

Company COMMONWEALTH GAS CORPORATION  
 Address P.O. BOX 1433 CHARLESTON, W.VA.  
 Farm W. W. KELLEY ET AL  
 Tract \_\_\_\_\_ Acres 388 3/4 Lease No. 1850  
 Well (Farm) No. 1 Serial No. 631  
 Elevation (Spirit Level) 992.0  
 Quadrangle WINFIELD S.E  
 County PUTNAM District UNION  
 Engineer J.E. BILLINGSLEY  
 Engineer's Registration No. 757  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date AUG. 1, 1957 Scale 1" = 660'

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

**WELL LOCATION MAP**  
 FILE NO. Put-642

+ 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.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 12

Quadrangle Winfield

Permit No. Put. 642

WELL RECORD

Oil or Gas Well Dry Hole  
(KIND)

Company COMMONWEALTH GAS CORPORATION  
Address P. O. Box 1433, Charleston 25, W. Va.  
Farm W. W. Kelley et al Acres 298 1/2  
Location (waters) Branch of Buffalo Creek  
Well No. 631 Elev. 992.0  
District Union County Putnam  
The surface of tract is owned in fee by Charles Casto  
Address Red House, W. Va.  
Mineral rights are owned by W. W. Kelley, Agent  
Virginia Denovan - Address Red House, W. Va.  
Coal  
Drilling commenced August 24, 1957  
Drilling completed December 14, 1957  
Date Shot Dec. 13, 1957 from 3773 To 4262  
With 3400# Gelatin  
Open Flow 1/10ths Water in Inch  
1/10ths Merc. in Inch  
Volume 13,000 Cu. Ft.  
Rock Pressure      lbs.      hrs.  
Oil      bbls., 1st 24 hrs.  
WELL ACIDIZED       
WELL FRACTURED     

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16	37' 4"	37' 4"	Kind of Packer
18	352'	--	None
10	1033'	--	Size of
8 1/4	1994' 9"	1994' 9"	
6 3/4	2627'	2627'	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 7" SIZE No. Ft. 10/22/57 Date  
15 Bags Cement Behind the 7" Casing

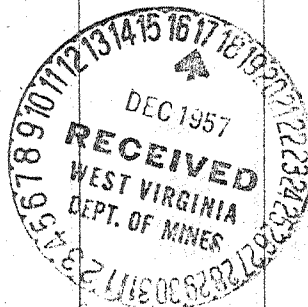
COAL WAS ENCOUNTERED AT      FEET      INCHES  
     FEET      INCHES      FEET      INCHES  
     FEET      INCHES      FEET      INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water 1000 Feet 1445 Salt Water 1758 Feet 2098

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	3			
Red Clay			3	20			
Blue Mud			20	34			
Red Rock			34	50			
White Slate			50	62			
Blue Mud			62	72			
Red Rock			72	82			
Blue Mud			82	95			
Sand			95	115			
Blue Mud			115	150			
Red Rock			150	160			
Blue Slate			160	175			
Red Rock			175	187			
Blue Slate			187	210			
Red Rock			210	225			
Blue Slate			225	260			
Red Rock			260	285			
Blue Slate			285	420			
Red Rock			420	441			
Blue Slate			441	570			
Red Rock			570	650			
Blue Slate			650	675			
Red Rock			675	780			
Blue Slate			780	915			
Sand			915	1033	Water		
Blue Slate			1033	1070		1000	2 Bailers per Hr
Sand			1070	1095			
Blue Slate			1095	1185			
Sand			1185	1225			
Black Slate			1225	1240			



(over)

Formation	Color	Hard or Soft	Top /	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			1260	1260			
Black Slate			1260	1282			
Black Slate			1282	1415			
Sand			1415	1445	Water	1445	1 barrel per hr.
Flue Slate			1445	1705			
SALT SAND			1705	1920	Water	1758	Hole Full
LYTINE LIME			1920	1950			
BIG LIME			1950	2087			
					Gas	1983	S. L. M.
					Water	1985	Show
BIG INJUN SAND			2087	2188		2098	Hole Full
Slate & Shells			2188	2575			
Brown Shale			2575	2596			
BEREA SAND			2596	2618		2596	S. L. M.
Blue Slate			2618	2623			
Shell			2623	2633			
Slate & Shells			2633	2696			
Shell			2696	2706			
Slate & Shells			2706	3590			
Blue Slate			3590	3798		2729	S. L. M.
BROWN SHALE			3798	3842			
White Slate			3842	4000		3808	S. L. M.
BROWN SHALE			4000	4095			
White Slate			4095	4142			
BROWN SHALE			4142	4239			
Slate			4239	4262			
TOTAL DEPTH				4262			
					FINAL GAUGE:	43,000 cu. ft.	21 hours after shooting Brown Shale

Date: December 16, 19 57

APPROVED COMMONWEALTH GAS CORPORATION, Owner

By W. S. Gravely, Land & Eng. Dept. (Title)