

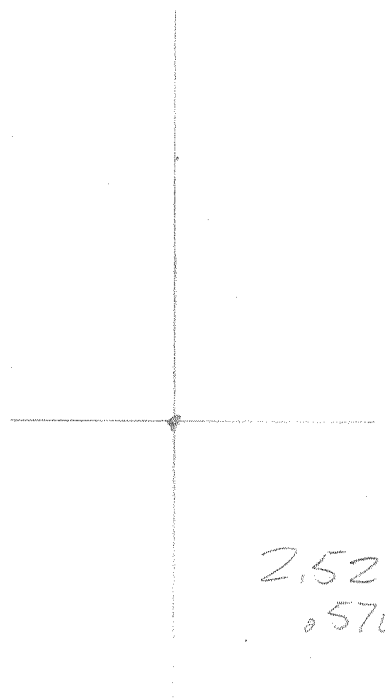
New Location
 Drill Deeper
 Abandonment

Company PITTSBURGH & W.V.A. GAS CO.
 Address CLARKSBURG W.V.A.
 Farm T.S. HARDESTY
 Tract Acres 30 Lease No. 13071

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

LATITUDE 39 30

LONGITUDE 80 22 30



2.52S
0.57W

7.5 OGIS topo location

7.5' loc _____ 15' loc _____
 (calc.) _____

Company _____ 5034

Farm T S HARDESTY

Quad WALLACE

County MARION

District MANNINGTON

WELL LOCATION MAP

File No. 36754

7644

Mannington District, Marion County, W. Va.

By Pittsburgh & W. Va. Gas Co., Clarksburg, W. Va.

Abandoned under permit Mar-.....-A7

On 30 acres; Clarksburg N/V 2-4.

Elevation, 1329' V. A.

Surface owned by Henry L. Criss, Sch., 509 East Park Ave., Fairmont, W. Va.,

and minerals by First Exchange Bank et al., Mannington, W. Va.

Drilling commenced Oct. 3, 1912; completed Nov. 30, 1912.

10" casing, 173'; 8" casing, 1100'; 6" casing, 1920'; all left in.

Coal was encountered at 80-84, 528-529, and 633-640'.

Gas well. Record to Dept. of Mines dated Sept. 20, 1951.

Record to BOT from Mrs. Griffith Feb. 29, 1952. Old File No. 824.

	Top.	Bottom.
Red rock, soft	0	18
Lime, light, hard	18	45
Sand, yellow, soft	45	70
Slate, dark, soft	70	80
Coal, black, soft	80	84
Slate, dark, soft	84	90
Lime, light, hard (water, 95-115')	90	175
Slate, light, soft	175	180
Sand, light, hard	180	300
Slate, light, soft	300	310
Lime, light, hard	310	528
Mapletown (Sawickley) Coal, black, soft	528	530
Slate, dark, soft	530	545
Lime, light, hard	545	633
Pittsburgh Coal, black, hard	633	640
Lime, light, hard	640	760
Sand, light, hard	760	800
Lime, light, hard	800	850
Red rock, soft	850	880
Lime, red, hard	880	920
Red rock, soft	920	930
Lime, light, hard	930	966
Little Bunkard Sand, light, hard	966	995
Lime, light, hard	995	1110
Slate, dark, soft	1110	1184
Gas Sand, soft	1184	1232
Slate, dark, soft	1232	1330
Salt Sand	1330	1440
Unrecorded	1440	1450
2nd Salt Sand	1450	1810
Unrecorded	1810	1890
Little Lime	1890	1900
Pencil Cave	1900	1910
Big Lime	1910	1971
Big Injun Sand (show gas, 1999')	1971	2075
Unrecorded	2075	2093
Squaw Sand	2093	2104
Slate and shells	2104	2532
50-Ft. Sand, hard (gas, 2546')	2532	2595
Slate and shells, hard	2595	2623
30-Ft. Sand, hard (gas, 2631-2636')	2623	2642
Red rock, soft	2642	2685
Sand, light, hard	2685	2705

(OVER)

T. S. HARINETY NO. 5034 WELL (Continued).

	Top.	Bottom.
Slate shells	2705	- 2770
Sand, light, hard	2770	- 2781
Slate, dark, soft	2781	- 2791
Gordon Stray Sand, hard	2791	- 2799
Slate, dark, soft	2799	- 2807
Gordon Sand, hard (gas, 2815-2820*)	2807	- 2834
Slate, dark, soft	2834	- 2851
4th Sand, hard	2851	- 2865
Slate	2865	- 3055
Total depth		3055



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

824

Permit No. MAR-754-A

WELL RECORD

Oil or Gas Well _____
(KIND)

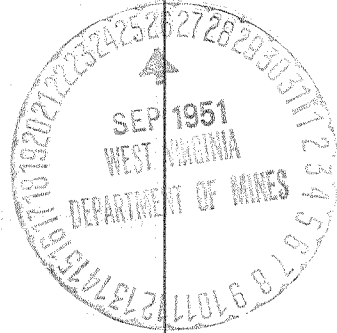
Company Pittsburgh & West Va Gas Company.
Address Clarksburg, West Va.
Farm T. S. Hardesty Acres 30
Location (waters) Clarksburg N/W. 2-4
Well No. 5034 Elev. 1329' VA
District Mannington County MARION
The surface of tract is owned in fee by Henry L. Criss-Adm.
509 East Park Ave., Fairmont, West Va.
Mineral rights are owned by First Exchange Bank, et al.
Mannington, West Va.
Drilling commenced October 3rd, 1912
Drilling completed November 30th, 1912
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ 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	173'	173'	Size of
8 1/4	1100'	1100'	
6 5/8	1920'	1920'	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

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

COAL WAS ENCOUNTERED AT 80 FEET 48 INCHES
528 FEET 24 INCHES 633 FEET 84 INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red Rock	Red	Soft	0	18			
Lime	Light	Hard	18	45			
Sand	Yellow	Soft	45	70			
Slate	Dark	"	70	80			
Coal	Black	"	80	84			
Slate	Dark	"	84	90			
Lime	Light	Hard	90	175	Water	95-115'	
Slate	"	Soft	175	180			
Sand	"	Hard	180	300			
Slate	"	Soft	300	310			
Lime	"	Hard	310	528			
H.T. Coal	Black	Soft	528	530			
Slate	Dark	"	530	545			
Lime	Light	Hard	545	633			
Pgh. Coal	Black	"	633	640			
Lime	Light	"	640	760			
Sand	"	"	760	800			
Lime	"	"	800	850			
Red Rock	Red	Soft	850	880			
Lime	"	Hard	880	920			
Red Rock	"	Soft	920	930			
Lime	Light	Hard	930	966			
L. Dunkard	"	"	966	995			
Lime	"	Hard	995	1110			
Slate	Dark	Soft	1110	1184			
Gas Sand		"	1184	1232			
Slate	Dark	"	1232	1390			
Salt Sand	"	"	1390	1440			
Un-recorded			1440	1450			
2nd. Salt Sand			1450	1810			
Un-recorded			1810	1890			
Little Lime			1890	1900			
Pencil Cave			1900	1910			
Big Lime			1910	1971			
Big Injun			1971	2075	Sh. Gas	1999'	
Un-recorded			2075	2093			
Squaw Sand			2093	2104			
Slate&shells			2104	2532	Gas	2546'	



FEB 29 1952 (Over)

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
30 Ft. Sand		Hard	2532	2595	Gas	2546'	
late Shells		"	2595	2623			
30 Ft. Sand		"	2623	2642	Gas	2631-2636'	
red Rock		Soft	2642	2685			
Sand	Light	Hard	2685	2705			
late Shells			2705	2770			
Sand	Light	Hard	2770	2781			
late	Dark	Soft	2781	2791			
Gordon Stray		Hard	2791	2799			
late	Dark	Soft	2799	2803			
Gordon Sand		Hard	2803	2834	Gas	2815-2820'	
late	Dark	Soft	2834	2851			
Sh. Sand		Hard	2851	2865			
late			2865	3055			
Total depth.....				3055			

September 20th, 1951

Date _____, 19____

PITTSBURGH & WEST VA GAS COMPANY.

APPROVED _____, Owner

By W. M. Masten
(Title)

Record of Well No. 5034 Located on A. P. Hardesty Farm Aug 15 1912
Maumontown District Marion County West Va State
 Division A District No. 11 Drilled under well Order 572
 Rig built by John Craig Began Sept 6 1912 Completed Sept 13 1912
 Well drilled by W. M. Baumhart Began Oct 3 1912 Completed Nov 30 1912
 Depth of Well 3055 feet Size of Hole 6 5/8 Producing Gas
2651 Elev. 1329

CASED WITH			REMARKS
AMOUNT	SIZE	KIND	
<u>16'</u>	<u>13"</u>	<u>wood</u>	
<u>173'</u>	<u>10"</u>	<u>iron</u>	
<u>1100'</u>	<u>8 1/2"</u>	<u>"</u>	
<u>1720'</u>	<u>6 5/8"</u>	<u>"</u>	
<u>3055'</u>	<u>3"</u>	<u>"</u>	

COAL VEINS 528 633
Maumontown 530 640 Water in bottom of coal

FORMATIONS					
FORMATION	COLOR	OPEN OR CLOSE HARD OR SOFT	TOP	BOTTOM	REMARKS GAS-OIL-WATER (THICKNESS OF PAY)
<u>Little Oolite</u>			<u>966</u>	<u>975</u>	<u>water 95</u>
<u>Gas sand</u>			<u>1184</u>	<u>1232</u>	<u>118</u>
<u>wt. sand</u>			<u>1330</u>	<u>1440</u>	
<u>and "</u>			<u>1480</u>	<u>1810</u>	
<u>Little Limestone</u>			<u>1890</u>	<u>1900</u>	
<u>Big Limestone</u>			<u>1910</u>	<u>1991</u>	
<u>Big Limestone</u>			<u>1991</u>	<u>2075</u>	<u>Gas 1999 Limestone</u>
<u>Shinarump sand</u>			<u>2095</u>	<u>2104</u>	
<u>Little Rock</u>			<u>2132</u>	<u>2075</u>	<u>" 2546 "</u>
<u>Little Rock</u>			<u>2628</u>	<u>2640</u>	
<u>Gordon Shale</u>			<u>2791</u>	<u>2799</u>	
<u>Gordon sand</u>			<u>2802</u>	<u>2834</u>	<u>" 2810-2820</u>
<u>Waverly "</u>			<u>2867</u>	<u>2965</u>	
<u>Total depth</u>			<u>3055</u>		
					<u>filled (12-11-19)</u>
					<u>clay 3045-2870</u>
					<u>clay 2870-2780</u>
					<u>limestone 2780-2770</u>
					<u>clay 2770-2655</u>
					<u>shale 2655-2652</u>
					<u>Acid test 2652-2657</u>

(064) Laminator

FIRST PRESSURE TEST IN 6 5/8 CASING

REMARKS

30 Sec.	10	lbs.		May 1916. 4 1/2 M.S. 789,480. 90-48 hrs.
1 Min.	20	"		June 1917. 8 1/2 W 2. 302,400. 65-48 hrs.
2 "	35	"		June 1917. 4 1/2 W 2. 115,968. 58-48 hrs.
5 "	65	"		
10 "	76	"		
15 "		"		
30 "	90	"		
Rock Pressure		" in		
Taken	Dec 2	1912		
By	Zawocho			

WELL TUBED AND PACKED Dec 5 1912

Retubed 12-15-39

VIZ: - 146 ft. 3008 ft. of 3" tubing
 20 ft. 16 ft. of casing
 1-6 5/8" anchor packer
 12 1/2 ft. 2 1/2" x 3/4" tubing
 7 ft. 110' in anchor
 1. 6 1/2" x 3" N. St. Parker
 1- 3" x 18" with 18" packer
 3 1/2" x 18" packer
 Casing 2 1/2" x 3/4" - 12-15-39
 2 1/2" x 3/4" - 24 ft.

FIRST PRESSURE TEST IN 3" TUBING

2437
 110
 348

REMARKS

30 Sec.	90	lbs.	15	2451
1 Min.	90	"	26	110
2 "	100	"	42	2541
5 "	110	"	64	
10 "	114	"	68	
15 "	114	"	71	
30 "	115	"		
Rock Pressure	30	" in	2 1/2 hrs	
Taken	Dec 5	1912	July 16 - 1916	
By	Zawocho		J. J. Norris	

MATERIAL FOR THIS WELL RECEIVED FROM FOLLOWING SOURCES:

FORMATIONS

FORM: 032-5170

Well 5034 A. J. Hardesty

NAME	TOP	BOTTOM	OIL	GAS	WATER	REMARKS
Red Rock		18				
Lime	18	45				
Sand	45	70				
Slate	70	80				
Coal	80	84				
Slate	84	90				
Lime	90	175			75	
Slate	175	180			115	
Sand	180	300				
Slate	300	310				
Lime	310	528				
Mapletown Coal	528	530				
Slate	530	545				
Lime	545	633				
Oil Coal	633	640				
Lime	640	760				
Sand	760	800				
Lime	800	880				
Red Rock	880	920				
Lime	920	930				
Red Rock	930	966				
Little Dundard	966	975				
Lime	975	1110				
Slate	1110	1184				
Gas Sand	1184	1233				
Slate	1233	1330				
Sand	1330	1440				
sub. Sand	1440	1810				
Little Lime	1890	1900				
Upper Con	1900	1910				
Big Lime	1910	1971				
Big Limestone	1971	2075		1999		
Sand	2075	2104				
Slate & Shell	2104	2532				
Red Rock sand	2532	2575		2546		
Slate & Shells	2575	2623				
Thirty Foot	2623	2642		2631		
Red Rock	2642	2685				
Sand	2685	2705				
Slate & Shells	2705	2770				
Sand	2770	2781				
Slate	2781	2791				
Woodbury	2791	2799				
Slate	2799	2803				
Woodbury Sand	2803	2867		2815		
Worth Sand	2867	2868		2820		
Total Depth		3005				Steel line measurement