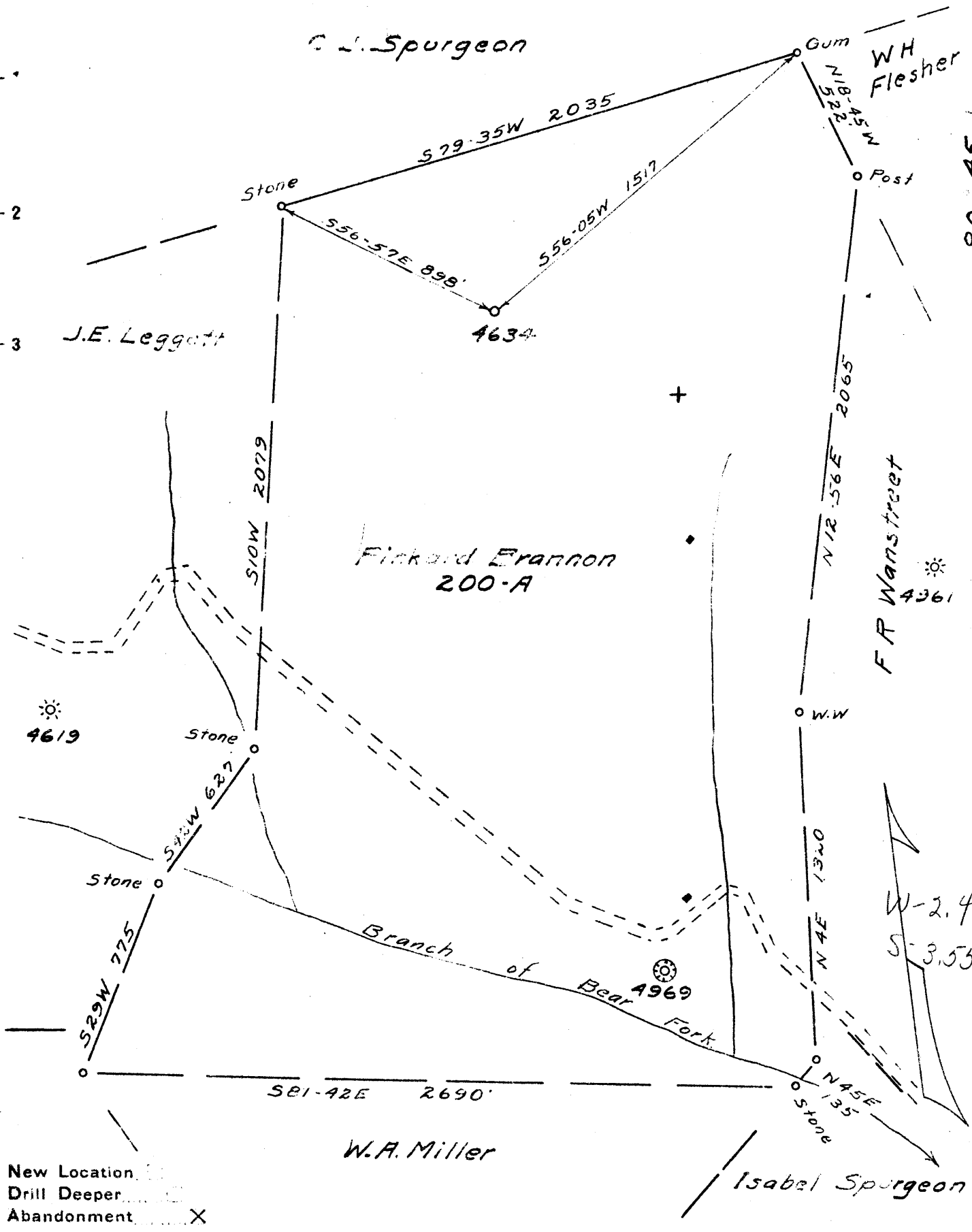


Latitude 39° 10'

Longitude 80° 45'



Company Pittsburgh & W. Va Gas Co.
 Address 628 Union Bldg, Clarksburg W. Va.
 Farm Pinkard Brannon
 Tract _____ Acres 200 Lease No. 7805
 Well (Farm) No. 1 Serial No. 4634
 Elevation (Spirit Level) 1150
 Quadrangle Holbrook #5. 2'
 County Doddridge District Southwest
 Engineer Paul W. Cunningham
 Engineer's Registration No. _____
 File No. _____ Drawing No. _____
 Date 12-7-39 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. DOD-305A

+ 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.

06-10
 Hillbush 56
 Blugging

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

247

WELL RECORD

Permit No. **Dod-305 A**

Oil or Gas Well **Gas**
 (Kind)

Company **Pittsburgh & West Va Gas Company.**

Address **Clarksburg, West Va.**

Farm **Pinkard Brannon** Acres **200**

Location (waters) **Hol. S.E. 2-1**

Well No. **4634** Elev **1150**

District **Southwest** County **Doddridge**

The surface of tract is owned in fee by **S. G. Greathouse**

Address **Auburn, W. Va.**

Mineral rights are owned by **S. G. Greathouse et al.**

Address **Auburn, W. Va.**

Drilling commenced **March 22nd, 1918.**

Drilling completed **April 18th, 1918.**

Date shot **4-20-1918** Depth of shot **2087'**

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.	276	Pulled	Size of
8 1/4	1025	1025'	
6 3/8	2006	2006	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 _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay	Yellow	Soft	0	20			
Red Rock	Red	"	20	80			
Slate	White	"	80	180			
Lime	"	Hard	180	255			
Red Rock	Red	Soft	255	405			
Lime	White	Hard	405	480			
Slate	"	Soft	480	530			
Lime	"	Hard	530	665			
Slate	"	Soft	665	690			
Lime	"	Hard	690	705			
Red Rock	Red	Soft	705	827			
Lime	White	Hard	827	869			
Slate-Shells	"	Hard&Soft	869	952			
Red Rock	Red	Soft	952	1022			
Lime	White	Hard	1022	1032			
Slate	"	Soft	1032	1093			
Sand	"	Hard	1093	1118			
Slate	Dark	Soft	1118	1175			
Lime	White	Hard	1175	1200			
Slate	"	Soft	1200	1360			
1st. Salt Sand	"	Hard	1360	1416			
Slate	Dark	Soft	1416	1450			
2nd. Salt Sand	White	Hard	1450	1493			
Slate	Dark	Soft	1493	1590			
3rd. Salt Sand	White	Hard	1590	1687			
Slate	Dark	Soft	1687	1796			
Sand	White	Hard	1796	1839			
Slate	"	Soft	1839	1900			
Sand-Lime	"	Hard	1900	1934			
Slate	Dark	Soft	1934	1948			
Lime	White	Hard	1948	1968			
Slate	"	Soft	1968	1990			
Big Lime	"	Hard	1990	2056			
Big Injun	"	"	2056	2149	Gas	2073'	
Slate	"	Soft	2149	2200	Gas	2077-82'	
Total Depth				2200			

Dry well?

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks

Date **November 30th, 1939**

Date....., 19.....

PITTSBURGH & WEST VA GAS CO.

APPROVED....., Owner

By.....

F. B. Sigden

(Title)

Record of Well No. 4634 Located on Richard Brown's Farm Jan 16
Southwest District Doddridge County West Va
 Division N. District No. _____ Drilled under well Order 1112
 Rig built by John Craig Began Feb 16 1918 Completed Feb 21 1918
 Well drilled by W. M. Conhart Began March 22 1918 Completed April 18 1918
 Depth of Well 2200 feet Size of Hole 6 5/8 Producing Gas
elev. 1150

CASED WITH			REMARKS
<u>Steel Line</u>	<u>10</u>	<u>12</u>	<u>Lease expires June 25-1920</u>
<u>277</u>	<u>8 1/2</u>	<u>50</u>	<u>Reckoned</u>
<u>1025'</u>	<u>6 5/8</u>	<u>98</u>	<u>266 rods in place</u>
<u>2006'</u>			<u>6 5/8 shoe 796 rods in place</u>

COAL VEINS

FORMATIONS					
FORMATION	COLOR	DEPTH OF CLONE BASE OR TOP	TOP	BOTTOM	REMARKS GAS-OIL-WATER (Thickness of part)
<u>St. Albans</u>			<u>1240</u>	<u>1416</u>	
<u>and "</u>			<u>1450</u>	<u>1493</u>	
<u>and "</u>			<u>1590</u>	<u>1687</u>	
<u>Little Lanes</u>			<u>1948</u>	<u>1968</u>	
<u>Big</u>			<u>1990</u>	<u>2006</u>	
<u>Big Lanes</u>			<u>2050</u>	<u>2149</u>	<u>Gas 2070-2075</u>
					<u>19/20 W. S.</u>
					<u>10 1/2"</u>

Abandoned
Drilled Jan 17-240

FORMATIONS
FORM: 032-5170

Well # 4634 C. Dawson

NAME	TOP	BOTTOM	OIL	GAS	WATER	REMARKS
Clay		20				
Red Rock	20	80				
Shale	80	180				
Lime	180	255				
Red Rock	255	405				
Lime	405	480				
Shale	480	530				
Lime	530	665				
Shale	665	690				
Lime	690	705				
Red Rock	705	827				
Lime	827	867				
Shale & Shells	867	952				
Lime	952	1022				
Shale	1022	1032				
Sand	1032	1073				
"	1073	1918				
Shale	1918	1175				
Lime	1175	1200				
Shale	1200	1360				
Sand	1360	1416				
Shale	1416	1450				
Sand	1460	1483				
Shale	1493	1570				
Sand	1590	1687				
Shale	1687	1796				
Sand	1796	1837				
Shale	1837	1900				
Sand & Lime	1900	1934				
Shale	1934	1948				
Lime	1948	1968				
Shale	1968	1990				
Lime	1990	2056				
Crystalline	2056	2149				
Shale	2149	2200				
Red Rock	2200					