

- Fracture....  2-8-65
- Redrill.....
- New Location.
- Drill Deeper.....
- Abandonment.....

Source of Elevation WELL 4708 S.W. ELEV. 1103'

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Minimum accuracy, one part in 200

Company	EQUITABLE GAS CO. W.VA. DIV.		
Address	CLARKSBURG, W.VA.		
Farm	W. J. HICKMAN		
Tract	Acres	Lease No.	
	28	16666	
Well (Farm) No.	1	Serial P.O.	4703
Elevation (Spirit Level)	1068'		
Quadrangle	HOLBROOK NE 4 <sup>th</sup> EC		
County	DODDRIDGE	District	COVE
Engineer	<i>Samuel Jeffers</i>		
Engineer's Registration No.	1084		
File No.	D-16/82	Drawing No.	
Date	7-13-44	Scale	1" = 300'

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

**WELL LOCATION MAP**  
 FILE NO. Dod-2-Frac.

+ 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.

66133

Separate Folder



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 HYDRAFRAC  
 WELL RECORD

Rotary   
 Spudder   
 Cable Tools   
 Storage  Gas  
 Oil or Gas Well Oil  
 (KIND)

Quadrangle Holbrook NE 4.C  
 Permit No. DOD-2-FRAC  
 Company Equitable Gas Company  
 Address 420 Blvd. of the Allies, Pgh., Pa. 15219  
 Farm W. J. Hickman Acres 28  
 Location (waters) Holbrook NE 4.C  
 Well No. P.O. 4703 Elev. 1,068  
 District Cove County Doddridge  
 The surface of tract is owned in fee by Jessie Williams  
 Address Auburn, W. Va.  
 Mineral rights are owned by Jessie Williams  
 Address Auburn, W. Va.  
 Repair Drilling commenced 5-4-65  
 Repair Drilling completed 9-22-65  
 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.  
 WELL ACIDIZED \_\_\_\_\_  
 WELL FRACTURED 7-20-65

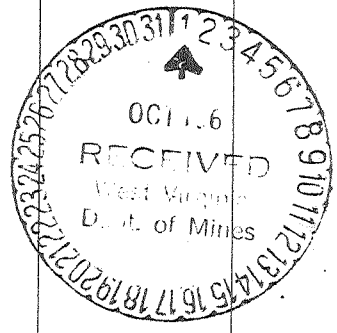
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
18			<u>None</u>
10	<u>188</u>	<u>188</u>	Size of
8 1/4	<u>955</u>	<u>955</u>	Depth set
6 3/4		<u>1988</u>	Perf. top <u>1988</u>
5 3/16			Perf. bottom
3		<u>2010</u>	Perf. top
2			Perf. bottom
Liners Used			

CASING CEMENTED 5-3/16 SIZE 300 No. Ft. \_\_\_\_\_ Date 1988 to 1688  
 COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

RESULT AFTER TREATMENT 420 bbls. oil - 18 hrs. - 100 MCF gas  
 ROCK PRESSURE AFTER TREATMENT 260 lbs. - 45 minutes  
 Fresh Water \_\_\_\_\_ Feet Salt Water \_\_\_\_\_ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand			900	936			
Salt Sand			1220	1243			
" "			1298	1332			
" "			1596	1614	Gas	1607	Temperature
Maxton Sand			1696	1748	Show-Gas	1716-25	"
Little Lime			-1858	1875			
Big Lime			-1884	1944	Show-Gas	1967-74	Temperature
Big Injun Sand			1946	2028	Gas & Oil	2020	"
Cleaned Out to				2093			
Stone & Clay			2093	2040			
Cal Seal			2040	2027			
Savings			2027	2025			
Completed Total Depth				2025			

NOTE: Well fraced on 7-20-65  
 Log shown from Gamma Ray Survey



COMPANY

FORM: G39-14263

Record of Well No. 4703 Located on W. J. Nickman Farm Dec/20 1918  
Cove District Dodbridge County West Va State  
 Division A District No. \_\_\_\_\_ Drilled under well Order 1357  
 Rig built by John Craig Began March 25 1919 Completed March 29 1919  
 Well drilled by W. M. Carhart Began April 11 1919 Completed March 7 1919  
 Depth of Well 2093 feet Size of Hole 6 5/8 Producing Gas  
 (Look in remarks) Elev: 1068

CASED WITH			REMARKS
THICKNESS	SIZE	KIND	
<u>Steel case</u>		<u>Joints</u>	<u>Lease expires Sept 1-1920</u>
<u>188'</u>	<u>10</u>	<u>11</u>	
<u>955'</u>	<u>8 1/4</u>	<u>47</u>	
<u>1896'</u>	<u>6 5/8</u>	<u>91</u>	<u>B. H. Cocker Reclaimed 1815 ft.</u>

COAL VEINS

FORMATIONS

FORMATION	COLOR	OPEN OR CLOSE HARD OR SOFT	TOP	BOTTOM	REMARKS GAS-OIL-WATER (THICKNESS OF PAY)
<u>Big Sandstone</u>			<u>910</u>	<u>940</u>	<u>Water 60-4 B. L.</u>
<u>St. Paul sand</u>			<u>1240</u>	<u>1275</u>	
<u>and salt sand</u>			<u>1490</u>	<u>1560</u>	
<u>and "</u>			<u>1570</u>	<u>1636</u>	<u>Gas 1604-05 - 7/16" 1" opening</u>
<u>Masson sand</u>			<u>1684</u>	<u>1752</u>	<u>" 1612-12 - 7/16" 1" "</u>
<u>Little Limestone</u>			<u>1845</u>	<u>1860</u>	<u>" 1700-02 - "</u>
<u>Big "</u>			<u>1882</u>	<u>1945</u>	<u>" 1741-48 - 3/16" 2" opening</u>
<u>Big gypsum</u>			<u>1945</u>	<u>2035</u>	<u>15/16" 2" opening</u>
					<u>163 M.C.</u>
					<u>Hole bridged at 1460ft</u>
					<u>Filled to 1930"</u>
					<u>M. R. Plug 1930"</u>
					<u>Filled to 1915</u>
					<u>and then cleaned out to 1770ft</u>

FIRST PRESSURE TEST IN \_\_\_\_\_ CASING

REMARKS

30 Sec. \_\_\_\_\_ lbs.

1 Min. \_\_\_\_\_ "

2 " \_\_\_\_\_ "

5 " \_\_\_\_\_ "

10 " \_\_\_\_\_ "

15 " \_\_\_\_\_ "

30 " \_\_\_\_\_ "

Rock Pressure \_\_\_\_\_ " in \_\_\_\_\_

Taken \_\_\_\_\_ 19 \_\_\_\_\_

By \_\_\_\_\_

WELL TUBED AND PACKED May 19 1919

VIZ:— Used 86 ft. 1 7/8" Tubing (New)  
1-8' 1/4" 5" A. W. Parker  
12 ft. 2 1/2" of Anchor

FIRST PRESSURE TEST IN 3" TUBING

REMARKS

30 Sec. 3 lbs. 3/10 W 3"

1 Min. 8 "

2 " 15 " 207

5 " 45 " 25

10 " 80 "

15 " 115 " 145

30 " 195 " 280

Rock Pressure 375 " in 16 Ins.

Taken May 20 1919

By \_\_\_\_\_

MATERIAL FOR THIS WELL RECEIVED FROM FOLLOWING SOURCES:

Well 4903 W. J. Nickman

NAME	TOP	BOTTOM	OIL	GAS	WATER	REMARKS
Slates Lime		800				
Big Ombord	800	910				
Sand	910	940				
Slate	940	1240				
1st. Salt Sand	1240	1275				
Slate	1275	1490				
2nd. Salt Sand	1490	1560				
Slate & Shell	1560	1590				
Sand	1590	1636		1604-10-12		
Slate	1636	1684				
Sand	1684	1752		1700-1702		
Slate	1752	1845		1741-1748		
Little Lime	1845	1860				
Slate	1860	1882				
Big Lime	1882	1945				
Big Iron Sand	1945	2035				
Slate	2035	2093	2020			
Total Depth		2093				