



New Location X
 Drill Deeper
 Abandonment

Company CARNEGIE NATURAL GAS Co.
 Address PITTSBURGH, Pa.
 Farm J.J. JOHNSON & L.E. CAIN
 Tract _____ Acres 80 Lease No. E-13182-71
 Well (Farm) No. 1 Serial No. 1625
 Elevation (Spirit Level) 1367'
 Quadrangle LITTLETON N.E. 14.
 County WETZEL District CENTER
 Engineer D.T. BRITTON
 Engineer's Registration No. _____
 File No. _____ Drawing No. _____
 Date 9-25-45 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. WET-330

+ 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

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L R E C O R D

Permit No. Wet 330
Littleton Quad.

Gas Well
CASING & TUBING

Company	Carnegie Natural Gas Company			
Address	Hundred W. Va.	10	203'	203'
Farm	J.J. Johnson and L.E. Cain Acres 80	8 1/2	1519	1519
Location	Laurel Run	6 5/8	2074	2074
Well No.	1E 1625 Elev. 1367'	5 3/16	2303	2303
District	Center Wetzel County			
Surface	L.E. Cain Heirs			Coal at 1055'; 1160'
Mineral	L.E. Cain Heirs (See below)			
Commenced	Dec. 23, 1945			
Completed	March 4, 1946			
Date shot	Mar. 7, 1946	Depth 2400' to 2406'		
Open flow	with 15 qts. nitro-glycerin			
Volume	4/10ths 7 in 2"			
Rock Pressure	84,000 C.F.			
Fresh Water	355 lbs. -- hrs.			
Salt Water	1165' 1/2 blr.			
	2075' H.F.			

Clay Y	S	0	10	Slate Lt	S	1880	1950
Red Rock	S	10	20	Slate Dk	S	1950	1980
Lime Lt	H	20	35	Slate Lt	S	1980	2010
Slate Lt	S	35	90	Slate Dk	S	2010	2057
Red Rock	S	90	110	Sand, 2nd Lt	H	2057	2100
Slate Lt	S	110	225	Slate Lt. Dk	S	2100	2125
Red Rock	S	225	280	Sand Lt	H	2125	2140
Sand Lt	H	280	310	Slate Lt	S	2140	2243
Slate Lt	S	310	360	Snd. Maxon Lt	H	2243	2256
Lime Lt	H	360	375	Slate Dk	S	2256	2266
Slate Lt	S	375	390	Lime, L. Lt	H	2266	2275
Red Rock	S	390	405	P.C. Slate Lt	S	2275	2292
Lime Lt	H	405	450	B. Lime Lt	H	2292	2340
Red Rock	S	450	465	Break Dk	S	2340	2341
Slate Dk	S	465	500	D. Injun Lt	H	2341	2590
Lime Lt	H	500	555	Slate Lt	S	2590	2594
Red Rock	S	555	565	TOTAL DEPTH			2594
Lime Lt	H	565	630				
Sand Lt	H	630	650				
Slate Dk	S	650	780				
Sand Lt	H	780	835				
Slate Dk	S	835	850				
Lime Lt	H	850	950				
Red Rock	S	950	965				
Lime Lt	H	965	1040				
Slate Dk	S	1040	1055				
✓ Coal Bk (Mplt.)	H	1055	1060				
Lime Lt	H	1060	1140				
Slate Dk	S	1140	1160				
✓ Coal Bk	S	1160	1165				
Lime Lt	H	1165	1190				
Red Rock	S	1190	1240				
Sand Lt	M	1240	1255				
Red Rock	S	1255	1300				
Lime Lt	H	1300	1310				
Red Rock	S	1310	1350				
Slate Lt	S	1350	1450				
Slate Lt	S	1350	1450				
Red Rock	S	1450	1525				
✓ Sand Lt	H	1525	1545				
Slate Dk	S	1545	1560				
Red Rock	S	1560	1575				
Lime Lt	H	1575	1615				
Red Rock	S	1615	1623				
Slate Dk	S	1623	1670				
✓ Sand Lt	H	1670	1720				
Slate Dk	S	1720	1750				
✓ Sand Lt (S)	H	1750	1775				
Slate Dk	S	1775	1800				
✓ Sand Lt (S)	H	1800	1837				
Slate Dk	S	1837	1850				
✓ Sand Lt	H	1850	1880				

OWNERS OF SURFACE AND MINERAL RIGHTS:

Eunice Cain, 63 Linden Ave., Moundsville, W.Va.
Austin Cain, 619 Rear 16th St., Huntington W.Va.
Russell C. Cain U.S. Army
Martha & Norwood Cain, 404 1/2 Wooster Rd. Barberton, Ohio
Marguerite, Kenneth and Mary Cain, Rt. #2 Cameron, W.Va.

Pittsburgh

L. Dunkard

B. Dunkard

2292
1367
- 925



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Quadrangle Rittletown

Permit No. WET-330-R

Oil or Gas Well Gas
(KIND)

Company THE MANUFACTURERS LIGHT & HEAT COMPANY
Address 800 Union Trust Bldg., Pgh, Pa.
Farm Johnson and Cain Acres 80
Location (waters) _____
Well No. 1-4317 Elev. 1367'
District Center County Wetzel, W. Va.
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced November 19, 1954
Drilling completed May 10, 1955
Date Shot _____ From _____ To _____
With _____
Open Flow 40/10ths Water in _____ $\frac{1}{4}$ Inch
_____ /10ths Merc. in _____ Inch
Volume 3099 Cu. Ft.
Rock Pressure _____ lbs. _____ 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			Kind of Packer _____
16			
13			
10		212	Size of _____
8 1/4		1521	
7"		2128	Depth set _____
5 3/16		2348	
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

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

COAL WAS ENCOUNTERED AT 1055 FEET _____ INCHES
1174 FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Mapletown Coal			1055	1060	Run 212' of 10 3/4" Casing, SM. H40. 32.75# on Steel Shoe. Not cemented. Run 1241' of 8 5/8" Casing, SM. J55. 24# and connected it to 280' of original casing with a casing die nipple. Pumped 250 bags cement and 5 bags aquagel around the 8 5/8". No return of cement at surface. Run 2128' of 7" Casing, SM. J55. 20# on Steel Shoe. Pumped 225 bags cement and 2 bags aquagel between the 7" and 8 5/8". Good return of cement at surface. Run 2348' of 5 1/2" Casing, SM. J55. 17# on Steel Shoe set at 2332'. Pumped 200 bags cement and 2 bags aquagel between the 5 1/2" and 7" casing. Good return of cement at surface.		
Pittsburgh Coal			1174	1179			
2nd Salt Sand			2078	2118			
Maxton Sand			Not Identified				
Big Injun Sand			2370	2599			
Total Depth				2587			
5 1/2" Shoe set at				2332			

