

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm UNITED FUEL GAS CO. FEE
 Tract 4 Acres 464.13 Lease No. NO REF.
 Well (Farm) No. _____ Serial No. 8430
 Elevation (Spirit Level) 952.74'
 Quadrangle HOLDEN NC
 County LOGAN District CHAPMANSVILLE
 Engineer Seymour R. Jewell
 Engineer's Registration No. 2529
 File No. 34-31 Drawing No. _____
 Date 12-20-56 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. LOG-615

+ 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



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 13

Quadrangle Holden

Permit No. LOG-615

WELL RECORD

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 464.13
Location (waters) Buck Fork
Well No. 8430 Elev. 952.74
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 5-4-57
Drilling completed 8-7-57
Date Shot _____ From _____ To _____
With _____

Open Flow _____ /10ths Water in _____ Inch
11 /10ths Merc. in 7 Inch
Volume 5,367,000 Cu. Ft.

Rock Pressure 326 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED NOT ACIDIZED

WELL FRACTURED _____

RESULT AFTER TREATMENT _____

ROCK PRESSURE AFTER TREATMENT _____

Fresh Water 60 Feet Salt Water 720 Feet

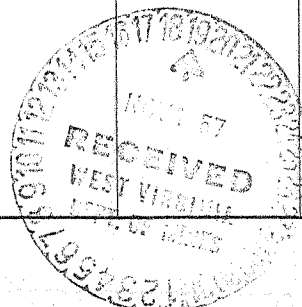
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16 Conductor		7'	Kind of Packer _____
13			Hook Wall _____
10			Size of _____
8x 5/8		452	3 1/2" x 7" x 16"
7 5/8		1460	Depth set _____
5 3/16			1842'
3 1/2		3061	Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

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

COAL WAS ENCOUNTERED AT 30 FEET 36 INCHES
410 FEET 36 INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	10	Hole full water	60'	
Slate			10	30			
Coal			30	33	Settling Sand	720'	
Slate			33	178			
Sand			178	230	Hole full water	720'	
Slate			230	390			
Sand			390	410	Big Lime gas	1641-1655'	8/10 W 1" 33 M
Coal			410	413	blew down to	6/10 W 1" 26 M	
Slate			413	460			
Sand			460	480	Gas	2750-2760'	10/10 W 1" 33 M
Slate			480	580			
Broken Sand			580	700	Gas	3000'	20/10 W 1" 47 M
Salt Sand			700	830			
Slate			830	850	Gas	3065'	11/10 Merc. 7" 20# 5,367 M - 7
Slate & Shells			850	950	hour test		
Sand			950	1075			
Slate			1075	1085			
Sand			1085	1185			
Slate			1185	1195			
Lime			1195	1215			
Slate			1215	1221			
Sand & Lime			1221	1270			
Red Rock			1270	1285			
Slate			1285	1320			
Red Rock			1320	1330			
Slate			1330	1350			
Sand			1350	1380			
Slate			1380	1383			
Little Lime			1383	1421			

(over)



1350 - 1066

Formation	Color	Hard or Soft	Top / 3	Bottom	Oil, Gas or Water	Depth Found	Remarks
Pencil Cave			1421	1425			
Big Lime			1425	1660			
Red Injun			1660	1690			
Shell			1690	1715			
Slate & Shells			1715	1800			
Shell			1800	1870			
Slate & Shells			1870	2178			
Brown Shale			2178	2193			
Berea Grit			2193	2200			
Shell			2200	2244			
Slate & Shells			2244	3065			
Total Depth			3065'				

Date November 14, 19 57

APPROVED UNITED FUEL GAS COMPANY, Owner

By *J. P. Farrell*
(Title)

Supt., Civil Engineering Department