

Company PITTSBURGH & W.VA. GAS CO.
 Address CLARKSBURG, W.VA.
 Farm S. R. LANHAM ET AL.
 Tract _____ Acres 101 Lease No. 13894
 Well (Farm) No. ONE Serial No. 4498
 Elevation (Spirit Level) 1181' V.A.
 Quadrangle CLARKSBURG S.W. 1⁴ WC WC
 County HARRISON District SARDIS
 Engineer James J. Poffine
 Engineer's Registration No. 1084
 File No. V-90.P.92 Drawing No. _____
 Date AUG. 12, 1941 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. HAR-667A

+ 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

5713

WELL RECORD

Permit No. 657-A

Oil or Gas Well Gas
(KIND)

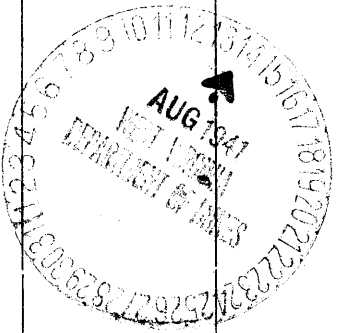
Company Pittsburgh & West Va Gas Company.
 Address Clarksburg, West Va.
 Farm J. E. Lanham Acres 101
 Location (waters) Clarksburg, 3/4. 1-1
 Well No. 4488 Elev. 1181' VA
 District Marble County Harrison
 The surface of tract is owned in fee by J. E. Lanham
 Address Wilsonburg, W. Va.,
 Mineral rights are owned by H. Bird Lanham et al.
R. D. #2, Box 33 Address Wallace, W. Va.
 Drilling commenced October 3, 1914.
 Drilling completed November 10, 1914.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16.			
13.			
10.	331'	331'	Size of
8 1/4	1230'	1230'	
6 5/8	2040'	2040'	Depth set
5 3/16			
3.			Perf. top
2.			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Date shot..... Depth of shot.....
 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 CEMENTED..... SIZE..... No. Ft..... Date.....
 COAL WAS ENCOUNTERED AT..... FEET..... INCHES
 FEET..... INCHES..... FEET..... INCHES
 FEET..... INCHES..... FEET..... INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Top	Yellow	Soft	0	20			
Lime shells	White	Hard	20	70			
Red Rock	Red	Soft	70	75	Water	80'	
Lime	White	Hard	130	140	"	120'	
Slate	Black	Soft	140	200			
Lime	White	Hard	200	230			
Slate	Black	Soft	230	270			
Sand	White	Hard	270	330			
Slate	.	Soft	330	370			
Lime	.	Hard	370	430			
Slate	Black	Soft	430	450			
Lime	White	Hard	450	480			
Slate	.	Soft	480	530			
Lime	.	Hard	530	560			
Slate	Black	Soft	560	575			
Lime	White	Hard	575	600			
Slate	Black	Soft	600	630			
Lime	White	Hard	630	650			
Slate	Black	Soft	650	675			
Lime	White	Hard	675	700			
Slate	Black	Soft	700	730			
Lime	White	Hard	730	750			
Slate	Black	Soft	750	775			
Lime	White	Hard	775	800			
Slate	Black	Soft	800	830			
Lime	White	Hard	830	860			
Slate	Black	Soft	860	880			
Top. Coal	Black	Soft	880	900			
Slate	.	Soft	900	930			
Lime	White	Hard	930	950			
Sandy Sand	.	Soft	950	980			
Red Rock	Red	Soft	980	1000			
Lime	White	Hard	1000	1030			
Slate	Black	Soft	1030	1050			
Slate	Black	Soft	1050	1075			
Lime	White	Hard	1075	1100			
Slate	Black	Soft	1100	1125			
L. Sandstone	White	Hard	1125	1150			
Slate	Black	Soft	1150	1175			
W. Sandstone	White	Hard	1175	1200			
Slate	.	Soft	1200	1225			
Slate	Black	Soft	1225	1250			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Top Sand	White	Hard	1500	1500	Water	1535'	
Slate	Black	Soft	1500	1650			
1st. Sand	White	Close	1650	1650			
Slate	Black	Soft	1650	1700			
Sand	Shells	Hard	1700	1700			
Slate	Black	Soft	1700	1770			
2nd. Sand	White	Close	1770	1800			
Sand	Shells	Hard	1800	1850			
Slate	Black	Soft	1850	1900			
Mass Sand	White	Hard	1900	1900			
Un-weathered			1900	2000			
Little Lane	White	Hard	2000	2000			
Small Cove	Black	Soft	2000	2025			
Big Lane	White	Hard	2025	2075			
Big Injan Sand	White	Close	2075	2150			
Slate	Black	Soft	2150	2200			
Shells	Shells	Hard	2200	2250			
Slate	Black	Soft	2250	2300			
Shells	White	Hard	2300	2375			
Slate	Black	Soft	2375	2425			
Shells	White	Hard	2425	2500			
Coarse Sand	-	-	2500	2500			
Slate	Black	Soft	2500	2550			
Shells	Shells	Hard	2550	2600			
Slate	Black	Soft	2600	2650			
Fifty Foot Sand-White		Hard	2650	2650	Gas	2651'	
Un-weathered			2650	2655			
Total Depth				2655			

June 21, 1911.

Date _____, 194...
PITTSBURGH & WEST VA GAS COMPANY.

APPROVED _____, Owner

By J. E. [Signature]
 (Title)

FORM: G39-14283

Record of Well No. 11448 Located on J.P. Lamberton Farm Aug 17 19 16
Sardis District Harrison County West Va. State
 Division P. District No. 11 Drilled under well Order 667
 Rig built by J.P. Craig Began Sept 6 19 16 Completed Sept 12 19 16
John's West Va. Oil Co Began Sept 29 19 16 Completed Oct 3 19 16
 Well drilled by W. Agnew Began Oct 5 19 16 Completed Oct 10 19 16
 Depth of Well 2630 feet Size of Hole 6 5/8 Producing Gas
2635

CASED WITH			REMARKS
AMOUNT	SIZE	KIND	<u>Lease expires Mar 11-1918</u> <u>Cor. 1181 G.L.</u>
<u>331'</u>	<u>10"</u>	<u>Cased at</u>	<u>16</u>
<u>1230'</u>	<u>8 1/2"</u>	<u>1220'</u>	<u>6'</u>
<u>2056'</u>	<u>6 5/8"</u>	<u>2040'</u>	<u>98-1-6 3/4 shoe</u>

COAL VEINS 775' Coal 781' Coal 785' Coal 788' Coal

FORMATIONS					
FORMATION	COLOR	OPEN OR CLOSE HARD OR SOFT	TOP	BOTTOM	REMARKS GAS-OIL-WATER (THICKNESS OF PAY)
<u>Little Dunbar</u>			<u>1280</u>	<u>1258</u>	<u>Water 220-12 B Lvl.</u>
<u>Big "</u>			<u>1265</u>	<u>1305</u>	
<u>Blue sand</u>			<u>1520</u>	<u>1580</u>	<u>" 1520-2 " Lvl.</u>
<u>1st salt level</u>			<u>1650</u>	<u>1690</u>	
<u>2nd "</u>			<u>1770</u>	<u>1810</u>	
<u>Magnesian sand</u>			<u>1900</u>	<u>1980</u>	
<u>Little Leno</u>			<u>2000</u>	<u>2088</u>	
<u>Small Cove</u>			<u>2008</u>	<u>2015</u>	
<u>Big Leno</u>			<u>2015</u>	<u>2075</u>	<u>Was shown 2120 - 1/8" d 1" top</u>
<u>Big Canyon</u>			<u>2175</u>	<u>2190</u>	
<u>Top of sand</u>			<u>2630</u>	<u>2652</u>	<u>2631-24 - 8/10th 6 3/8"</u> <u>1/4 " 3"</u>
				<u>2655</u>	
				<u>2638</u>	
			<u>New Fly</u>	<u>17</u>	

FIRST PRESSURE TEST IN 6 5/8 CASING

REMARKS

30 Sec. 60 lbs.
 1 Min. 80 "
 2 " 120 "
 5 " 143 "
 10 " 157 "
 15 " 155 " 158
 30 " 162 " 180
 Rock Pressure 185 " in 24 hrs
 Taken Nov 10 1916
 By D. L. Long

WELL TUBED AND PACKED Oct 7 1925

VIZ:- Used 132 ft. 26.55 ft 3" Tubing (bed) 4 1/2 ft
1-6 5/8 x 3 A. N. Packers
10 ft. 140 ft. of Anchor

FIRST PRESSURE TEST IN _____ TUBING

REMARKS

30 Sec. 70 lbs.
 1 Min. 90 "
 2 " 98 "
 5 " 104 "
 10 " 109 "
 15 " 108 "
 30 " 116 "
 Rock Pressure 135 " in 14 hrs.
 Taken Dec 8 1916
 By D. L. Long

MATERIAL FOR THIS WELL RECEIVED FROM FOLLOWING SOURCES:

Well #4498 D.P. Lawrence

FORMATIONS

NAME	TOP	BOTTOM	OIL	GAS	WATER	REMARKS
Mud		20				
Lime & Shells	20	70				
Co. of Rock	70	130				
Lime	130	160				
Shale	160	200				
Lime	200	250				
Shale	250	290				
Sand	290	330				
Shale	330	360				
Lime	360	371				
Shale & Lime	370	480				
Lime	480	640				
Shale	640	650				
Lime	650	675				
Shale & Lime	675	775				
Coal	775	780				
Shale & Lime	780	880				
Coal	880	885				
Shale & Lime	885	940				
Sand	940	960				
Co. of Rock	960	1000				
Lime	1000	1050				
Shale	1050	1075				
Shells & Shale	1075	1150				
Lime	1150	1180				
Shale	1180	1280				
Little Dunkard	1280	1280				
Shale	1280	1265				
Big Dunkard	1265	1305				
Shale	1305	1325				
Sand	1325	1340				
Shale	1340	1320				
Sand	1320	1580			1035	
Shale	1580	1650				
1st Sect Sand	1650	1690				
Shale	1690	1700				
Sand	1700	1720				
Shale	1720	1770				
2nd Sect Sand	1770	1810				
Sand	1810	1860				
Shale	1860	1900				
Mason Sand	1900	1980				
Lime	1980	2008				
Block	2008	2015				
Lime	2015	2075				
Sand	2075	2190			2120 show	
Shale	2190	2100				
Shells	2100	2150				
Shale	2150	2200				
Shells	2200	2275				
Shale	2275	2320				
Shells	2325	2420				
Shale	2425	2500				
Sand	2500	2530				
Shale	2530	2550				
Shells	2550	2600				
Shale	2600	2630				
Sand	2630				2631	
Total Depth		2638				