LATITUDE 39° 52' 30"

LONGITUDE 80° 30' 00"

7.5'
2.02S
1.35W

7'5 OGIS topo location

7.5' loc 2.03 S
1.35 W

15' loc _____
(calc.) _____
_____

Company _____

Farm _____

Quad CAMERON 7 1/2'

County MARSHALL

District CAMERON

WELL LOCATION MAP

File No. 051-573

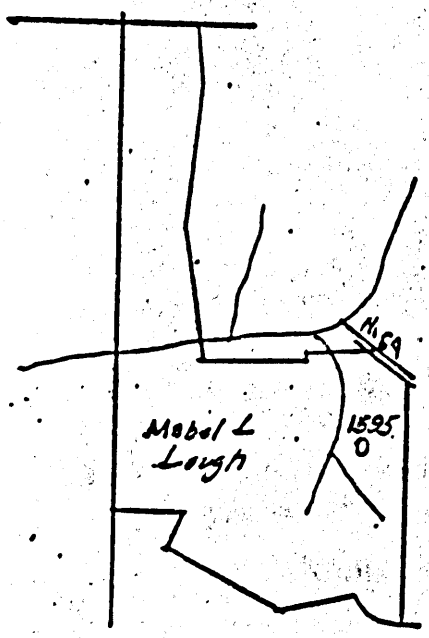
(024)

COMPANY COLUMBIA GAS TRANSMISSION CORPORATION MAP NO.

FARM Mabel L. Leigh WELL NO. 601595

DISTRICT Cameron COUNTY Marshall STATE WV

SCALE: 1" = 1320' LONG. 80°31'36" LAT. 39°50'45"



MSH-573

THE MANUFACTURERS LIGHT & HEAT CO.

Company

Division

Record of Well No. 1595 on T. R. Lough Farm Acres

Field Cameron District Township Mitchell County W. Va. State

Rig Commenced 19

Drilling Commenced May 1 1913

Completed 19

Completed 19

Contractor Frank T. Rivers Address Washington Pa

Driller Name Wm Richards, J. Burk, J. Price, J. Hogan

CASING AND TUBING RECORD

	Conductor	13"	10"	8¼"	7"	6¼"	5⅛"	4"	3"		
Used in Drlg.			205	1220		1845					
Left in Well											

PACKER RECORD

Size	Depth Set	Type Packer

SHOOTING RECORD

Date	Type Explosive	Amount	DEPTH Top	DEPTH Bottom	Volume Before Cu. Ft.	Volume After Cu. Ft.

VOLUME AND PRESSURE

Date	Reading In Inches	Liquid	Size Orifice	Volume	Sand	PRESSURE IN MIN. 1	5	10	30	60	24 Hr. R. P.	Max. R. P.	Hou

TOTAL INITIAL OPEN FLOW CUBIC FEET PER 24 HOURS

FORMATION		Top	Bottom	Thickness	REMARKS
Slate	White Soft	0	70	70	Water 40' 3 bailers
Lime	White Hard	70	200	130	Gas at 1310 ft
Sand	Gray Soft	200	250	50	Gas at 2715 ft
Lime	White Hard	250	450	200	Gas at 2155 ft
Sand	White Soft	450	487	37	
Coal	Black Soft	487	492	5	
Slate	White Soft	492	537	45	
Lime	White Hard	537	677	140	
Coal	Black Soft	677	682	5	
Lime	White Hard	682	773	91	
Coal	Black Soft	773	778	5	
Lime	White Hard	778	820	42	
Slate	Black Soft	820	843	23	
Lime	White Hard	843	883	40	
Red Rock	Red Soft	883	925	42	
Slate	White Soft	925	1085	160	
Red Rock	Red Soft	1085	1145	61	
Sand	Gray Hard	1145	1157	12	
Red Rock	Red Soft	1157	1170	13	
Sand	White Hard	1170	1230	60	
Slate	Black Soft	1230	1265	35	
Sand	White Hard	1265	1310	45	
Slate	White Soft	1310	1378	80	
Sand	Dark Hard	1378	1450	40	
Slate	White Soft	1450	1530	80	
Sand	Dark Hard	1530	1570	40	
Slate	Dark Soft	1570	1695	125	
Sand	White Hard	1695	1726	31	

Slate	Black	Soft	1540	1560	20								
Lime	White	Hard	1560	1570	10								
Slate	Black	Soft	1570	1575	5								
Lime	White	Hard	1575	1587	12								
Sand	Gray	Hard	1587	1611	24								
Slate	Black	Soft	1611	1624	13								
Lime	White	Hard	1624	1636	12								
Red Rock	Red	Soft	1636	1674	38								
Slate	White	Soft	1674	1680	6								
Lime	White	Hard	1680	1690	10								
Slate	Black	Soft	1690	1700	10								
Lime	White	Hard	1700	1711	11								
Slate	Black	Soft	1711	1730	19								
Sand	White	Hard	1730	1766	36								
Slate	White	Soft	1766	1768	2								
Sand	Dark	Hard	1768	1808	40								
Slate	White	Soft	1808	1816	8								
Sand	Dark	Hard	1816	1826	10								
Slate	Dark	Soft	1826	1840	14								
Sand	White	Hard	1840	1850	10								
Slate	Dark	Soft	1850	1860	10								
Sand	White	Hard	1860	1870	10								
Slate	Dark	Soft	1870	1880	10								
Sand	White	Hard	1880	1890	10								
Slate	Dark	Soft	1890	1900	10								
Sand	White	Hard	1900	1910	10								
Slate	Dark	Soft	1910	1920	10								
Sand	White	Hard	1920	1930	10								
Slate	Dark	Soft	1930	1940	10								
Sand	White	Hard	1940	1950	10								
Slate	Dark	Soft	1950	1960	10								
Sand	White	Hard	1960	1970	10								
Slate	Dark	Soft	1970	1980	10								
Sand	White	Hard	1980	1990	10								
Slate	Dark	Soft	1990	2000	10								
Sand	White	Hard	2000	2010	10								
Slate	Dark	Soft	2010	2020	10								
Sand	White	Hard	2020	2030	10								
Slate	Dark	Soft	2030	2040	10								
Sand	White	Hard	2040	2050	10								
Slate	Dark	Soft	2050	2060	10								
Sand	White	Hard	2060	2070	10								
Slate	Dark	Soft	2070	2080	10								
Sand	White	Hard	2080	2090	10								
Slate	Dark	Soft	2090	2100	10								
Sand	White	Hard	2100	2110	10								
Slate	Dark	Soft	2110	2120	10								
Sand	White	Hard	2120	2130	10								
Slate	Dark	Soft	2130	2140	10								
Sand	White	Hard	2140	2150	10								
Slate	Dark	Soft	2150	2160	10								
Sand	White	Hard	2160	2170	10								
Slate	Dark	Soft	2170	2180	10								
Sand	White	Hard	2180	2190	10								
Slate	Dark	Soft	2190	2200	10								
Sand	White	Hard	2200	2210	10								
Slate	Dark	Soft	2210	2220	10								
Sand	White	Hard	2220	2230	10								
Slate	Dark	Soft	2230	2240	10								
Sand	White	Hard	2240	2250	10								
Slate	Dark	Soft	2250	2260	10								
Sand	White	Hard	2260	2270	10								
Slate	Dark	Soft	2270	2280	10								
Sand	White	Hard	2280	2290	10								
Slate	Dark	Soft	2290	2300	10								
Sand	White	Hard	2300	2310	10								
Slate	Dark	Soft	2310	2320	10								
Sand	White	Hard	2320	2330	10								
Slate	Dark	Soft	2330	2340	10								
Sand	White	Hard	2340	2350	10								
Slate	Dark	Soft	2350	2360	10								
Sand	White	Hard	2360	2370	10								
Slate	Dark	Soft	2370	2380	10								
Sand	White	Hard	2380	2390	10								
Slate	Dark	Soft	2390	2400	10								
Sand	White	Hard	2400	2410	10								
Slate	Dark	Soft	2410	2420	10								
Sand	White	Hard	2420	2430	10								
Slate	Dark	Soft	2430	2440	10								
Sand	White	Hard	2440	2450	10								
Slate	Dark	Soft	2450	2460	10								
Sand	White	Hard	2460	2470	10								
Slate	Dark	Soft	2470	2480	10								
Sand	White	Hard	2480	2490	10								
Slate	Dark	Soft	2490	2500	10								
Sand	White	Hard	2500	2516	16								

Examined above information and measurements and found to be correct by

Contractor

Examined and Approved by

Field Superintendent

NOTE—The above blank must be filled out carefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the bill for drilling. All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in what sand and at what depth Oil, Gas or Water was found, the quantity of same, the quality of the sand, and thickness of par.

MSH-8

0005 2355

The Manufacturers Light and Heat Co.

Farmers Bank Building, Pittsburgh, Penna.

Driller Cameron — Farm 130 — Acres

Record of Well No. 1 — 1/4 on H. B. Sleigh — District Township Washington — County Wetzel — State W. Va.

Rig commenced April 2. 1913 1913 — Completed April 29th 1913 1913

Drilling commenced May 1. 1913 — Completed June 12. 1913

Cost per foot 1.15 — Contractor H. Sigler & J. B. Burris — Address Glenhilliard

Drillers' names S. H. Burt, S. Morgan, & Mr. Richards. J. Colvin

BOILER			ENGINE			RIG			
H. P.	No.	Name of Maker	H. P.	No.	Name of Maker	New	Old	Height	Name of Builder
						1 New		84	U. A. Gilmore

CONDUCTOR AND CASING USED IN DRILLING

Conductor	13 inch	10 inch	8¼ inch	6⅝ inch	6¼ inch	6⅛ inch	5 3-16 inch	5 inch	4 inch
16.		205	1220	1865					

CONDUCTOR AND CASING LEFT IN WELL

Conductor	13 inch	10 inch	8¼ inch	6⅝ inch	6¼ inch	6⅛ inch	5 3-16 inch	5 inch	4 inch	3 inch
16.			1220	1865					2928 2/12	

OIL WELL

When Shot	Size of Torpedo	1st Day's Production	Tubing	Rods	Tanks

GAS WELL

Size of Packer	Depth Set	Packed With	1st Minute's Pressure	Rock Press.
6⅞ x 4	2529	4"	30	240

FORMATION	Top	Bottom	Thickness	REMARKS
Waynesburg Coal,	487	492	5	Three bailers of water
Washington Coal,	680	685	5	at 40 feet.
Pittsburg Coal,	773	778	5	Gas at 2715 ft.
Murphy Sand,	843	883	40	Gas at 2788 ft.
Little Dunkard,	1144	1159	15	
Sand,	1172	1230	58	Well tubed June 17-1913
Big Dunkard,	1265	1310	45	with 4" tubing. Packed in
Sand,	1390	1450	60	1-6⅞ x 4" anchor packer set
Gas Sand,	1530	1570	40	at 2529 ft in 30 ft sand,
Salt Sand,	1695	1826	131	anchor 386.07 ft 1 ft
Little Lime,	1845	1855	10	above Packer 2541.07 + 123 =
Pencil Cave,	1855	1860	5	Total 2928.07" 14½"
Big Lime,	1860	1932	72	
Big Injun,	1932	2178	246	well shot. June 14-1913
Thirty Foot,	2516	2567	53	with 60 qts in torpedo 1st
Gordon Stray,	2777	2812	35	Increased Production from
Fourth Sand,	2812	2712	100	1/10 Water in 6⅞ hole to 10/10
Total Depth,	2912			water in 6⅛ hole.
Fifty Foot.	2714	2750	36	

MSH-573

Approved