

Operator: United Fuel Gas Company
 Farm: The Pittston Company
 Well No.: 9589
 Elevation: 1283.91' Ground
 Location: Dickenson County
 Quadrangle: Haysi

3550' S of 37°15'
 3450' W of 82°17'30"

Total Depth: 4109'

Remarks: Location and elevation of well indicate well spudded about 20' below the Hagy coal, 90 above the Splash Dam coal, 185' above the Upper Banner coal, 245' above the Lower Banner coal, and 420' above the Kennedy coal. Referred to: coal geology on Russell Fork, measured sections 322, 325, 326, 327; and cores 118 and 119. Formational boundaries determined from geophysical well logs by Marshall S. Miller, February, 1971-72. (Intervals 1840-1900 and 2460-2560 were observed by microscope.) Depths are recorded 8' feet deep.

<u>Formation</u>	<u>Top</u>	<u>Bottom</u>	<u>Thickness</u>
Pennsylvanian System			
Post Lee Formation	0	526	526'
approximate depths		Hagy coal horizon at -20' Splash Dam coal horizon at 90' (Driller notes coal at 112-115') Upper Banner coal horizon at 185' Lower Banner coal horizon at 245' Kennedy coal horizon at 420'	
Lee Formation	526	1860	1334'
		Jawbone coal horizon at 760' War Creek coal horizon at 1420'	
Upper Member 526-591		quartzose sand 526-591	65'
Middle Member 940-1303		quartzose sand 940- 986 quartzose sand 1025-1093 quartzose sand 1189-1220 quartzose sand 1222-1305	46' 68' 31' 83'

Lower Member
1570-1860

quartzose sand 1570-1582	12'
quartzose sand 1590-1615	25'
quartzose sand 1636-1696	60'
quartzose sand 1748-1815	67'
quartzose sand 1819-1860	41'
total quartzose sand	498'

Mississippian System

Bluestone Formation	1861	2225	364'
Pride Shale	1982	2225	243'
Princeton Sand	2225?	2320	95'
Little Stone Gap Member	2320	2335	15'
Maxon Sandstone	2450	2494	44'
Greenbrier Limestone	2861	3408	547'
MacCrady	3408		

31
3408
1284

2124

2853
2312
541

Geologic log supplement prepared by Marshall S. Miller, May, 1972.

1840-1861	21'	Sandstone, white, quartzose, conglomeratic, over 95% quartz
1861-1880	19'	Shale, light gray to pastel green, with lesser amounts of red shale, silty, calcareous
1880-1890	10'	No samples
1890-1930	40'	Siltstone, light tan to light gray, siliceous, with gray shale interbeds, interval is generally calcareous
1930-1940	10'	Shale, gray, green, and red, silty, calcareous
1940-1950	10'	No samples
1950-1960	10'	Siltstone, gray, to dark gray, slightly calcareous, micaceous
1960-1980	20'	Shale, red, green, and gray, silty, and calcareous
1980-2020	40'	No samples
2020-2040	20'	Shale, dark gray to black, locally carbonaceous, scattered micas, locally silty
2040-2070	30'	No samples
2070-2080	10'	Siltstone, light gray, siliceous, with lesser amounts of gray shale as in 2020-2040
2080-2090	10'	Shale, dark gray to black, carbonaceous, slightly calcareous
2090-2100	10'	No samples
2100-2110	10'	Shale, as in 2080-2090
2110-2130	20'	No samples

2130-2140	10'	Siltstone, light gray, coarse grained, siliceous with dark gray shale, about 60% siltstone, 40% shale
2140-2150	10'	No samples
2150-2160	10'	As in 2130-2140, about 50% shale, 50% siltstone
2160-2260	100'	No samples
2260-2270	10'	Siltstone, red, green, gray, argillaceous and calcareous
2270-2280	10'	No samples
2280-2290	10'	Shale, red, calcareous, silty
2290-2320	30'	Siltstone, light gray to white, siliceous, with shaly contamination
2320-2335	15'	Siltstone, gray to dark gray, argillaceous, highly calcareous, with fragments of limestone (Little Stone Gap Member)
2335-2340	5'	Siltstone, red, argillaceous, calcareous
2340-2390	50'	Shale, red, green, and gray, silty, calcareous
2390-2400	10'	Siltstone, light greenish gray, coarse grained, siliceous, calcareous
2400-2450	50'	Shale, gray to greenish gray, calcareous, silty
2450-2490	40'	Sandstone, light gray to white, very fine to medium -grained, subround to subangular, silty
2490-2550	60'	Siltstone, gray to light gray, coarse grained, argillaceous to siliceous, and generally calcareous
2550		Shale, red, green, gray, calcareous, silty

1279

UF Gas Well

T.	R.

9589

COMPANY

Dickenson

NO.

COMMENCED

COMPLETED 6R LOG

ELEVATION

1283.9

REMARKS Elev. 1283.9

PRODUCTION

Below Gladeville ss
Dersheimer coal
Western coal

FORM 187 - For Sale by Ross-Martin Co., Tulsa

