



New Location...
 Drill Deeper..... 4570
 Abandonment.....

Company Equitable Gas Co. W.Va. Div.
 Address Clarksburg W.Va.
 Farm Zane Underwood.
 Tract _____ Acres 116 Lease No. 3102
 Well (Farm) No. 3 Serial No. 4570
 Elevation (Spirit Level) 781' VA.
 Quadrangle West Union - N.E. 4 1/3
 County Tyler District McElroy
 Engineer James D. Jeffries
 Engineer's Registration No. 1084
 File No. 176/123 Drawing No. _____
 Date 7-15-53 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. JYL-224-D

+ 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.

ZANE UNDERWOOD NO. 3 WELL.

McElroy District, Tyler County, W. Va.

By Equitable Gas Co., W. Va. Division, Clarksburg, W. Va.

Located 2.47 mi. W. of 80° 45' and 0.60 mi. S. of 39° 25' - EC - West Union
Quadrangle.

Elevation, 781' V. A.

Permit Tyl-224-D.

Sample record from Flowers Dec. 27, 1954.

Top. Bottom. Thickness.

1942 - 2000	58	Siltstone, medium to medium dark gray, and shale, dark-gray mostly shale in the lower part; some dark yellowish brown, highly sideritic siltstone and shale
2000 - 2026	26	Siltstone, medium to medium dark gray, coarse silt to very fine sand, micaceous, some dark-gray shale
2026 - 2061	35	Siltstone, medium dark gray, and shale, dark-gray, micaceous
2061 - 2104	43	Siltstone to sandstone (very fine grained), light- to medium gray
2104 - 2111	7	Siltstone, medium to medium dark gray, and shale, dark-gray
2111 - 2121	10	Siltstone, light- to medium-gray
2121 - 2150	29	Siltstone (coarse) to sandstone (very fine grained), medium light gray, some dark-gray siltstone at the bottom
2150 - 2161	11	Shale, dark-gray, silty; some siltstone, medium-gray
2161 - 2195	34	Shale and siltstone, medium- to dark-gray
2195 - 2217	22	Siltstone, medium light to medium dark gray; some dark-gray shale; a very small amount of dark yellowish brown, sideritic shale
2217 - 2235	18	Shale, dark-gray
2235 - 2255	20	Shale, dark-gray to grayish-black; trace of sideritic (dark yellowish brown) shale
2255 - 2263	8	Shale, grayish-black, somewhat fossiliferous; shale, dark-gray; some brownish-gray to medium-gray, very fine grained, silty sandstone with some fine grains (Berea?)
2263 - 2287	24	Shale, medium dark gray, some dark yellowish brown (sideritic)
2287 - 2294	7	Same as interval preceding to above interval
2294 - 2313	19	Shale, medium dark gray to dark-gray with medium to medium dark gray siltstone in the lower part
2313 - 2332	19	Siltstone, medium to medium dark gray with greenish cast; some medium dark to dark-gray shale
2332 - 2348	16	Shale, dark-gray to medium dark gray; some medium dark gray to dark greenish gray siltstone
2348 - 2361	13	Shale, medium dark gray, some brownish-gray, some medium dark to dark-gray; a large amount of siltstone, medium to medium dark gray (with greenish cast)
2361 - 2370	9	Siltstone, medium-gray and olive-gray (top), medium-gray to greenish-gray and brownish-gray (bottom); moderate amount of medium dark gray to dark-gray shale
2370 - 2376	6	Shale, brownish-gray
2376 - 2395	19	Shale, medium dark to dark-gray, brownish-gray, some medium dark gray to dark greenish gray; large amount of medium dark gray to dark greenish gray siltstone at the bottom
2395 - 2416	21	Siltstone (coarse) to sandstone (very fine), light- to medium-gray; shale, medium dark gray to dark-gray, small amount of brownish-gray, silty
2416 - 2426	10	Shale, medium dark to dark-gray
2426 - 2465	39	Shale to siltstone, medium dark gray to dark-gray with greenish and brownish casts

(OVER)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

West Union

WELL RECORD

Permit No. TYL-224-D

Oil or Gas Well "GAS"
(KIND)

Company Equitable Gas Company-West Va Div.
Address Clarksburg, W. Va.
Farm Zane Underwood Acres 116
Location (waters) West Union N/E. 4-1-3
Well No. 4570 Elev. 781' VA
District McElroy County Tyler
The surface of tract is owned in fee by Hiarm Sweeney
Address Middleburne, W. Va.
Mineral rights are owned by Union National Bank. Agent
Address Clarksburg, W. Va.
Drilling commenced September 24, 1953
Drilling completed December 14th, 1953
Date Shot _____ From _____ To _____
With _____
Open Flow 48 /10ths Water in 1" Inch
_____ /10ths Merc. in _____ Inch
Volume 51,000 Cu. Ft.
Rock Pressure 8 lbs. 65 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			
16			Kind of Packer
13			<u>Hook Wall</u>
10			Size of <u>6-5/8" X</u>
8 1/4			<u>5-3/16"</u>
6 1/2			Depth set <u>1737'</u>
5 3/16	<u>1737'</u>	<u>1737'</u>	
3			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
Began drilling deeper at <u>1865 feet.</u>							
Big Injun	<u>Light</u>	<u>Hard</u>	<u>1750</u>	<u>1904</u>	<u>Gas</u>	<u>1888-1894'</u>	<u>70/10 Water</u>
Slate Shells	<u>Gray</u>		<u>1904</u>	<u>1929</u>			<u>1/2" Opng.</u>
Lime	<u>Gray</u>	<u>Hard</u>	<u>1929</u>	<u>1936</u>			
Slate Shells			<u>1936</u>	<u>2060</u>			
Weir Sand	<u>Gray</u>	<u>Hard</u>	<u>2060</u>	<u>2101</u>			
Slate Shells		<u>Hard</u>	<u>2101</u>	<u>2113</u>			
Weir Sand	<u>Light</u>	<u>Hard</u>	<u>2113</u>	<u>2153</u>			
Slate Shells		<u>Hard</u>	<u>2153</u>	<u>2483</u>			
Gordon Sand		<u>Hard</u>	<u>2483</u>	<u>2498</u>			
Slate Shells	<u>White</u>	<u>Soft</u>	<u>2498</u>	<u>2571</u>			
Total Depth.....				<u>2571</u>			

