

New Location
 Drill Deeper
 Abandonment

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm BLUE CREEK COAL & LAND CO.
 Tract _____ Acres 26688 Lease No. 4881
 Well (Farm) No. _____ Serial No. 644
 Elevation (Spirit Level) 1246.30'
 Quadrangle GLENDENIN
 County KANAWHA District BIG SANDY
 Engineer Seybert R. Howell
 Engineer's Registration No. 2529
 File No. 76-63 Drawing No. _____
 Date 10-8-58 Scale 1" = 660'

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

WELL LOCATION MAP
 FILE NO. KAN-1274-A

+ 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.

7-6-220



2040

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Clendenin

WELL RECORD

Permit No. - 124A

Oil or Gas Well Gas
(KIND)

Company United Fuel Gas Co.
 Address P. O. Box 1273; Charleston 25, W. Va.
 Farm Blue Creek Coal & Land Co. Acres 2,080
 Location (waters) Leatherwood Creek
 Well No. 644 Elev. 1246.30
 District Big Sandy County Kanawha
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by Union Carbide Chemicals Co.
1106 Security Bldg. Address Charleston, W. Va.
 Drilling commenced June 22 1914
 Drilling completed Aug. 12 1914
 Date Shot _____ From _____ To _____
 With _____
 Open Flow _____ /10ths Water in _____ Inch
 _____ /10ths Merc. in _____ Inch
 Volume 3,792,000 Cu. Ft.
 Rock Pressure 490 lbs. 48 hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED _____
 WELL FRACTURED _____

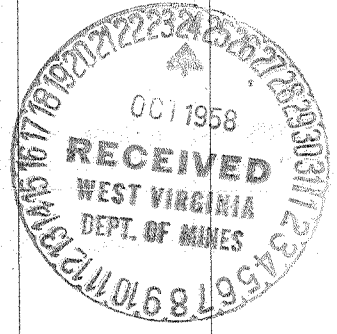
Casing and Tubing	Used in Drilling	Left in Well	Packers
Conductor		16'	
Size			Kind of Packer
16			<u>Larkin</u>
13			Size of
10			<u>3 x 6-5/8 x 16</u>
8 1/4		1748	Depth set
6 5/8		1945	<u>185.6</u>
5 3/16			Perf. top
3		2249. 6"	Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

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

COAL WAS ENCOUNTERED AT 415 FEET 36 INCHES
505 FEET 70 INCHES 670 FEET 84 INCHES
1000 FEET 48 INCHES FEET INCHES

RESULT AFTER TREATMENT _____
 ROCK PRESSURE AFTER TREATMENT _____
 Fresh Water _____ Feet Salt Water 1300, 1360, 1585 Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Conductor			0	16			
Red Rock				150			
Sand			150	210			
Slate			210	340			
Sand			340	415			
Coal			415	418			
Slate			418	460			
Sand			460	505			
Coal			505	510			
Sand			510	565			
Lime			565	650			
Sand			650	670			
Coal			670	677			
Lime			677	750			
Sand			750	775			
Slate			775	795			
Lime			795	950			
Slate			950	970			
Lime			970	1000			
Coal			1000	1004			
Slate			1004	1015			
Sand			1015	1065			
Slate			1065	1120			
Lime			1120	1180			
Slate			1180	1200			
Lime			1200	1230			
Salt Sand			1230	1710			
Slate			1710	1715			
Red Rock			1715	1750			



Salt Sand Broken 1370 to 1380
Water 1300
Water 1360
Water Hole full 1585

(over) JUL 25 1959

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Line			1750	1770			
Red Rock			1770	1805			
Line			1805	1815			
Maxon Sand			1815	1830			
Slate			1830	1845			
Little Line			1845	1880			
Broken			1880	1905	Gas 2103,	2174, 2240	
Big Line			1905	2078			
Red Rock			2078	2083			
Big Injun			2083	2243			
Total Depth				2243'			
							Steel Line Measurements at 1733', 1925' 2174'
							Superintendent Record shows collar on bottom of 6-5/8" casing.

Date October 23, 19 58

APPROVED UNITED FUEL GAS COMPANY, Owner

By *S. R. Ferrell*
(Title)

Sup., Civil Engineering Dept.