

Company Pittsburgh & W. Va. Gas Co.  
 Address Clarksburg, W. Va.  
 Farm Michael Sandy  
 Tract \_\_\_\_\_ Acres 63 1/2 Lease No. 4437  
 Well (Farm) No. 1 Serial No. 7004  
 Elevation (Spirit Level) 1112 VA  
 Quadrangle Burnsville NE 13  
 County Lewis District Courthouse  
 Engineer James D. Jeffries  
 Engineer's Registration No. 1084 NC  
 File No. 161/55 Drawing No. \_\_\_\_\_  
 Date 6-28-49 Scale 1"=300'

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

**WELL LOCATION MAP**  
 FILE NO. LEW-487-A

+ 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.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

565

WELL RECORD

Permit No. 487-A

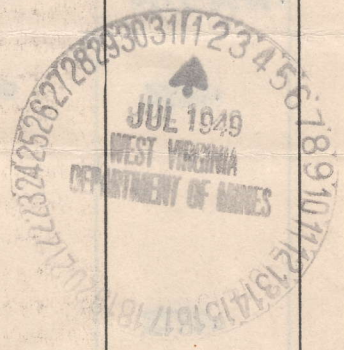
Oil or Gas Well "GAS"  
(KIND)

Company Pittsburgh & West Va Gas Company.  
Address Clarksburg, West Va.  
Farm Michael Sandy Acres 63-1/2  
Location (waters) Burnsville N/E. 1-3  
Well No. 7004 Elev. 1212' VA  
District Court House County Lewis  
The surface of tract is owned in fee by Claid Mill  
R.D./1 Address Rounohe, West Va.  
Mineral rights are owned by C. B. Heath-Atty-in-Fact  
Michael Sandy-Deceased Address Orlando, West Va.  
Drilling commenced August 29th, 1914  
Drilling completed October 17, 1914  
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	120'	120'	Size of
8 1/4	818'	None	
6 5/8	2043'	2043'	Depth set
5 3/16	2619'	2619'	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
COAL WAS ENCOUNTERED AT 610 FEET 36 INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Mud	Yellow	Soft	0	13			
Sand	White	Hard	13	33			
Red Rock	Red	Soft	33	73			
Slate	White	"	73	100			
Lime	"	Hard	100	125			
Slate	Dark	Soft	125	173			
Sand	White	"	173	198			
Slate	"	"	198	238			
Red Rock	Red	"	238	285			
Lime	White	Hard	285	400			
Sand	"	"	400	450			
Red Rock	Red	Soft	450	610			
Coal	Black	"	610	613			
Slate	White	"	613	625			
Red Rock & Lime		Soft&Hard	625	640			
Slate	White	Soft	640	700			
Red Rock	Red	"	700	735			
Little Dunkard	White	Hard	735	742			
Slate	"	Soft	742	772			
Big Dunkard	"	Hard	772	829			
Slate	"	Soft	829	887			
Gas Sand	"	Hard	887	943			
Slate	Black	Soft	943	960			
Lime	White	Hard	960	1088			
Slate	"	Soft	1088	1220			
1st. Salt Sand	"	Hard	1220	1275			
Slate	Dark	Soft	1275	1285			
2nd. Salt Sand	White	Hard	1285	1330			
Slate	Dark	Soft	1330	1338			
Sand	White	Hard	1338	1400			
Slate	Black	Soft	1400	1450			
Lime	Dark	Hard	1450	1520			
Sand	White	"	1520	1550			
Slate	Dark	Soft	1550	1630			
Sand	White	Hard	1630	1645			
Slate&Lime Shells			1645	1834			
Maxon Sand	White	Hard	1834	1925	Water	1855'	
Red Rock	Red	Soft	1925	1940			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Line	White	Hard	1940	1946			
Red Rock	Red		1946	1951			
Little Line Shells			1951	1971			
Pencil Cave		Soft	1971	1976			
Big Line	White	Hard	1976	2060			
Big Injun	"	"	2060	2235	Gas	2142'	
Slate	"	Soft	2235	2305			
Slate&Shells			2305	2572			
Thirty Foot Sand	White	Hard	2572	2580			
Slate	White	Soft	2580	2591			
Red Rock	Red	Soft	2591	2593			
Slate&Shells			2593	2616			
Gordon Stray	White	Hard	2616	2633	Gas	2620'	
Slate	Dark	Soft	2633	2641			
Gordon Sand	White	Hard	2641	2668			
Slate	"	Soft	2668	2725	Gas	2646-2656'	
Slate&Shells			2725	2800			
5th.Sand	White	Hard	2800	2804			
Slate	"	Soft	2804	2836			
Total depth.....				2836			

Date June 23, 1949

19.....

PITTSBURGH & WEST VA GAS COMPANY,

APPROVED \_\_\_\_\_, Owner

By W. H. M. [Signature]  
(Title)

The Philadelphia Company of West Virginia Abd 6-24-14

Record of Well No. 7004 Located on Mahala Sandy Farm April 1914  
 Court House District Lewis County West Virginia State  
 Division R1 District No. 13 Drilled under Well Order R2  
 Rig built by John Gray Began June 20 1914 Completed June 28 1914  
 Well drilled by W. M. Bunker Began 8/29 1914 Completed Oct 1 1914  
 Depth of Well 2836 feet. Stat Size of Hole 5 3/16 Producing Gas  
 Elev: 1112

CASED WITH REMARKS

AMOUNT	SIZE	KIND	REMARKS
16	1 3/4"	Wood	Set 21' Let in 4' 6 1/2"
120	1 0"	Case	
48	8 1/4"	"	10/22 - Reamed 309 to 84" - 120' to 100' hole
2043	6 5/8"	pull 1200 lett 703	6 5/8" x 8 1/4" Box Tray Pack
2612	5 3/16"	pull 1200 lett 28	6 1/8" x 5 3/16" " " "

COAL VEINS 610 to 613

FORMATIONS

NAME	TOP	BOTTOM	OIL	GAS	WATER	REMARKS
Mahala Sand	1824	1925				
Big Lime	1976	2060				
Big Sand	2060	2235		2122		show
Softy Wood	2542	2580				
Jordan Clay	2616	2633		2620		show
Jordan Sand	2641	2668		2646		20/10th Water show 5 1/2' 1199 MoF
5th Sand	2800	2804				
well plugged	7-6-4	7-12-49				run at time 11/24-1914 10:45 AM
Asphalt	2836	2600				
Blended		2610				
Cement	2600	2550				
Asphalt	2550	2080				
Blended		2080				
Cement	2080	2070				
Asphalt	2070	1200				
Cement	1200	990				
Asphalt	990	640				
Blended		640				
Cement	640	590				
Asphalt	590	150				
Blended		150				
Cement	150	140				
Asphalt	140	5				
Cement	5	Surface				

FIRST PRESSURE TEST IN 5 3/16" CASING

REMARKS

30 Sec. 10# lbs.  
 1 Min. 20 "  
 2 " 50 "  
 5 " 3/80 " 1/100 "  
 10 " 5/122 " 10/220 "  
 20 " 34 5 "

Rock Pressure 480 " in 12 hrs

Taken Oct 17th 1914

By Fred Leidy

WELL TUBED AND PACKED 19

FIRST PRESSURE TEST IN TUBING

REMARKS

30 Sec. lbs.  
 1 Min. "  
 2 " "  
 5 " "  
 10 " "  
 15 " "  
 30 " "

Rock Pressure " in

Taken 19

By

MATERIAL FOR THIS WELL RECEIVED FROM FOLLOWING SOURCES:

- 1- Complete Rig Pattern (11597) @ 20¢ - 23197 - John A. Bond & J. G. Casey
- 1- " Oil 4 1/2" Pullusky R. & Co.
- 1- " " Truing Standard \$75 - Michael Dandy

WELL #7004. Mahala Sandy

FORMATIONS

NAME	TOP	BOTTOM	OIL	GAS	WATER	REMARKS
Clay	00	10				
Sand	10	18				
Red Rock	13	33				
Slate	33	73				
Lime	73	100				
Slate	125	175				
Sand	173	198				
Slate	198	228				
Red Rock	228	285				
Lime	285	400				
Sand	400	450				
Red Rock	450	600				
Slate	600	610				
Lewis County Coal	610	615				
Slate	613	635				
Red Rock	625	640				
Lime	640	699				
Slate	700	725				
Red Rock	735	742				
Little Dunkard Sand	742	772				
Slate	772	823				
Big Dunkard	829	887				
Slate	887	942				
Gas Sand	942	960				
Slate	960	1088				
Lime	1088	1220				
Slate	1220	1275				
1st Salt Sand	1275	1285				
Slate	1285	1290				
2nd Salt Sand	1350	1320				
Slate	1328	1400				
Sand	1400	1450				
Slate	1450	1520				
Lime	1520	1550				
Sand	1550	1650				
Slate	1630	1645				
Sand	1645	1624			1635	
Slate & Lime	1624	1625				
Maxon Sand	1925	1940				
Red Rock	1940	1945				
Lime	1944	1951				
Red Rock	1951	1971				
Little Lime	1971	1975				
40 FT BIG LIMB	1975	2060				
Big Injun	2060	2235			2142	
Slate	2235	2303				
Slate & Shells	2305	2372				
Thirty Foot Sand	2372	2580				
Slate	2580	2591				
Red Rock	2591	2593				
Slate & Shells	2593	2616				
Gordon Stray	2616	2632			2620	
Slate	2632	2641				
Gordon Sand	2641	2648			2645 & 2655	
Slate	2648	2725				
Slate & Shells	2725	2800				
Fifth Sand	2800	2804				
Slate	2804	2834	TOTAL DEPTH			