



New Location..

Drill Deeper.....

Abandonment.....  5106

Company PITTSBURGH E. W.VA. GAS CO.

Address CLARKSBURG, W.VA.

Farm OTIS F. MARTIN

Tract \_\_\_\_\_ Acres 104 Lease No. 6718

Well (Farm) No. 1 C, 2 Serial No. 5017

Elevation (Spirit Level) AS SHOWN

Quadrangle FAIRMONT N.W. 1 1/4

County MARION District LINCOLN

Engineer Kenneth B. Moore

Engineer's Registration No. 764

File No. V.160 P.97 Drawing No. \_\_\_\_\_

Date NOV. 5, 1948 Scale 1" = 500'

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

WELL LOCATION MAP  
FILE NO. MAR-584-A-#5106

+ 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.

584 R

Lincoln District, Marion County, W. Va.  
 By Pittsburgh & W. Va. Gas Co., Clarksburg, W. Va.  
 Abandoned under permit Mar-----47  
 On 104 acres; Fairmont W/W 1-8.  
 Elevation, 1240' V. A.  
 Surface owned by S. E. Martin and minerals by Steen E. Martin et al.,  
 R. D. No. 1, Fairmont, W. Va.  
 Drilling commenced June 16, 1915; completed Aug. 21, 1915.  
 Shot Aug. 24, 1915, at 2641'.  
 Fresh water at 242'.  
 Salt water at 1343 and 1395'.  
 10" casing, 431' (cemented); 8", 1423'; 6", 1736'; 5", 2656'.  
 Coal was encountered at 322-328 and 450-458'.  
 Gas well. Abandonment record dated Oct. 17, 1940. (?) Record to  
 Dept. of Mines stamped Nov. 18, 1948.  
 Record to ROT from Mrs. Griffith April 18, 1949. Old File No. 672.

	Top.	Bottom.
Soil	0	10
Bluff Sand, white, hard	10	45
Slate, dark, soft	45	85
Lime, white, hard (water, 242')	85	322
Coal, black, soft	322	328
Slate, black, soft	328	363
Lime, white, hard	363	450
Pittsburgh Coal, black, soft	450	458
Lime, white, hard	458	518
Slate, white, soft	518	660
Sand, white, soft	660	730
Lime, white, hard	730	785
Red rock, soft	785	805
Lime, white, hard	805	830
Slate, black, soft	830	865
Little Dunkard Sand, white, hard (gas, 878')	865	935
Slate, black, soft	935	955
Big Dunkard Sand, white, hard	955	1015
Lime, white, hard	1015	1045
Slate, white, soft	1045	1088
Sand, white, hard	1088	1115
Shale, black, soft	1115	1123
Gas Sand, white, hard	1123	1148
Slate, black, soft	1148	1238
1st Salt Sand, white, hard	1238	1295
Shale, white, soft	1295	1320
2nd Salt Sand, white, hard (water, 1343 and 1395')	1320	1500
Slate, black, soft	1500	1545
Lime, white, hard	1545	1585
Red rock, medium	1585	1655
Lime, white, hard	1655	1677
Red rock, soft	1677	1715
Little Lime, dark, hard	1715	1735
Pencil Cave, dark, soft	1735	1745
Big Lime, white, hard	1745	1806
Big Injun Sand, white, hard (gas, 1855')	1806	1920
Slate and shell, black	1920	2288
Sand, white, hard	2288	2332

(OVER)

OTIS F. MARTIN NO. 5106 WELL (Continued).

	Top.	Bottom.
Slate, black, soft	2332	- 2373
Seventy Sand, white, hard	2373	- 2450
Slate and shells, dark	2450	- 2467
Fifty-foot Sand, white, hard	2467	- 2548
Red rock, soft	2548	- 2555
Thirty-foot Sand, white, hard	2555	- 2610
Red rock, soft	2610	- 2627
Gordon Stray Sand, dark, hard	2627	- 2650
Slate, black, soft	2650	- 2661
Gordon Sand, dark, hard	2661	- 2704
Red rock, soft	2704	- 2712
4th Sand, dark, hard	2712	- 2756
Slate and shells, dark, soft	2756	- 2809
5th Sand, dark, soft (gas, 2835-38')	2809	- 2842
Unrecorded	2842	- 2866
Total depth		2866

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

672

WELL RECORD

584-A

Permit No. \_\_\_\_\_

Oil or Gas Well \_\_\_\_\_  
(Kind)

Company Pittsburgh & West Va Gas Company.  
 Address Clarksburg, West Va.,  
 Farm Otis F. Martin Acres 104  
 Location (waters) Fairmont N/W. 1-C  
 Well No. 5106 Elev. 1240' VA  
 District Lincoln County Marion  
 The surface of tract is owned in fee by S. E. Martin  
 R.D.#1 Address Fairmont, W. Va.  
 Mineral rights are owned by Steen E. Martin et al.  
 R.D.#1 Address Fairmont, West Va.  
 Drilling commenced June 16th, 1915  
 Drilling completed August 21st, 1915  
 Date shot 8-24-1915 Depth of shot 2843'  
 Open Flow /10ths Water in \_\_\_\_\_ Inch  
 /10ths Merc. in \_\_\_\_\_ Inch  
 Volume \_\_\_\_\_ Cu. Ft.  
 Rock Pressure \_\_\_\_\_ lbs \_\_\_\_\_ hrs.  
 Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
 Fresh water 242 feet \_\_\_\_\_ feet  
 Salt water 1348 1395' feet \_\_\_\_\_ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10	<u>481'</u>	<u>481' - Cemented</u>	Size of
8 1/4	<u>1423'</u>	<u>1423'</u>	
6 3/8	<u>1786'</u>	<u>1786'</u>	Depth set
5 3/16	<u>2656'</u>	<u>2656'</u>	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom
CASING CEMENTED		SIZE <u>10"</u>	No. Ft. <u>481'</u> Date
COAL WAS ENCOUNTERED AT		<u>322</u> FEET	<u>72</u> INCHES
		<u>450</u> FEET	<u>96</u> INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Soil			0	10			
Bluff Sand	white	Hard	10	45			
Slate	Dark	Soft	45	85			
Lime	white	Hard	85	322	Water	242'	
Coal	Black	Soft	322	328			
Slate	"	"	328	369			
Lime	white	Hard	369	450			
Fgh. Coal	Black	Soft	450	458			
Lime	white	Hard	458	518			
Slate	"	Soft	518	660			
Sand	"	"	660	730			
Lime	"	Hard	730	785			
Red Rock	Red	Soft	785	805			
Lime	white	Hard	805	830			
Slate	Black	Soft	830	865			
Little Dunkard	white	Hard	865	935	Gas	878'	
Slate	Black	Soft	935	955			
Big Dunkard	white	Hard	955	1015			
Lime	"	"	1015	1045			
Slate	"	Soft	1045	1088			
Sand	"	Hard	1088	1115			
Shale	Black	Soft	1115	1123			
Gas Sand	white	Hard	1123	1148			
Slate	Black	Soft	1148	1238			
1st. Salt Sand	white	Hard	1238	1295			
Shale	"	Soft	1295	1320			
2nd. Salt Sand	"	Hard	1320	1500	Water		
Slate	Black	Soft	1500	1545	"		
Lime	white	Hard	1545	1585			
Red Rock	Red	Medium	1585	1655			
Lime	white	Hard	1655	1677			
Red Rock	Red	Soft	1677	1715			
Little Lime	Dark	Hard	1715	1735			
P. Cave	"	Soft	1735	1745			
Big Lime	white	Hard	1745	1806			
Big Injun	"	"	1806	1920	Gas	1855'	
Slate&Shell	Black		1920	2288			
Sand	white	Hard	2288	2332			
Slate	Black	Soft	2332	2373			
Gault Sand	White	Hard	2373	2450			
Slate&Shells	Dark		2450	2467			
Fifty Foot Sand wh.		Hard	2467	2548			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red Rock	Red	Soft	2548	2555			
Thirty Foot	sd. white	Hard	2555	2610			
Red Rock	Red	Soft	2610	2627			
Gordon Stray	Dark	Hard	2627	2650			
Slate	Black	Soft	2650	2661			
Gordon Sand	Dark	Hard	2661	2704			
Red Rock	Red	Soft	2704	2712			
4th. Sand	Dark	Hard	2712	2756			
Slate&shells	"	Soft	2756	2809			
5th. Sand	"	"	2809	2842	Gas	2835-38'	
Un-recorded			2842	2866			
Total Depth				2866			

Date October 17th, 1940, 19...

APPROVED FITZGERALD & SONS LI GAS COMPANY, Owner

By *W. M. ...*  
(Title)

Record of Well No. 5106 Located on Geo. W. Martin Farm May 11 1917  
Warren District Marion County West Va State  
 Division N District No. 11 Drilled under well Order 2214  
 Rig built by John Craig Began June 9 1915 Completed June 15 1915  
 Well drilled by Michael Hallett Began June 16 1915 Completed Aug 21 1915  
 Depth of Well 2866 feet Size of Hole 5 3/16 Producing Gas  
 Elev. 1240' G.L.

CASED WITH			REMARKS
AMOUNT	SIZE	KIND	
<u>16"</u>	<u>16"</u>	<u>Wood</u>	
<u>481'</u>	<u>10"</u>	<u>Del.</u>	<u>Permeated through coal</u>
<u>1428'</u>	<u>8 1/4"</u>	<u>Del.</u>	
<u>1781'</u>	<u>6 5/8"</u>	<u>"</u>	
<u>2656'</u>	<u>5 3/16"</u>	<u>"</u>	<u>5 3/16" steel run bottom</u>

COAL VEINS 458  
468

FORMATIONS					
FORMATION	COLOR	OPEN OR CLOSE HARD OR SOFT	TOP	BOTTOM	REMARKS GAS-OIL-WATER (THICKNESS OF PAY)
<u>Little Dunkard</u>			<u>865</u>	<u>935</u>	<u>Gas 878 - 13 feet to 1000 ft</u>
<u>Big "</u>			<u>955</u>	<u>1015</u>	
<u>Mass sand</u>			<u>1123</u>	<u>1148</u>	
<u>W. Lickland</u>			<u>1258</u>	<u>1295</u>	
<u>and salt sand</u>			<u>1320</u>	<u>1500</u>	<u>Water 1348 - 18 feet to</u>
<u>Little Linn</u>			<u>1715</u>	<u>1735</u>	<u>" 155 - 40 - 40 - 100 feet full</u>
<u>Big Linn</u>			<u>1745</u>	<u>1806</u>	
<u>Big Linn</u>			<u>1806</u>	<u>1920</u>	<u>Gas 1803 - 1000 ft</u>
<u>Mauch sand</u>			<u>2288</u>	<u>2332</u>	
<u>White Post</u>			<u>2373</u>	<u>2457</u>	
<u>White Post</u>			<u>2467</u>	<u>2528</u>	
<u>Rockwell</u>			<u>2627</u>	<u>2657</u>	
<u>Rockwell</u>			<u>2661</u>	<u>2704</u>	
<u>Rowles sand</u>			<u>2712</u>	<u>2756</u>	
<u>White "</u>			<u>2807</u>	<u>2842</u>	<u>" 2835 to 2838 - 4 to 1 - 8 ft</u>
<u>Total Depth</u>				<u>2866</u>	

(064) Farmington

FIRST PRESSURE TEST IN			5 3/16 CASING	REMARKS
30 Sec.	0	lbs.	0	after shot
1 Min.	2 1/2	"	6	
2 "	5	"	9	
5 "	7 1/2	"	28	
10 "	12	"	67	
20 "	25	"		
30 "	37 1/2	"		
Rock Pressure	250	"	in 14 hrs. 350 - 24 hrs.	
Taken	Aug 22	1915	Aug 26 - 1915	
By	Norris		Huff	

Well shot 8-24-1915  
 with 40 lbs in right hand 2-6 shells  
 Bottom of shell 2841 ft  
 Filled up with stone to 2841 ft  
 Before shot .6 W. 1" Opng. 26 MCF  
 After " 2.4 W 2" Opng. 207 MCF

WELL TUBED AND PACKED Sept 3 1915 Sept 27 1915  
 VIZ: - 136 ft. 2873 ft. of 2" Tubing  
 576 111 ft. of 2" Tubing  
 1-0 3/16 " L.W. Wash Cacker  
 Sept 4  
 Left in hole 576 111 ft. of 2" Tubing  
 and bottom foot of Cacker with the  
 Slip Hook off and casing across the  
 top of Cacker Tubing should be led

FIRST PRESSURE TEST IN			TUBING	REMARKS
30 Sec.	7	lbs.	4	in 5 3/16 when turned in line
1 Min.	15	"	7	
2 "	28	"	10	
5 "	55	"	20	
10 "	90	"	25	
15 "	110	"	42	
30 "	150	"	70	
Rock Pressure	314	"	in 14 hrs. 310 - 72 hrs.	
Taken	Sept 3	1915	Sept 27 - 1915	
By	L.S. Huff		Norris	

June 17 18. 3 W 2" 18040 - 200 - 48 hrs.

MATERIAL FOR THIS WELL RECEIVED FROM FOLLOWING SOURCES:

FORMATIONS

FORM: O 32-5170

Well # 5706

NAME	TOP	BOTTOM	OIL	GAS	WATER	REMARKS
Buff Sand	10	40				
Slate	40	80				
Lime	85	322			242	1-B. per 1 hr.
Coal	322	328				
Slate	328	363				
Lime	363	450				
Sh. Coal	450	458				Steel Line
Lime	458	578				
Slate	578	660				
Sand	660	730				
Lime	730	785				
Red Rock	785	805				
Lime	805	830				
Slate	830	865				
Little Dunkard	865	935		898		Light Show
Slate	935	955				
Big Dunkard	955	1015				
Lime	1015	1045				
Slate	1045	1088				
Sand	1088	1115				
Slate	1115	1123				
Big Sand	1123	1148				
Slate	1148	1238				
Salt Sand	1238	1295				
Slate	1295	1320			1348	4 failures per hr
red Salt Sand	1320	1370			1395	hole full
Slate	1370	1525				
Lime	1525	1585				
Red Rock	1585	1655				
Red Rock	1679	1715				
Little Lime	1715	1735				
Small Lime	1735	1745				
Big Lime	1745	1806				Steel Line
Big Limestone	1806	1921		1855		Small Show
Shells & Shells	1920	2288				
Sand	2288	2322				
Slate	2322	2373				
Sand Sand	2373	2450				
Slate Shell	2450	2467				
Water Shells & Shells	2467	2528				
Red Rock	2528	2555				
Red Rock	2555	2610				
Red Rock	2610	2627				
London Gray	2627	2658				Steel Line
Slate	2660	2661				
London	2661	2704				
Red Rock	2704	2712				Set packer at 2745
Worth Sand	2712	2756				
Slate Shell	2756	2809				
Witch Sand	2819	2842		2835		Steel Line
Total Depth		2866				