

Company Equitable Gas Co. W.Va Div  
 Address Pittsburgh, Pa.  
 Farm Elva R. King, et al  
 Tract Acres 73 Lease No. 25421  
 Well (Farm) No. 6 Serial No. 5445  
 Elevation (Spirit Level) 1155  
 Quadrangle Littleton SE 23  
 County Wetzel District Grant  
 Engineer James D. Phipps  
 Engineer's Registration No. 1084  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 7-18-61 Scale 1" = 400'

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

**WELL LOCATION MAP**  
 FILE NO. WET-509-Redrill

+ 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.

9-0 45-





STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 14  
REDRILL  
**WELL RECORD**

Quadrangle Littleton SE 2.3

Permit No. WET-509-R

Oil or Gas Well Gas Storage  
(KIND)

Company Equitable Gas Company  
Address 120 Blvd. of the Allies, Pgh. 19, Pa.  
Farm E. R. King Acres 73  
Location (waters) Littleton SE 2.3  
Well No. 5445 Elev. 1155  
District Grant County Wetzel  
The surface of tract is owned in fee by J. H. Higginbotham  
Address Big Run, West Va.  
Mineral rights are owned by J. H. Higginbotham, Agent  
Address Big Run, West Va.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			None
13			Size of
10	339	339	Depth set
8 1/4	961-New 386-Old	961-New 386-Old	Perf. top
6 1/4	1238-New 782-Old	1238-New 782-Old	Perf. bottom
5 3/16	1321-New 579-Old	1321-New 579-Old	Perf. top
4		2317	Perf. bottom
2			
Liners Used			

Redrilling commenced 8-2-61  
Redrilling completed 1-3-63  
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 --

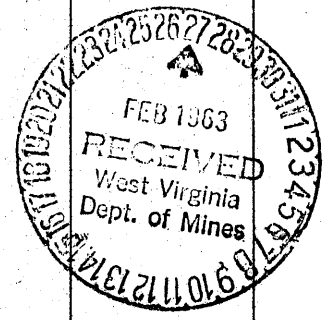
CASING CEMENTED	SIZE	No. Ft.	Date
COAL WAS ENCOUNTERED AT			
		FEET	INCHES
	FEET	INCHES	FEET
	FEET	INCHES	FEET
	FEET	INCHES	FEET

RESULT AFTER TREATMENT --

ROCK PRESSURE AFTER TREATMENT --

Fresh Water -- Feet Salt Water -- Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
✓ Pittsburgh Coal			855	861			Driller
Murphy Sand			990	1045			
L. Dunkard Sand			1225	1250			
B. Dunkard Sand			1305	1313			
Gas Sand			1484	1535			
Salt Sand			1593	1680			
Salt Sand			1722	1865			
Maxton Sand			2007	2020			
Big Lime			2035	2085			
Big Injun Sand			2094	2310			
Redrilled to				2661'			
Cemented back outside 4" to				2050'			
Cemented back inside 4" to				2295'			
Completed Total Depth				2295'			



NOTE: 10" cemented to surface.

Cement around new 8 1/4" from 961' to 200' est. Aquagel 200' to surface. 386' old 8 1/4" from 961' to 1347'. Cavings around old 8 1/4".

Aquagel around new 6-5/8" to surface. 782' old 6-5/8" from 1284' to 2066'. Cavings around old 6-5/8"

Aquagel around new 5-3/16" to surface. 579' old 5-3/16" from 2014' to 2593'. Cavings around old 5-3/16"

Cement from 2664' to 2295' inside 4" tubing and to 2050' outside 4" tubing with Aquagel from 2050' to surface.

2035  
1000  
800

Formation	Color	Hard or Soft	Top /4	Bottom	Oil, Gas or Water	Depth Found	Remarks
<p>4" and 5-3/16" perforated at 2100'.</p> <p>Well located in Mobley Gas Storage Pool Area.</p> <p>Log shown from Gamma Ray Survey except where noted.</p>							

Date \_\_\_\_\_, 19\_\_\_\_

APPROVED Equitable Gas Company, Owner

By \_\_\_\_\_  
 (Title)  
 Vice President and Chief System Geologist



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

1173

AP 647-A

WELL RECORD

Permit No. \_\_\_\_\_ Oil or Gas Well Gas  
(KIND)

Company Dunn-Mar Oil and Gas Co.  
Address Raynesburg, Pa  
Farm Isaac Higginbotham Acres 92 1/2  
Location (waters) \_\_\_\_\_  
Well No. One (1) Elev. 1155'  
District Grant County Wetzel  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_  
Drilling commenced December 23, 1918  
Drilling completed August 4, 1919  
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			Kind of Packer
16			
13			<u>W. &amp; A.</u>
10	<u>348' 9"</u>	<u>Left</u>	Size of <u>2 x 5</u>
8 1/4	<u>1347' 6"</u>	<u>696'</u>	
6 1/2	<u>2066'</u>	<u>Left</u>	Depth set <u>2905'</u>
5 3/16	<u>2592' 2"</u>	<u>Left</u>	
3			Perf. top
2	<u>3248' 9"</u>	<u>Left</u>	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_

COAL WAS ENCOUNTERED AT 855' FEET 72 INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
<b>Pgh. Coal</b>			<b>855'</b>	<b>861'</b>	<b>Gas</b>	<b>992'</b>	
<b>Murphy Sand</b>			<b>965'</b>	<b>1019'</b>			
<b>L. Dunkard Sand</b>			<b>1220'</b>	<b>1240'</b>			
<b>B. Dunkard Sand</b>			<b>1315'</b>	<b>1348'</b>			
<b>1st Salt Sand</b>			<b>1597'</b>	<b>1690'</b>	<b>Water</b>	<b>1680'</b>	
<b>2nd Salt Sand</b>			<b>1739'</b>	<b>1883'</b>	<b>Water</b>	<b>1759'</b>	
<b>Little Lime</b>			<b>2027'</b>	<b>2041'</b>			
<b>Big Lime</b>			<b>2043'</b>	<b>2101'</b>			
<b>Injun Sand</b>			<b>2101'</b>	<b>2285'</b>	<b>Gas</b>	<b>2114'</b>	
<b>Squaw Sand</b>			<b>2287'</b>	<b>2307'</b>	<b>Gas</b>	<b>2127'</b>	
<b>Berea Sand</b>			<b>2558'</b>	<b>2572'</b>	<b>Gas</b>	<b>2194'</b>	
<b>30 Foot Sand</b>			<b>2870'</b>	<b>2879'</b>	<b>Gas</b>	<b>2571'</b>	
<b>Stray Sand</b>			<b>2893'</b>	<b>2927'</b>			
<b>Gordon Sand</b>			<b>2969'</b>	<b>2988'</b>	<b>Gas</b>	<b>2969'</b>	
<b>Fourth Sand</b>			<b>3035'</b>	<b>3040'</b>	<b>Gas</b>	<b>2973'</b>	
<b>Bayard Sand</b>			<b>3214'</b>	<b>3219'</b>	<b>Gas</b>	<b>3215'</b>	
<b>Total Depth</b>				<b>3243'</b>	<b>Gas</b>	<b>3217'</b>	

