



abd Oct. 41 2.68 W
4.65 S

New Location X
 Drill Deeper
 Abandonment

Company CARNEGIE NATURAL GAS Co.
 Address PITTSBURGH, PENNA.
 Farm THURMAN L. GODDARD ET AL
 Tract _____ Acres 15 Lease No. E-16700-77
 Well (Farm) No. 1 Serial No. 1563
 Elevation (Spirit Level) 1340
 Quadrangle LITTLETON N.W. 14
 County WETZEL District PROCTOR
 Engineer R.L. SWEENEY
 Engineer's Registration No. _____
 File No. _____ Drawing No. _____
 Date JUNE 3, 1941. Scale 1"=20 RODS

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

WELL LOCATION MAP
 FILE NO. WET-257

+ 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-257
Company
Address
Farm
Location
Well No
District
Surface
Mineral
Commenced
Completed
Flow
Volume
Rock Pressure
Fresh Water

Carnegie Natural Gas Co.
1014 Frick Bldg., Pittsburgh, Pa.
Thurman L. Goddard et al Acres 15
Br. Whetstone Creek
1-1563 Elov. 1340
Proctor ~~Wetzel County~~
Thurman L. Goddard, Bebee, W.Va.
Thurman L. Goddard et ux
June 10, 1941
August 20, 1941
16/10ths W in 2"
169,000 C.F.
550 lbs. 47 hrs.
165" 1820" 85"

Gas Well
CASING & TUBING
10 235' 235'
8 1/2 1462' 1462'
6 5/8 2194 2194'
No liners
Oil Well Bottom Packer
6-5/8" x 8 1/2"
2194'
Coal at 985' and 1073'

Clay	R	S	0	20
Lime&Sl.	Lt	H	20	75
Sand	Lt	H	75	85
Rock&Sl.	R&Lt	S	85	327
Sand	Lt	H	327	338
Rock&Sl.	Lt.Dk.R.S&H	S	338	460
Sand	Lt	H	460	468
Slate&Lime	Lt&Dk	S&H	468	683
Sand	Lt	H	683	695
Slate	Dk	S	695	702
Lime	Lt	H	702	732
Rock	Red	S	732	738
Lime	Lt	H	738	765
Slate	Dk	S	765	780
Rock & Sl.	Lt.R	H&S	780	985
Coal	Bk	S	985	987
Lime&Slate	Lt	H&S	987	1078
Pitts. Coal	Bk	S	1078	1083
Rock-Slate		S	1083	1424
Slate-Shells		S	1424	1447
L. Dunkard	Lt	H	1447	1500
Slate-Rock		H&S	1500	1590
B. Dunkard	Wh	H	1590	1605
Slate	Wh	S	1605	1643
Gas Sand	Wh	H	1643	1665
Slate	Bk	S	1665	1684
Sand	Wh	H	1684	1704
Slate	Bk	S	1704	1750
1st Salt Sd	Wh	H	1750	1827
Slate	Dk	S	1827	1880
2nd Salt Sd	Wh	H	1880	1914
Slate	Dk	S	1914	1975
Lime	Wh	H	1975	2003
3rd Salt Sd	Wh	H	2003	2023
Slate&Rock	Dk-L	H&S	2023	2132

2126-2132

Little Lime	Dk	H	2132	2141
Slate	Dk	S	2141	2149
Sand	Wh	H	2149	2166
Big Lime	Lt	H	2166	2218
Big Injun	Lt	H	2218	2480
Slate	Dk	S	2480	2595
Sandy Lime	Dk	H	2595	2610
Sl. Sand, Lime	Dk&Lt	H&S	2610	2857
Slate Shells	Dk	H	2857	2920
Rock	Red	S	2920	2941
Lime	Dk	H	2941	2952
Rock	Red	S	2952	2967
Slate	Dk	S	2967	3028
Gordon Stray	Lt	H	3028	3042
Slate	Lt	S	3042	3083
Gordon Sand	Wh	H	3083	3092
Slate	Dk	S	3092	3170
Slate Lime	Dk	S	3170	3386
TOTAL DEPTH				3386

Gas 1470' -1474' Test 30/10 W in 1" Opng.
Gas 3032' -3035' Test 16/10 W in 2" Opng.

2166
1340

Proctor District, Wetzel County, W. Va.

By Carnegie Natural Gas Co., Pittsburgh, Pa.

Located 2.68 mi. W. of 80° 40' and 4.65 mi. S. of 39° 45' - NW - Littleton
Quadrangle.

Elevation, 1340' L.

Permit Wet-257.

Drilling commenced June 10, 1941; completed Aug. 20, 1941.

Gas well; volume, 169,000 cu. ft.; rock pressure, 550 lbs. in 47 hrs.

10" casing, 235'; 8 $\frac{1}{2}$ ", 1462'; 6 $\frac{3}{8}$ ", 2194'.

Fresh water, 85', 165', 1820'.

Coal at 985' and 1078'.

Sample description by C. N. Apsouri from 0 to 1590' and by J. H. C. Martens
from 1590' to 3386'.

Record from Martens Dec. 2, 1943.

Top. Bottom. Thickness.

DUNKARD GROUP AND MONONGAHELA FORMATION, 1083 FEET

0 -	12	12	Siltstone, yellow, sandy
12 -	20	8	Shale, red, clayey
20 -	42	22	Siltstone, yellow, sandy
42 -	53	11	Siltstone, yellow, sandy, 50%; gray shale, 50%
53 -	64	11	Siltstone, yellow, sandy
64 -	75	11	Limestone, brown to light-gray, 80%; siltstone as above, 20%
75 -	105	30	Shale, red, with limy concretions
105 -	114	9	Siltstone, gray, with a little limestone
114 -	141	27	Siltstone, gray, 75%; gray shale, 25%
141 -	149	8	Limestone, light-brown
149 -	160	11	Shale, red, 50%; green shale, 50%
160 -	168	8	Shale, very light grayish green, 50%; red shale, 50%
168 -	174	6	Shale, light-gray, clayey, calcareous, 70%; red shale, 30%
174 -	224	50	Siltstone, green, sandy, 60%; shale of various colors, 40%
224 -	242	18	Shale, red
242 -	250	8	Shale, gray, 70%; red shale, 30%
250 -	290	40	Shale, red, with limy concretions
290 -	315	25	Siltstone, green, sandy
315 -	370	55	Shale, red, 50%; gray shale, 50%; a few limestone fragments
370 -	379	9	Shale, red with limy concretions
379 -	412	33	Sandstone, white, very fine, 60%; green sandy siltstone, 40%
412 -	421	9	Shale, yellow, calcareous
421 -	425	4	Siltstone, green, sandy, with small pyrite and limestone concretions
425 -	450	25	Siltstone, white to green, sandy
450 -	460	10	Shale, red, with brown limestone concretions
460 -	500	40	Shale, green, with limy concretions
500 -	521	21	Shale, red, with limy concretions
521 -	550	29	Shale, red, 65%; green shale, 35%; many limestone concretions
550 -	618	68	Shale, grayish-green
618 -	628	10	Shale, light-gray, clayey, calcareous
628 -	635	7	Shale, grayish-green
635 -	644	9	Shale, black, 60%; light-gray, clayey, calcareous shale, 40%
644 -	667	23	Shale, greenish-gray, 65%; very light brown limestone, 35%
667 -	678	11	Siltstone, grayish-green, sandy
678 -	703	25	Sandstone, white, very fine, micaceous
703 -	710	7	Shale, gray, calcareous
710 -	720	10	Limestone, light-brown, 75%; white sandy siltstone, 25%
720 -	728	8	Siltstone, white, sandy
728 -	734	6	Shale, red, with limy concretions
734 -	743	9	Shale, grayish-green, 70%; light-brown limestone, 30%

(OVER)

Top.	Bottom.	Thickness.	
743	- 750	7	Shale, red, with limy concretions
750	- 757	7	Shale, red and green, calcareous
757	- 770	13	Siltstone, green, sandy
770	- 781	11	Sandstone, white, very fine, angular, 60%; gray shale, 40%
781	- 793	12	Shale, gray to light-gray
793	- 804	11	Shale, red and gray
804	- 822	18	Shale, green, 70%; green sandy siltstone, 30%
822	- 830	8	Shale, gray, 60%; red shale, 40%
830	- 837	7	Shale, grayish-brown, 65%; gray shale, 35%
837	- 854	17	Shale, gray, 80%; brown limestone, 20%
854	- 870	16	Shale, green, 80%; green siltstone, 20%
870	- 875	5	Limestone, light-brown, 50%; green shale, 50%
875	- 883	8	Shale, green, 80%; soft dark-gray shale, 10%; limestone, 10%
883	- 890	7	Limestone, light-brown, 65%; green sandy siltstone, 25%; red shale, 10%
890	- 911	21	Shale, green, soft
911	- 924	13	Limestone, light-brown
924	- 932	8	Shale, green
932	- 938	6	Limestone, very light brown
938	- 948	10	Shale, dark-gray, 60%; green shale, 40%
948	- 960	12	Shale, green
960	- 972	12	Shale, gray
972	- 985	13	Limestone, light-brown to brown, 70%; shale of various colors, 30%
985	- 987	2	Coal (Sewickley Coal)
987	- 1025	38	Limestone, brown (Sewickley Limestone)
1025	- 1032	7	Shale, green, 60%; red shale, 10%; limestone, 30%
1032	- 1045	13	Limestone, light-brown, 70%; green siltstone, 30%
1045	- 1065	20	Limestone, nearly white, 80%; light-gray shale, 20%
1065	- 1074	9	Shale, very light gray
1074	- 1078	4	No sample
1078	- 1083	5	Coal (Pittsburgh Coal)
CONEMAUGH, ALLEGHENY, AND POTTSVILLE FORMATIONS, 978 FEET			
1083	- 1094	11	Siltstone, green, sandy
1094	- 1104	10	Shale, gray
1104	- 1114	10	Siltstone, green, sandy
1114	- 1124	10	Shale, green, with some siderite
1124	- 1151	27	Shale, red and green, with limy concretions
1151	- 1160	9	Shale, green, 50%; green siltstone, 35%; red shale, 15%
1160	- 1200	40	Shale, grayish-green
1200	- 1235	35	Shale, red, clayey, with limestone concretions
1235	- 1286	51	Shale, red, 60%; green silty shale, 40%
1286	- 1294	8	Shale, brown, red, and green, soft
1294	- 1318	24	Shale, grayish-red, calcareous, soft
1318	- 1326	8	Shale, gray to grayish-green, soft; contains limy concretions
1326	- 1342	16	Shale, light-gray, soft, calcareous
1342	- 1350	8	Shale, red, with limy concretions
1350	- 1375	25	Shale, gray, soft
1375	- 1383	8	Shale, red
1383	- 1402	19	Shale, green, silty, 75%; soft red and gray shales, 25%
1402	- 1421	19	Shale, red, soft, calcareous, 75%; dark-gray silty shale, 25%
1421	- 1443	22	Shale, red, 60%; gray siltstone and shale, 40%
1443	- 1504	61	No sample
1504	- 1514	10	Shale, dark-gray
1514	- 1535	21	Shale, gray
1535	- 1540	5	Shale, red, with limy concretions
1540	- 1550	10	Shale, green, 60%; red shale, 25%; white sandy siltstone, 15%

Top.	Bottom.	Thickness.	
1550	- 1560	10	Shale, gray
1560	- 1570	10	Sandstone, white
1570	- 1580	10	Shale, green, 65%; gray shale, 20%; red shale, 15%
1580	- 1585	5	Shale, light-gray, silty
1585	- 1590	5	Siltstone, gray, sandy
1590	- 1605	15	No sample; reported as "Big Dunkard Sand"
1605	- 1616	11	No sample; reported as slate
1616	- 1623	7	Shale, gray
1623	- 1635	12	Shale and siltstone, gray, 80%; white to light-gray fine sandstone, 20%
1635	- 1665	30	No sample; interval 1643-1665' is reported as "Gas Sand"
1665	- 1670	5	Shale and siltstone, gray, 80%; fine white sandstone, 20%; trace of coal
1670	- 1684	14	Shale and siltstone, gray, 65%; brown limestone, 35%
1684	- 1700	16	Sandstone, nearly white, medium-grained
1700	- 1710	10	Shale, dark-gray to black, silty
1710	- 1720	10	Siltstone, light-gray, micaceous, 60%; dark-gray to black shale, 35%; coal, 5%
1720	- 1730	10	Siltstone, light-gray, micaceous
1730	- 1750	20	Shale, gray and light-brown
1750	- 1827	77	No sample; "First Salt Sand" reported at 1750-1827'
1827	- 1844	17	Shale, black and gray
1844	- 1852	8	Shale, dark-gray
1852	- 1867	15	Siltstone, gray, sandy, micaceous
1867	- 1875	8	Sandstone, white, medium-grained
1875	- 1919	44	No sample
1919	- 1925	6	Shale, dark-gray
1925	- 1934	9	Siltstone, gray, shaly
1934	- 1968	34	Sandstone, white, medium-grained; a little dark shale and siltstone and traces of coal
1968	- 1975	7	Shale, dark-gray
1975	- 1990	15	Siltstone, white, sandy
1990	- 2002	12	Sandstone, white, fine
2002	- 2024	22	No sample
2024	- 2035	11	Shale, dark-gray, silty
2035	- 2045	10	Sandstone, white, fine, 50%; siltstone, very light gray, with many siderite spherulites, 50%
2045	- 2054	9	Sandstone, nearly white, very fine, with siderite spherulites
2054	- 2061	7	Siltstone, light-gray, coarse, with dark carbonaceous streaks MAUCH CHUNK GROUP, 105 FEET
2061	- 2070	9	Shale, very light green, with a few pieces of light-brown siderite
2070	- 2080	10	Shale, light-green, micaceous, 60%; light-brown to yellow siderite, 40%
2080	- 2108	28	Shale, red and green; many fragments show a mixture of the two colors
2108	- 2118	10	Shale, gray
2118	- 2126	8	Shale, gray, calcareous, and fossiliferous
2126	- 2132	6	Limestone, light-gray to brown ("Little Lime")
2132	- 2145	13	No sample
2145	- 2153	8	Sandstone, white, very fine, 70%; soft, gray, thinly laminated shale, 30%
2153	- 2165	12	Shale, gray, soft, thinly laminated ("Pencil Cave") GREENBRIER LIMESTONE, LOWER MISSISSIPPIAN, AND UPPER DEVONIAN, 1220+ FEET
2166			Top of "Big Lime" from driller's record
2165	- 2486	321	No samples

(Continued--OVER) (Page 4)

Top.	Bottom.	Thickness.	
2486	- 2522	36	Shale, gray, silty
2522	- 2616	94	Siltstone and shale, gray
2616	- 2624	8	Sandstone, light-gray, very fine, 50%; gray shale and siltstone, 50%
2624	- 2632	8	Siltstone and shale, gray
2632	- 2674	42	Sandstone, light-gray, very fine, grading into siltstone
2674	- 2698	24	Siltstone, light-gray, sandy; a little gray shale
2698	- 2744	46	Siltstone, light-gray, 70 to 80%; gray shale, 30 to 20%
2744	- 2820	76	Shale, gray, with some interbedded siltstone
2820	- 2829	9	Shale, gray, 70%; very fine white sandstone, 30%
2829	- 2835	6	Sandstone, white, very fine, 60%; gray shale and siltstone, 40%
2835	- 2864	29	Shale, and siltstone, gray
2864	- 2874	10	Siltstone, gray
2874	- 2890	16	Shale and siltstone, gray, 80%; red shale, 20%
2890	- 2900	10	No sample
2900	- 2910	10	Shale and siltstone, gray
2910	- 2978	68	Shale, red, silty
2978	- 3021	43	Shale, gray, with some red
3021	- 3042	21	No sample
3042	- 3046	4	Shale, gray, 50%; nearly white, very fine, sandstone, 50%
3046	- 3066	20	Shale, gray to grayish-green
3066	- 3074	8	Siltstone, white to green, 70%; gray shale, 30%
3074	- 3083	9	Shale, gray, 50%; light-gray siltstone, enclosing a few grains of coarse sand ?
3083	- 3094	11	No sample; recorded as Gordon Sand
3094	- 3121	27	Shale, gray, silty, 70 to 80%; light-gray siltstone and very fine sandstone, 30 to 20%
3121	- 3141	20	Shale, gray
3141	- 3170	29	Shale, gray, 80%; white to greenish very fine sandstone, 20%
3170	- 3190	20	Shale, gray
3190	- 3229	39	Shale, gray, 60%; light-gray to green siltstone and very fine sandstone, 30%; red shale, 10%
3229	- 3259	30	Shale, gray, silty, 70 to 80%; gray to green siltstone, 30 to 20%
3259	- 3290	31	Shale, gray, with a little gray and green siltstone
3290	- 3310	20	Sandstone, very light grayish-green, 70%; gray shale and siltstone, 30%
3310	- 3329	19	Sandstone, very light grayish green
3329	- 3386	57	Shale, gray, silty; some interbedded gray and green siltstone
	3386		Total depth