

found on ^{CNG} prop map
 New Location Pine Grove
 Drill Deeper
 Abandonment

OCT 15 1946

0.06 & 239035'

Company Pittsburgh & W.Va. Gas Co
 Address Clarksburg W.Va.
 Farm A. T. MORRIS et ux
 Tract Acres 176 Lease No. 3793
 Well (Farm) No. 1 Serial No. 1745
 Elevation (Spirit Level) 1106' v.a.
 Quadrangle Littleton S.W. 13
 County Wetzel District Greene
 Engineer Albert M. Hunter
 Engineer's Registration No. _____
 File No. V-139/P-118 Drawing No. _____
 Date Sept. 27, 1946 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. WET-544-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.

Pine Grove 7 1/2'



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

1013

AP 44-A
Permit No. 44-A

WELL RECORD

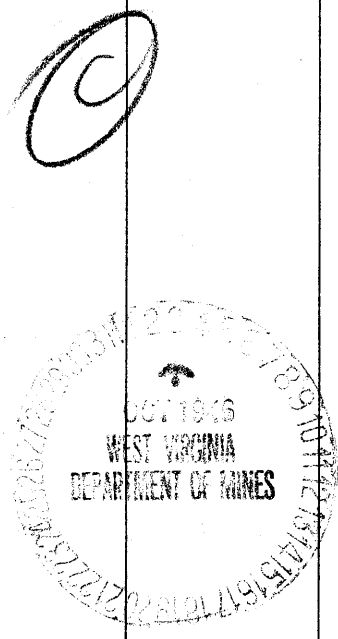
Oil or Gas Well "GAS"
(KIND)

Company Pittsburgh & West Va Gas Company.
Address Clarksburg, West Va.,
Farm A. T. Morris et ux. Acres 176
Location (waters) Littleton S/W. 1-3
Well No. 1745 Elev. 1106' VA
District Green County Wetzel
The surface of tract is owned in fee by Joe Fair
Address Reader, W.Va.
Mineral rights are owned by Mercantile Banking & Trust
Company. Address Moundsville, W.Va.
Drilling commenced June 16, 1902
Drilling completed August 4th, 1902
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			
16			Kind of Packer
13			
10	386'	386'	Size of
8 1/4	1396'	1396'	
6 1/2	2293'	2293'	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 880 FEET 60 INCHES
915 FEET 60 INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay		Soft	0	15			
Slate	Red	"	15	40			
Sand	"	"	40	60			
Slate	White	"	60	90			
Lime	"	Hard	90	130			
Slate	Red	Soft	130	190			
"	White	"	190	240			
Sand	"	"	240	300			
Lime	"	Hard	300	360			
Slate	"	Soft	360	410			
"	Red	"	410	430			
Sand	White	"	430	460			
Slate	"	"	460	500			
Lime	"	Hard	500	560			
Slate	Red	Soft	560	610			
Lime	"	Hard	610	640			
Sand	White	"	640	680			
Lime	Red	"	680	780			
"	White	"	780	840			
Sand	"	"	840	860			
Slate	"	Soft	860	880			
Pgh. Coal	Black	"	880	885			
Lime	White	Hard	885	915			
Coal/Slate	Black	"	915	920			
Lime	White	Hard	920	960			
Slate	"	Soft	960	980			
Lime	Red	Hard	980	1020			
Slate	"	Soft	1020	1060			
Lime	White	Hard	1060	1100			
Red Rock Cave	Red	Soft	1100	1180			
Lime	White	Hard	1180	1200			
Red Rock Cave	Red	Soft	1200	1230			
Sand	"	"	1230	1260			
Lime	Black	Hard	1260	1290			
Sand	Red	Soft	1290	1310			
Lime	Black	Hard	1310	1350			
Sand	"	"	1350	1360			
Slate	"	Soft	1360	1400			
Lime	White	Hard	1400	1430			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Big Dunkard	White	Hard	1410	1450			
Slate	"	Soft	1490	1490			
Sand	"	"	1490	1520			
Slate	Black	"	1520	1535			
Gas Sand	White	"	1535	1570			
Slate	Black	"	1570	1630			
Sand	White	Hard	1630	1660			
Slate	Black	Soft	1660	1710			
Salt Sand	White	"	1710	1800			
Slate	Black	"	1800	1880			
Sand	"	"	1880	1920			
Slate	"	"	1920	1990			
Massa Sand			1990	2020	Gas	1990'	
Line	Black	Hard	2020	2030			
Pencil Cove			2030	2040			
Blue Monday		Hard	2040	2060			
Big Line	White	"	2060	2110			
Big Injun	"	"	2110	2360	Gas	2175'	
Slate Shells	Dark	"	2360	2470			
Sand	Black		2470	2620			
Slate	White	Soft	2620	2710			
Slate Shells	Black	Hard	2710	2790			
Red Rock	Red	"	2790	2860			
Slate	White	Soft	2860	2937			
Gordon Stray	"	"	2937	2957	Gas	2953'	
Slate			2957	2962			
Gordon Sand			2962	2977	Gas	2967'	
Un-recorded			2977	2986			
Total Depth...				2986			

September 16th, 1946

Date _____, 194

PITTSBURGH & WEST VA GAS COMPANY.

APPROVED

W. C. Holst Owner

By

W. C. Holst

(Title)

Record of Well No. 1745 Located on A. J. Morris Farm May 1902
 Grant, District Wetzel County W. Va. State
 Division D District No. 12 Drilled under Well Order 199
 Rig built by John Craig Began May 21 1902 Completed June 10 1902
 Well drilled by J. P. Fiskell Began June 16 1902 Completed Aug. 4 1902
 Depth of Well 2986. feet Size of Hole 6 7/8" Producing Gas
 Elev: 11606

CASED WITH

REMARKS

AMOUNT	SIZE	KIND	REMARKS
395'	10"	New	
1396'	8 1/2"	1276 New 100 Old	
2293'	6 3/8"	New	
3003'	2"	"	Rec.
2923'	2"	Rec	
63'	3"	Rec.	

COAL VEINS Pgs. 880-883.

FORMATIONS

NAME	TOP	BOTTOM	OIL	GAS	WATER	REMARKS
Big Hard	1400	1460				
Big Sand	1530	1580				
Salt	1710	1760				
Mason	1983	1998		1990		
Big Lime	2058	2105				
Big Limestone	2110	2360		2175		
Golden Sand	2439	2457		2483		
Golden Sand	2467	2477		2464		

100 ft sand line and
 1 boiler left in hole
 May 27 1919
 Hole bridged at 2527.

30 Sec. lbs.
 1 Min. "
 2 " "
 5 " "
 10 " "
 15 " "
 30 " "
 Rock Pressure " in
 Taken 19
 By

June 1918 1.7 W1" 42,240 2664.8 hrs.

WELL TUBED AND PACKED. *Aug. 5* 1920.

VIZ:- 142 ft. 2923 ft. of 2"
 4 ft. 63 ft. of 3"
 1-6 3/8 X 3" Anchor Packers
 3 ft. 42 ft. of 3" anchor
 10 2" R.P.L. Reclaimed.

FIRST PRESSURE TEST IN 2" TUBING

30 Sec. 16 lbs.
 1 Min. 28 "
 2 " 40 "
 5 " 82 "
 10 " 138 "
 15 " 170 "
 30 " 210 "
 40 " 220 "
 Rock Pressure " in
 Taken *Aug. 5, 1920* 19
 By

REMARKS

MATERIAL FOR THIS WELL RECEIVED FROM FOLLOWING SOURCES:

Timbers from *A. J. Morris*
 Lumber from *Bernard Roderick*
 Irons from *Pkbg. Pig & Reel Co*
 Casing from *South Chester Tube Wks.*
 2935 ft. of 2" 63 ft. of 3"