

WEST VIRGINIA DEPARTMENT OF MINES
OIL AND GAS DIVISION

436

WELL RECORD

Permit No. AP-382-A

Oil or Gas Well Gas
(Kind)

Company Ismael H. Baron
Address Marietta, Ohio
Farm T. J. Broadwater Hrs. Acres.....
Location (waters) Map Loc. West Union S/W 4-3
Well No. 4565 Elev.....
District Clay County Hitchie
The surface of tract is owned in fee by.....
Address.....
Mineral rights are owned by R. J. Broadwater, Agt.
Address Toll Gate, W. Va.
Drilling commenced August 6th, 1917
Drilling completed September 4th, 1917
Date shot..... Depth of shot.....
Open Flow /10ths Water in..... Inch
20 /10ths Merc. in..... 2 Inch
Volume 786,720 Cu. Ft.
Rock Pressure 430 lbs. 14 hrs.
Oil..... bbls., 1st 24 hrs.
Fresh water..... feet
Salt water..... feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer.....
13 <u>Wood</u>	<u>16'</u>		
10	<u>303'</u>	<u>303'</u>	Size of.....
8 1/4	<u>920'</u>	<u>920'</u>	
6 5/8	<u>1650'</u>	<u>1650'</u>	Depth set.....
5 3/16			
3			Perf. top.....
2	<u>1860'</u>		Perf. bottom.....
Liners Used.....			Perf. top.....
			Perf. bottom.....

CASING CEMENTED..... SIZE..... No. FT..... Date

COAL WAS ENCOUNTERED AT 390 FEET 33 INCHES
..... FEET..... INCHES..... FEET..... INCHES
..... FEET..... INCHES..... FEET..... INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Clay	Grey	Soft	0	16			
Sand	White	Hard	16	30			
Lime	White	Hard	50	75			
Sand	White	Hard	75	100			
Slate	Red	Soft	100	115			
Sand	White	Hard	115	145			
Slate	Dark	Soft	145	175			
Lime	White	Hard	175	200			
Slate	Red	Soft	200	240	Water	240'	20 Bailers Hr.
Lime	Red	Hard	240	245			
Slate	Red	Soft	245	270			
Slate	White	Soft	270	320			
Lime	White	Hard	320	340			
Slate	Red	Soft	340	345			
Slate	White	Soft	345	375			
Lime	White	Hard	375	390			
Pgh. Coal	Black	Soft	390	393			
Lime	Dark	Hard	393	435			
Slate	Light	Soft	435	445			
Sand	Light	Hard	445	470			
Slate	Light	Soft	470	495			
Sand	White	Hard	495	505			
Slate	Red	Soft	505	540			
Sand	White	Hard	540	560			
Slate	Red	Soft	560	570			
Slate	Light	Soft	570	590			
Slate	Red	Soft	590	600			
Lime	Light	Hard	600	625			
Slate	Red	Soft	625	645			
Lime	White	Hard	645	660			
Slate	Red	Soft	660	675			
Sand	White	Hard	675	710			
Slate	Black	Soft	710	730			
Slate	Red	Soft	730	745			
Slate Shells	Red	Hard&Soft	745	790			
Sand	Dark	Hard	790	800			
Slate	Dark	Soft	800	830			
Lime	Dark	Hard	830	890			
Slate	Black	Soft	890	920			
Sand	White	Hard	920	950			
Slate Shells	Light	Soft&Hard	950	1025			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand	White	Hard	1035	1060			
Slate & Shells	Light	Soft	1060	1135			
Sand	White	Hard	1135	1240			
Slate & Shells	Dark	Soft	1240	1300			
Sand	Light	Hard	1300	1350			
Slate	Black	Soft	1350	1410			
Sand	Light	Hard	1410	1450			
Slate & Shells	Light	Soft	1450	1475			
Lime	Dark	Hard	1475	1535			
Slate & Shells	Dark	Soft	1535	1595			
Little Lime	Light	Hard	1595	1615			
Slate	Dark	Soft	1615	1640			
Big Lime	White	Hard	1640	1695			
Big Injun	White	Hard	1695	1817	Gas	1709' - 14'	
Slate			1817	1860			
Total Depth	- - - - -	- - - - -	- - - - -	- - - - -			

Date Nov. 28, 1938

APPROVED Jacobs H. Beeson, Owner

By.....
(Title)

COMPANY

FORM 620-14223

Record of Well No. 4563 Located on A. J. Proakwater No. 5 Farm Mar 8 19 17
Clay District Pitchie County West Va State
 Division A District No. 14 Drilled under well Order 827
 Rig built by John Craig Began July 23 19 17 Completed July 27 19 17
 Well drilled by R. W. McCall Began Aug 6 19 17 Completed Sept 4 19 17
 Depth of Well 1860 feet Size of Hole 6 5/8 Producing Gas

CASED WITH				REMARKS
AMOUNT	SIZE	KIND	ft	
		<u>cast</u>	<u>86</u>	<u>Permit # 30382</u>
<u>303'</u>	<u>10</u>	<u>303</u>	<u>15</u>	
<u>920'</u>	<u>8 1/4</u>	<u>920</u>	<u>46</u>	
<u>1650'</u>	<u>6 5/8</u>	<u>1650</u>	<u>82</u>	<u>B. A. Packer</u>

COAL VEIN Sp. Coal ³⁹⁰ ₃₉₅

FORMATIONS					
FORMATION	COLOR	OPEN OR CLOSE HARD OR SOFT	TOP	BOTTOM	REMARKS GAS-OIL-WATER (THICKNESS OF PAY)
<u>Little Cumberland</u>			<u>675</u>	<u>710</u>	
<u>Big</u>			<u>790</u>	<u>800</u>	
<u>Ches. Sayd</u>			<u>920</u>	<u>950</u>	
<u>1st Salt Sand</u>			<u>1135</u>	<u>1240</u>	
<u>2nd Salt Sand</u>			<u>1300</u>	<u>1300</u>	
<u>3rd Salt Sand</u>			<u>1450</u>	<u>1475</u>	
<u>Yellow Pine</u>			<u>1595</u>	<u>1615</u>	
<u>Big Pine</u>			<u>1630</u>	<u>1696</u>	
<u>Big Pine</u>			<u>1696</u>	<u>1819</u>	<u>Gas 1708-13 - 3/10 26 5/8</u> <u>17/10 2</u>
<u>Sold to Burn</u> <u>I plugged 12-10-58</u>					

FIRST PRESSURE TEST IN <u>6 5/8</u> CASING			REMARKS
30 Sec.	<u>5</u>	lbs. <u>7/10 M 2"</u>	
1 Min.	<u>10</u>	" "	
2 "	<u>20</u>	" <u>30/45</u>	
5 "	<u>55</u>	" "	
10 "	<u>95</u>	" "	
15 "	<u>120</u>	" <u>155</u>	
30 "	<u>190</u>	" "	
Rock Pressure		" in	
Taken	<u>Sept 5</u>	19 <u>17</u>	
By	<u>A. B. Sellers</u>		

WELL TUBED AND PACKED Sept 5 1917
 VIZ: Used 90 ft 1 7/8 in 2" Tubing
1-6 5/8 in 2" Anchor Packers called 16 2 1/2
11 ft. 2 1/4 ft. Anchor Exp. m. 2 5/8

FIRST PRESSURE TEST IN <u>2</u> TUBING			REMARKS
30 Sec.	<u>90</u>	lbs. <u>20/10 M 2"</u>	
1 Min.	<u>90</u>	" "	
2 "	<u>120</u>	" <u>140</u>	
5 "	<u>160</u>	" <u>150</u>	
10 "	<u>195</u>	" "	
15 "	<u>215</u>	" <u>230</u>	
30 "	<u>250</u>	" <u>295</u>	
Rock Pressure	<u>420</u>	" in <u>1 1/2 in</u>	
Taken	<u>Sept 5</u>	19 <u>17</u>	
By			

MATERIAL FOR THIS WELL RECEIVED FROM FOLLOWING SOURCES:

FORMATIONS
FORM: 032-5170

Well # 4563 P.J. Broadwater

NAME	TOP	BOTTOM	OIL	GAS	WATER	REMARKS
Clay		16				
Sand	16	50				
Shale	50	75				
Sand	75	100				
Shale	100	115				
Sand	115	145				
Shale + Lime	145	390				
Sh. Coal	390	398				
Lime + Shale	398	445				
Sand	445	470				
Shale	470	495				
Sand	495	505				
Shale	505	540				
Sand	540	560				
Shale + Lime	560	675				
Sand	675	710				
Shale	710	790				
Sand	790	800				
Shale + Lime	800	920				
Sand	920	930				
Shale + Shell	930	1025				
Sand	1025	1060				
Shale + Shell	1060	1135				
Sand	1135	1240				
Shale + Shell	1240	1300				
Sand	1300	1350				
Shale	1350	1410				
Sand	1410	1450				
Shale + Shell	1450	1575				
Little Lime	1575	1615				
Crucial Core	1615	1640				
Big Lime	1640	1696				
Chert	1696	1817		1709-1714		
Shale + Shell	1817	1860				
Total Depth		1860				