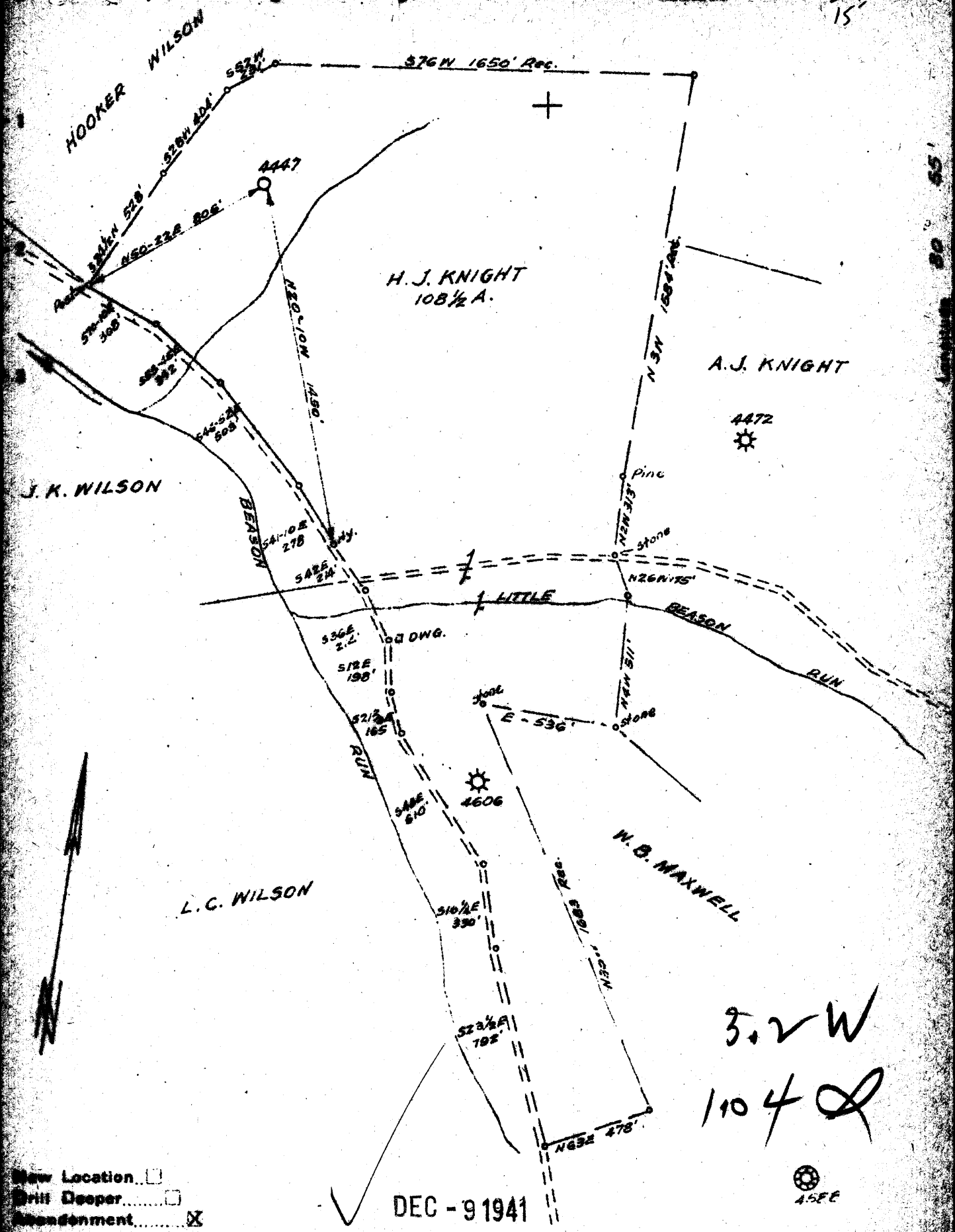


15



New Location
 Drill Deeper
 Abandonment

DEC - 9 1941

45 FE

Company PITTSBURGH & W.VA. GAS CO.
 Address CLARKSBURG, W.VA.
 Farm H. J. KNIGHT
 Tract _____ Acres 108 1/2 Lease No. 5891
 Well (Farm) No. ONE Serial No. 4447
 Elevation (Spirit Level) 914 VA.
 Quadrangle HOLBROOK N/W, 2 LE
 County RITCHIE District CLAY
 Engineer James D. Jeffries
 Engineer's Registration No. _____
 Map No. 78/88 Drawing No. _____

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

WELL LOCATION MAP
 FILE NO. Pit-566A

+ Denotes location of well on United States Topographic Maps, spots 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes gas tank space on border lines of section maps.

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

552

Ab 566-A

WELL RECORD

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

Permit No. _____

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

Address **Clarksburg, West Va.,**

Farm **H. J. Knight et al** Acres **100-1/2**

Location (waters) **Holbrook N/W. 1-1**

Well No. **4447** Elev. **914'VA**

District **Clay** County **Ritchie**

The surface of tract is owned in fee by **J. P. Knight**

R.P.D.S. Address **Pennsboro, West Va.,**

Mineral rights are owned by **Union Bank of Harrisville**

city-in-fee E.L. Knight Address **Harrisville, W.Va.,**

Drilling commenced **May 6th, 1916**

Drilling completed **May 25rd, 1916**

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 **80** feet _____ feet

Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10	212'	212'	Size of
8 1/4	1051'	1051'	
6 3/8	1770'	1770'	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 **378** FEET **36** INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Red Rock	Red	Soft	0	12			
Line	Grey	Medium	12	18			
Slate	White	Soft	18	32			
Slate-Shells	"	H.A.S.	32	75			
Sand		Soft	75	90	Water	80'	
Slate		"	90	140			
Red Rock	Red	"	140	175			
Sand	Grey	"	175	210			
Slate-Shells		H.A.S.	210	300			
Red Rock	Red	Soft	300	378			
Pgh. Coal			378	381			
Red Rock	Red	Soft	381	420			
Sand	Grey	Medium	420	450			
Slate-Shells	Dark	Soft&Hard	450	550			
Sand	Grey	Soft	550	610			
Red Rock	Red	"	610	625			
Slate-Shells	Dark	H&S	625	655			
Red Rock	Red	Soft	655	720			
Line	White	Hard	720	755			
Red Rock	Red	"	755	760			
Line	Grey	"	760	795			
Red Rock	Red	Soft	795	860			
Sand	Grey	Hard	860	935			
Red Rock	Red	H&S	935	1010			
Slate	Dark	Soft	1010	1045			
Slate	White	"	1045	1075			
Slate&Shell	Dark	H&S	1075	1085			
Slate	White	Hard	1085	1100			
Line	"	"	1100	1150			
Slate	Black	Soft	1150	1160			
Line	Blue	Hard	1160	1170			
Line	White	"	1170	1255			
Sand (Salt)	White	"	1255	1415			
Line	"	"	1415	1435			
Sand	Black	"	1435	1450			
Slate	White	"	1450	1490			
Line	"	"	1490	1540			
Slate	Black	Soft	1540	1565			
Sand	White	Hard	1565	1595			
Slate	Black	Soft	1595	1624			
Line	White	Hard	1624	1655			

(Over) DEC - 9 1941

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate	Black	Soft	1635	1645			
Sand	White	Hard	1645	1680			
Slate	Black	Soft	1680	1685			
Lime	White	Hard	1685	1693			
Maxon Sand	"	"	1693	1720	Gas	1695-98'	
Slate	Dark		1720	1730			
Little Lime			1730	1755			
Pencil Cave			1755	1760			
Big Lime			1760	1819	Sh. Oil	1760-61'	
Big Injun Sand	Wh.	Hard	1819	1926	Gas	1913-19'	
Slate	Dark		1926	1970			
Total Depth				1970'			

Date **May 9th, 1940.**, 19.....

APPROVED **PITTSBURGH & WEST VA GAS CO.**, Owner

By *[Signature]*
 (Title)

Record of Well No. 4447 Located on H. J. Knight et al Farm April 6 1916
Clay District Patchie County West Va State
 Division N. District No. 144 Drilled under well Order 490
National Drilling, Jeff. W. H. Hines April 28 - 31 May 7 - 1921
 Rig built by John Cray Began April 27 1916 Completed May 3 1916
Drilled deeper by John W. Hines May 25 1921 June 13 1921
 Well drilled by C. B. McCall Began May 6 1916 Completed May 23 1916
 Depth of Well 1703 feet Size of Hole 8 1/4 Producing Gas
1970 dev. 914

CASED WITH				REMARKS
AMOUNT	SIZE	KIND	Cost at	
				<u>Lease expires May 7 - 1923</u>
<u>210'</u>	<u>10"</u>	<u>Cast at</u>	<u>10</u>	
<u>1031'</u>	<u>8 1/2"</u>	<u>1023</u>	<u>49</u>	
<u>1770'</u>	<u>6 5/8"</u>	<u>Ord</u>	<u>87</u>	<u>6 5/8" Steel Casing shows out bottom</u>

COAL VEINS Sp. Coal 378
381

FORMATIONS					
FORMATION	COLOR	OPEN OR CLOSE HARD OR SOFT	TOP	BOTTOM	REMARKS GAS-OIL-WATER (THICKNESS OF PAY)
<u>W. Ball Sand</u>			<u>1305</u>	<u>1415</u>	<u>Water 160 - 18. Lv.</u>
<u>Chert Case</u>			<u>1618</u>		
<u>W. Ball Sand</u>			<u>1693</u>	<u>1720</u>	<u>Gas 1693 - 2 1/2' to 8 1/4"</u>
<u>Began drilling deeper at</u>			<u>1707</u>		<u>Steel Case</u>
<u>Yellow Sand</u>			<u>1730</u>	<u>1755</u>	
<u>Chert Case</u>			<u>1755</u>	<u>1760</u>	
<u>Big Lime</u>			<u>1760</u>	<u>1819</u>	<u>Oil show 1761 - 13' to 21"</u>
<u>Big Lime</u>			<u>1819</u>	<u>1926</u>	<u>Gas 1913 - 1919 - 4' to 21"</u>
<u>Plate Total Depth</u>				<u>1970</u>	

FIRST PRESSURE TEST IN		<u>6 5/8</u> CASING		REMARKS
30 Sec.	<u>1610</u>	lbs.	<u>4 1/2 x 1"</u>	
1 Min.	<u>1710</u>	"		
2 "	<u>1810</u>	"		
5 "	<u>2400</u>	"	<u>4 1/2</u>	
10 "	<u>2800</u>	"		
15 "	<u>3000</u>	"		
30 "	<u>33</u>	"		
60 "	<u>34</u>	"		
Rock Pressure	<u>35</u>	"	in <u>1 1/2</u> in.	
Taken	<u>June 13</u>		19 <u>31</u>	
By	<u>D. A. Quinn</u>			

WELL TUBED AND PACKED May 27 1916

VIZ:- Used 65 ft. 1316 ft. 3" Tubing
21 ft. 400 ft. 4" Tubing
1 - 8 1/4 x 4 Anchor Packer
3 ft. 24 ft. 4" Anchor Packings

FIRST PRESSURE TEST IN		<u>3"</u> TUBING		REMARKS
30 Sec.	<u>135</u>	lbs.		
1 Min.	<u>250</u>	"		
2 "	<u>365</u>	"	<u>450</u>	
"	<u>520</u>	"	<u>575</u>	
10 "	<u>600</u>	"		
15 "	<u>615</u>	"		
30 "	<u>640</u>	"		
Rock Pressure	<u>670</u>	"	in <u>1 1/2</u> in.	
Taken	<u>May 27</u>		19 <u>16</u>	
By	<u>L. N. Quinn</u>			

MATERIAL FOR THIS WELL RECEIVED FROM FOLLOWING SOURCES:

FORMATIONS
FORM: 032-5170

Well # 4447 N. J. Knight

NAME	TOP	BOTTOM	OIL	GAS	WATER	REMARKS
Red Rock		16				
Sand & shale	16	140				
Red Rock	140	175				
Sand	175	210				
Shale & shell	210	300				
Red Rock	300	378				
Red Rock	378	381				
Red Rock & shell	381	450				
Shale & shell	450	580				
Sand	580	610				
Red Rock	610	625				
Shale & shell	625	655				
Red Rock	655	720				
Sand	720	735				
Red Rock	735	760				
Gravelly lime	760	795				
Red Rock	795	860				
Sand	860	935				
Red Rock	935	1010				
Shale	1010	1045				
Shale	1045	1075				
Shale & shell	1075	1085				
Shale	1085	1100				
Sand	1100	1150				
Shale & lime	1150	1170				
Sand	1170	1265				
Sand	1265	1415				
Sand	1415	1435				
Sand	1435	1480				
Shale	1480	1490				
Sand	1490	1540				
Shale	1540	1565				
Sand	1565	1595				
Shale	1595	1624				
Sand	1624	1635				
Shale	1635	1645				
Sand	1645	1680				
Shale	1680	1685				
Sand	1685	1693				
Sand	1693			1695-1698		
Total Depth		1703				Steel line showed 1707
Mason sand	1692	1720				
Shale & rock	1720	1730				
Loam (R.)	1730	1755				(Light showing)
Gravel (D)	1755	1760				1761
Big Lime	1760	1819				
Big Sand (W. Hand)	1814	1926		1913-19		4 1/2 W 1" 6-13-31
Shale & shell	1926	1970				
Total Depth		1970				