	
						<u> </u>	
						3327	

70-1770
1698 - 2210

461

Date July 12, 19 57

APPROVED UNITED FUEL GAS COMPANY, Owner

By S.R. Ferrell
Supt., Civil Engineering Department