

- Redrill.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

Company EQUITABLE GAS CO., W. VA. DIV.
 Address CLARKSBURG, W. VA.
 Farm S. I. ROBINSON
 Tract 90 1/8 ac. Acres 192 Lease No. 2836
 Well (Farm) No. _____ Serial No. 5433
 Elevation (Spirit Level) AS SHOWN 45430
 Quadrangle LITTLETON S.E. 14 EC
 County WETZEL District GRANT
 Engineer J. D. JEFFRIES
 Engineer's Registration No. 1084
 File No. _____ Drawing No. _____
 Date DEC. 13, 1960 Scale 1" = 500'

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

WELL LOCATION MAP

FILE NO. ~~Wet-493-R #5430~~
~~Wet-496-R #5433~~

+ 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.

~~# 493-R~~
 9-0 45

3071

PLANNING & ENGINEERING
LAWYER: ZACH... S.I. ROBINSON...
COUNTY: GRANT... TOWN: BETHEL...
SUBDIVISION: LITTLETON, A.E. #1... DATE: AUGUST 5, 1955...
BY: R.S. STREWS



I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS MAP IS CORRECT AND SHOWS ALL THE INFORMATION TO THE BEST OF MY KNOWLEDGE AND BELIEF, REQUIRED BY THE OIL AND GAS SECTION OF THE MINES LAWS OF THE STATE OF MONTANA.

39°37'30"

Latitude

Longitude

2.56
1.43

Topo Location

7.5' Loc. _____ 15' Loc. _____
(calc.) _____

Company Pitts + WV Gas Co.

Farm SI Robinson #1737

15' Quad _____
(sec.)

7.5' Quad Big Run

District GRANT

WELL LOCATION PLAT

County 103 Permit 30171
103-496



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 14

Quadrangle Littleton SE 1.4

Permit No. WET-496-R

WELL RECORD
REDRILL

Oil or Gas Well Gas Storage
(KIND)

Company Equitable Gas Company
Address 420 Blvd. of the Allies, Pgh. 19, Pa.
Farm S. I. Robinson Acres 192
Location (waters) Littleton SE 1.4
Well No. 5433 Elev. 844
District Grant County Wetzel
The surface of tract is owned in fee by E. R. Rice, Big Run
W. Va. & New Martinsville Grocery Company, address New Martinsville, W. Va.
Mineral rights are owned by See below

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			None
13			Size of
10	246	246	Depth set
6 3/4	906-New 206-Old	1112	
5 3/16	1191-New 544-Old	1735	
3	1783	1783	
2			
Liners Used			

Drilling commenced February 9, 1961
Drilling completed November 16, 1961
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 _____

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

RESULT AFTER TREATMENT

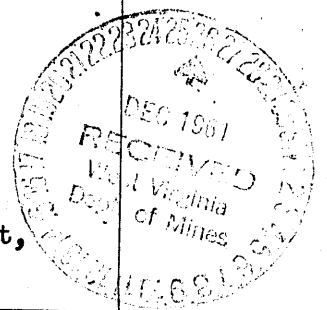
ROCK PRESSURE AFTER TREATMENT

Fresh Water _____ Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Pgh. Coal			520	529			Driller
Murphy Sand			645	710			
Big Dunkard Sand			994	1018			
Gas Sand U			1109	1118			
Gas Sand L			1133	1194			
Salt Sand			1254	1280	1734		
Salt Sand			1327	1382	844		
Salt Sand			1401	1498	790		
Salt Sand			1534	1540			
Salt Sand			1550	1561			
Maxton Sand			1680	1686			
Maxton Sand			1693	1707			
Big Lime			1734	1771			
Big Injun Sand			1779	1837			
Big Injun Sand			1848	2000	Gas Show	1790-92	Driller
					Gas	1796	Driller
					Gas	1802	Driller
					Gas	1890	Driller
Berea Sand			2333	2378			
Redrilled to				2541			
Cemented back to				1839			
Completed Total Depth				1839			

Note: Mineral Rights Owners:

- H. B. Cox, Owensboro, Kentucky
- C. W. Cox, Smithfield, W. Va.
- B. B. Kelly, Agent, 230 E. 48th Street, New York 17, N. Y.
- M. Shiben, and Estate of J. Shiben by P. J. Shiben, Atty, in fact, New Martinsville, W. Va.



Formation	Color	Hard or Soft	Top 14	Bottom	Oil, Gas or Water	Depth Found	Remarks
<p>Log shown from Gamma Ray Survey except where noted. Well located in Mobley Gas Storage Pool Area.</p>							
<p>Red clay around 10" to surface. 8-1/4" cemented from 906' to surface. 6-5/8" cemented from 1191' to surface. 5-3/16" cemented from 1983' to 1150', with aquagel from 1150' to surface.</p>							

WET-171-A

Grant District, Wetzel County, W. Va.

Pittsburgh & W. Va. Gas Co., Clarksburg, W. Va.

On 192 acres, surface owned by H. M. Byard, Smithfield, W. Va., and mineral rights by Frank W. Cox and Frank W. Cox, Atty.-in-fact for Florence and S. T. Cox, Owensboro, Daviess Co., Ky., and Joseph Shiben, New Martinsville, W. Va.

Well completed Aug. 4, 1902.

Elevation, 844' L.

13" conductor, 16'; 10" casing, 234'; 8 1/2", 1130'; 6-5/8", 1750';
5-3/16", 1810' (reclaimed).

Coal was encountered at 530-540, 1055-1060, 1240-1245'.

Abandonment reported to Dept. of Mines Aug. 6, 1935.

Located, May, 1902; began drg. 6-20-1902; comp. drg. Aug. 4, 1902.

Fresh water at 48-61'. (51'?)

Well was not shot.

Gas well.

	Top.	Bottom.
Gravel, open	0	16
Slate, white, open	16	36
Sand, gray, open (water, 48-51'?)	36	65
Slate, white, open	65	115
Lime, hard	115	175
Slate, white, soft	175	200
Sand, white, hard	200	210
Slate, white, soft	210	235
Slate, white, soft	235	260
Red rock, soft	260	275
Slate, white, soft	275	330
Lime, white, hard	330	500
Slate, white, soft	500	530
Pittsburgh Coal, black, soft	530	540
Red rock, soft	540	600
Lime, white, hard	600	700
Slate, white, soft	700	730
Lime, white, hard	730	780
Red rock, soft	780	790
Slate, white, soft	790	805
Shells, white, hard	805	815
Red rock, soft	815	820
Slate, white, soft	820	830
Top cave, brown, soft	830	985
Little Dunkard Sand, white, hard	985	1010
Slate, white, soft	1010	1055
Coal, black, soft	1055	1060
Shells, white, hard	1060	1100
Sand, white, hard	1100	1135
Slate, soft	1135	1155
Big Dunkard Sand, white, hard	1155	1235
Slate, white, soft	1235	1240
Coal (Slate), black, soft	1240	1245
Slate, white, soft	1245	1270
Salt Sand, white, hard (gas, 1273'; gas, 1420')	1270	1560
Slate, white, soft	1560	1580
Red rock, soft	1580	1625
Slate, white, soft	1625	1635
Red rock, soft	1635	1725
Slate, white, soft	1725	1745

(OVER)

S. I. ROBINSON NO. 1737 WELL (Continued).

	Top.	Bottom.
Lime, white, hard	1745	- 1790
Big Injun Sand, white, hard (show gas, 1790'; show gas, 1792'; gas, 1796'; gas, 1802'; gas, 1890')	1790	- 2030
Unrecorded	2030	- 2500
Red rock, soft	2500	- 2568
Gordon Stray Sand	2568	- 2606
Slate	2606	- 2610
Gordon Sand	2610	- 2625
Unrecorded	2625	- 2660
Sand	2660	- 2668
Unrecorded, to bottom	2668	- 2785