



Company CARNEGIE NATURAL GAS CO.
 Address 3904 Main St. Munhall, Penna.
 Farm Leeman Maxwell
 Tract Acres 1000 Lease No. 6763
 Well (Farm) No. 24 Serial No. 885
 Elevation (Spirit Level) 1196'
 Quadrangle Halbrook, NE
 County Doddridge District West Union
 Engineer W. H. Hest Jr.
 Engineer's Registration No. 1227
 File No. Drawing No.
 Date July 20, 1965 Scale 1" = 400' = 660'

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

WELL LOCATION MAP
 FILE NO. DOD-4-FRAC-2382

+ 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Holbrook N.E.

Permit No. DOD-4-FRAC

WELL RECORD

Oil or Gas Well GAS
(KIND)

Company Carnegie Natural Gas Company
Address 3904 Main St., Munhall, Pa.
Farm Leeman Maxwell Acres 1000
Location (waters) _____
Well No. 24-885 Elev. 1110
District West Union County Doddridge
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Steel Shoe
13			Size of <u>4 1/2"</u>
10	321		Depth set <u>1914'</u>
8 1/4	939		
6 3/8	1788	1788	
5 3/16			
<u>4 1/2"</u>	1923	1914	Perf. top <u>1853</u>
2		93	Perf. bottom <u>1867</u>
Liners Used			Perf. top <u>1874</u>
			Perf. bottom <u>1878</u>

Cleaning Out commenced July 15, 1965
~~Completed~~
Cleaning Out August 19, 1965
Drilling completed _____
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume 3,700 Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED August 18, 1965

CASING CEMENTED 4 1/2" SIZE 400 No. Ft. 8/11/65 Date
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES
_____ FEET _____ INCHES

RESULT AFTER TREATMENT 1,565,000 cu.ft.
ROCK PRESSURE AFTER TREATMENT 500# - 20 hours.

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Pittsburgh Coal			388	390			
Little Dunkard			none				
Big Dunkard			945	978			
Gas Sand			1063	1088			
1st Salt Sand			1144	1209			
2nd Salt Sand			1550	1565	Gas	1556	
Maxton Sand			1565	1587	Gas	1570	
Little Lime			-1688	1712			
Pencil Cave			1712	1726			
Big Lime			-1726	1826			
Big Injun			1826	1893	gas	1890-93	
Total Depth				1930			
Plugged back to				1914'			With cement.
Run 1914' of <u>4 1/2"</u> Tubing, cemented with 40 bags of cement.							
Cleaned out to				1900'			

