

Company	PITTSBURGH E. W. VA. GAS CO.		
Address	CLARKSBURG, W. VA.		
Farm	J. E. LEGGETT		
Tract	Acres	Lease No.	182 7806
Well (Farm) No.	ONE	Serial No.	4619
Elevation (Spirit Level)	917'		
Quadrangle	HOLBROOK S. E. 24		
County	DODDRIDGE	District	SOUTHWEST
Engineer	James D. Jeffries		
Engineer's Registration No.	1084		
File No.	Drawing No.		
Date	DEC. 7, 1939. Scale 1"=500'		

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

WELL LOCATION MAP
FILE NO. DOD-436-A

WAS: 71748; on G26 map
+ 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.

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346

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL RECORD

Permit No. **436 A**

Oil or Gas Well **GAS**
(KIND)

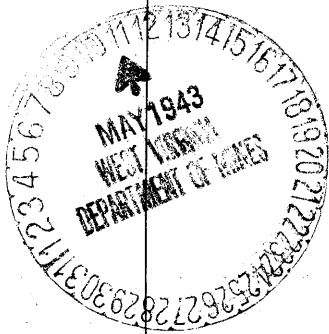
Company **Pittsburgh & West Va Gas Company.**
Address **Clarksburg, West Va.,**
Farm **J. E. Leggett** Acres **182**
Location (waters) **Holbrook S/E. 2-1**
Well No. **4619** Elev. **917'**
District **Southwest** County **Doddridge**
The surface of tract is owned in fee by **William Leggett**
Address **Auburn, West Va.,**
Mineral rights are owned by **Rosa Spurgeon & as Atty. etc.**
Hrs. J. E. Leggett Address **Burnt House, W. Va.,**
Drilling commenced **November 20, 1917**
Drilling completed **December 29, 1917**
Date Shot **1-7-1918** From **?** To **1829'**
With **10 Quarts - Nitro Glycerine.**

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			
16			Kind of Packer
13			
10	179'	None	Size of
8 1/4	900'	None	
6 1/2	1764'	1764'	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Da _____
COAL WAS ENCOUNTERED AT **300** FEET **48** INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate	White	Shelly	0	300			
Coal			300	304			
Slate	White	Shelly	304	400			
Lime	"	Hard	400	500			
Little Dunkard	"	"	500	550			
Slate	Red	Soft	550	880			
Big Dunkard	White	Hard	880	910			
Slate	Dark	Shelly	910	1100			
Gas Sand	White	Hard	1100	1290			
Slate	Dark	Soft	1290	1390			
1st. Salt Sand	White	Hard	1390	1410			
Slate	Dark	Soft	1410	1530			
2nd. Salt Sand	White	Hard	1530	1565			
Slate	Red	Soft	1565	1630			
Maxon Sand	White	Hard	1630	1710	Water	1650'	
Slate	Dark	Soft	1710	1713			
Little Lime	White	Hard	1713	1726			
Slate	Dark	Soft	1726	1751			
Big Lime	White	Hard	1751	1811			
Big Injun	"	"	1811	1903	Gas	1827'	
Slate	Dark	Shelly	1903	1990			
Berea Grit	White	Broken	1990	2020			
Slate	"	Shells	2020	2393			
Gordon Sand	"	Hard	2393	2405			
Slate	"	Soft	2405	2509			
Total Depth				2509			



FIRST PRESSURE TEST IN 6 5/8 CASING

REMARKS

30 Sec.	<u>40/10</u>	lbs.	<u>14/10 W 2"</u>	<u>Shot Jan 7-1918</u> <u>10 lb. Pot Shell 1829</u>
1 Min.	<u>60/10</u>	"		
2 "	<u>3</u>	"	<u>5-7</u>	
5 "	<u>10</u>	"		
10 "	<u>22</u>	"		
15 "	<u>27</u>	"	<u>48</u>	
30 "	<u>75</u>	"	<u>148</u>	
Rock Pressure		" in		
Taken	<u>Jan 8</u>		<u>1918</u>	
By				

WELL TUBED AND PACKED Jan 11 1918

VIZ: Used 90 ft. 1 1/2" ft. 2" Tubing
1- 6 5/8 W 2 Hook Wall Packer
3 ft. 35 ft. of Anchor

17 1/2
3 1/2
W

FIRST PRESSURE TEST IN 2" TUBING

REMARKS

30 Sec.	<u>10</u>	lbs.	<u>14/10 W 2"</u>	
1 Min.	<u>24</u>	"	<u>146 McF</u>	
2 "	<u>44</u>	"	<u>72</u>	
5 "	<u>105</u>	"		
10 "	<u>190</u>	"		
15 "	<u>257</u>	"	<u>305</u>	
30 "	<u>375</u>	"		
Rock Pressure	<u>560</u>	" in	<u>2 lvs.</u>	
Taken	<u>Jan 11</u>		<u>1918</u>	
By	<u>D. P. Looman</u>			

MATERIAL FOR THIS WELL RECEIVED FROM FOLLOWING SOURCES:

FORMATIONS
FORM: O 32-5170

Well # 4619 J. E. Leggett

NAME	TOP	BOTTOM	OIL	GAS	WATER	REMARKS
Slate		400				
Shale	400	500				
Little Dunkard	500	530				
Slate	530	880				
Big Dunkard	880	910				
Slate	910	1100				
Clay Sand	1100	1290				
Slate	1290	1390				
1st. Salt Sand	1390	1410				
Slate	1410	1530				
2nd Salt Sand	1530	1565				
Slate	1565	1630				
Masson Sand	1630	1910			1650	
Little Limestone	1713	1736				
Slate	1736	1757				
Big Limestone	1757	1811				
Big Limestone	1811	1903		1829		
Slate	1903	1990				
Sand	1990	2020				
Slate	2020	2393				
Gordon Sand	2393	2405				
Slate	2405	2509				
Total Depth		2509				