

Latitude 39 20

Longitude 80 45

L.R. CHARTER JR. ET AL.
356 ACRES - ROYALTY
L.S. BEE - SURFACE
95 ACRES

367 W
4.7 S
7.5' loc 1.988 391720
1.5' loc 4.865
1.3' W 80 47 30 2.74W

New Location
Drill Deeper
Abandonment X

Company PITTSBURGH & W.V. GAS CO.
 Address CLARKSBURG, W.V.A.
 Farm L. R. CHARTER
 Tract _____ Acres 356 Lease No. 7428
 Well (Farm) No. ONE Serial No. 1936
 Elevation (Spirit Level) 879' V.A.
 Quadrangle WEST UNION S.E. 34
 County DODDRIDGE District WEST UNION
 Engineer Paul W. Cunningham
 Engineer's Registration No. _____
 File No. V-98. P-21. Drawing No. _____
 Date JUNE 18, 1941. Scale 1" = 500'

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

WELL LOCATION MAP
FILE NO. DOD-367A
DOD, 317 71331

+ 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

397

WELL RECORD

Permit No. 367-A

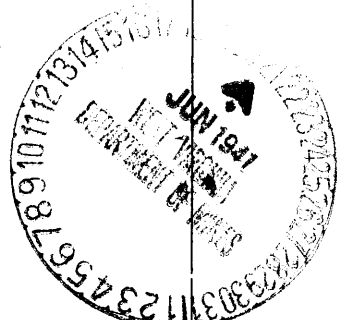
Oil or Gas Well Gas
(KIND)

Company Pittsburgh & West Va Gas Company.
Address Clarkeburg, West Va.,
Farm L. R. Charter Acres 356
Location (waters) West Union 3/2, 3-4
Well No. 1936 Elev. 879
District West Union County Dodderidge
The surface of tract is owned in fee by L. S. Bee
Address West Union, W. Va.,
Mineral rights are owned by L. R. Charter et al.
Address West Union, W. Va.,
Drilling commenced July 18, 1905.
Drilling completed September 15, 1905
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 and Tubing	Used in Drilling	Left in Well	Packers
Size			
16.			Kind of Packer
13.			
10.	<u>410'</u>	<u>410'</u>	Size of
8 1/4.	<u>1020'</u>	<u>1020'</u>	
6 5/8.	<u>1205'</u>	<u>1205'</u>	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 215 FEET 48 INCHES
495 FEET 60 INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay	Brown	Soft	0	14			
Red Rock	Red	Soft	14	100			
Lime	"	Hard	100	130			
Red Rock	"	Soft	130	190			
Lime	White	Hard	190	215			
Coal	Black	Soft	215	219			
Lime	White	Hard	219	240			
Red Rock	Red	Soft	240	315			
Sand	White	Hard	315	410			
Red Rock	Red		410	430			
Lime	White	Soft	430	480			
Slate	Black	Hard	480	495			
Fgh. Coal			495	500			
Lime	Dark	Hard	500	520			
Lime	White	Hard	520	560			
Sand	"	"	560	570			
Slate	"	Soft	590	620			
Red Rock	Red	"	620	640			
Lime	Dark	Hard	640	650			
Slate	Black	Soft	650	660			
Red Rock	Red	"	660	695			
Slate	White	"	695	725			
Lime	Black	Hard	725	731			
Slate	White	Soft	731	755			
Lime	"	Hard	755	765			
Sand	Dark	"	765	790			
Slate	White	Soft	790	795			
Sand	"	Hard	795	810			
Lime	Dark	"	810	825			
Red Rock	Red	Soft	825	865			
Lime	Soft	White	865	880			
Sand	Dark	Hard	880	890			
1st. Cow Run	Sand-White	"	890	908			
Slate	Black	Soft	908	935			
Red Rock	Red	"	935	941			
Lime	White	Hard	941	995			
2nd. Cow Run	Sand-White	"	995	1020			
Slate	Black	"	1020	1085			
Slate	Pink	"	1085	1100			
Slate	White	"	1100	1120			
Gas Sand	"	"	1120	1140			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate	Dark	Hard	1140	1170			
Sand	White	"	1170	1240			
Slate	Dark	Soft	1240	1285			
Lime&Sand	White	Hard	1285	1334			
Slate&Shells	Dark	"	1334	1355			
Salt Sand	Yellow	"	1355	1395	Water	1367'	
Slate	Black	Soft	1395	1410			
Slate-Shell	Dark	Hard	1410	1490			
Lime	Black	Hard	1490	1516			
Mass Sand	Dark	"	1516	1570			
Lime	Black	"	1570	1630			
Slate	"	Soft	1630	1680			
Slate&Shells	"	Hard	1680	1755			
Sand	White	"	1755	1790			
Big Lime	"	"	1790	1850			
Big Injen	"	"	1850	1920	Gas	1904'	
Slate&Shells	Black	"	1920	1985			
Slate-Lime Shells-Dark	"	"	1985	2100			
Sand	Dark	"	2100	2126			
Sand	"	"	2126	2180			
Slate	"	Soft	2180	2185			
Sand	"	Hard	2185	2215			
Slate	"	Soft	2215	2275			
Slate-Shell	"	"	2275	2480			
Shells	"	Hard	2480	2488			
Slate-Shell	Gray	Soft&Hard	2488	2700			
Lime Shells	Dark	Hard	2700	2825			
Slate	Gray	Soft	2825	2861			
Total Depth				2861'			

June 16, 1941.

Date _____, 1941
 PITTSBURGH & WEST VA GAS COMPANY.

APPROVED _____, Owner

By F. H. [Signature]
 (Title) m

Record of Well No. 1936 Located on L. R. Charter et al Farm 19
 District Central Doddridge County West Va State
 Division A District No. 14 Drilled under well Order 532
 Rig built by John Craig Began Sept 14 1920 Completed Sept 19-1920-604
 Well drilled by P. R. Hughes Began Feb 26 1913 Completed July 8 1925
 Depth of Well 2126 feet Size of Hole 6 5/8 Producing Gas
2964 " slw. 879"

CASED WITH			REMARKS
AMOUNT	SIZE	KIND	
16'	13 1/2"	Wood	
410'	10"	Iron	
1220'	8 1/4"	"	
1805'	6 5/8"	"	

COAL VEINS Native Coal 215' 219' Ogh? 495' 500'

FORMATIONS					
FORMATION	COLOR	OPEN OR CLOSE HARD OR SOFT	TOP	BOTTOM	REMARKS (GAS-OIL-WATER THICKNESS OF PAY)
<u>Little Sand</u>			<u>890</u>	<u>908</u>	
<u>Big "</u>			<u>1020</u>	<u>1035</u>	
<u>Mass Sand</u>			<u>1570</u>	<u>1590</u>	<u>Water 1361</u>
<u>Big Lime</u>			<u>1785</u>	<u>1850</u>	
<u>Big Limestone</u>			<u>1850</u>	<u>1920</u>	<u>Gas 1904</u>
<u>Other Dept</u>				<u>2126</u>	<u>Steel line Mar 29-1913</u> <u>No sand formation</u> <u>found below Big Limestone</u>

FIRST PRESSURE TEST IN 6 5/8 CASING

REMARKS

30 Sec.	15	lbs.	
1 Min.	35	"	
2 "	45	"	
5 "	65	"	5
	95	"	10
	130	"	15
30 "	225	"	47
Rock Pressure	380	" in	17 lbs.
Taken	Sept 12	1905	
By	Mar 31 - 1913 -	410 - 28 lbs.	

Cap 24 lbs. 6 5/8"
62 788 Cu. ft.

WELL TUBED AND PACKED April 9 1913

VIZ: Used 95 ft. 2 1/2" Tubing (New) Reclaimed
1-6 5/8" 43" Hard ball Packer

FIRST PRESSURE TEST IN 3" TUBING

REMARKS

30 Sec.		lbs.	
1 Min.		"	
2 1/2 "	5	4/10	"
5 "	20	"	1/2 1 2 3 4 5 10
10 "	45	"	4 10 14 19 25 29 35
15 "	65	"	3/4 Water 3" Open
30 "	190	"	
Rock Pressure	4	" in	May 31 - 1913 - 710"
Taken	April 9	1913	
By	B. Shinn		

Used 92 ft. 1965 ft. 3" Tubing
1-6 5/8" 43" Hard ball Packer
9 ft. 132 ft. of Anchor.

MATERIAL FOR THIS WELL RECEIVED FROM FOLLOWING SOURCES:

