

Company **COMMONWEALTH GAS CORPORATION**  
 Address **P.O. Box 1433 CHARLESTON, W. VA.**  
 Farm **ARTHUR B. FULLER**  
 Tract \_\_\_\_\_ Acres **58.7** Lease No. **1948**  
 Well (Farm) No. **1** Serial No. **691**  
 Elevation (Spirit Level) **674.07**  
 Quadrangle **LOUISA-N.E.**  
 County **WAYNE** District **BUTLER**  
 Engineer *G.H. Hall*  
 Engineer's Registration No. **2602**  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date **MAY 21, 1962.** Scale **1" = 400'**

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

**WELL LOCATION MAP**  
 FILE NO. *WAY-1427*

+ 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.

ALLEN BLUEPRINT & SUPPLY CO.  
*DEEP WELL*      *SAMPLES - 2900 to 3608*      *Not plotted on big map*



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Quadrangle Louisa N. E.

Permit No. Way-1427

**WELL RECORD**

Oil or Gas Well Gas  
(KIND)

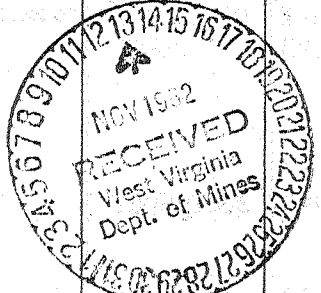
Company Commonwealth Gas Corporation  
Address P. O. Box 1433, Charleston 25, W. Va.  
Farm Arthur B. Fuller Acres 58.7  
Location (waters) Back Fork of Gragston Creek  
Well No. 691 Elev. 674.07'  
District Butler County Wayne  
The surface of tract is owned in fee by Arthur B. Fuller  
Route No. 2 Address Prichard, W. Va.  
Mineral rights are owned by Same  
Address \_\_\_\_\_  
Drilling commenced June 4, 1962  
Drilling completed September 28, 1962  
Date Shot 9-14-62 From 3565 To 3595  
With 1st shot 400# gel. 2nd shot 2400# gel & 20  
Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume 231,000 Cu. Ft.  
Rock Pressure 465 lbs. 72 hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED \_\_\_\_\_  
WELL FRACTURED \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			Comb. W & A
13	30'10"	30'10"	
10	359'10"	359'10"	Size of
8 1/4	1928'	None	7"X2"X20"
6 5/8	3241'	3241'	Depth set <u>3404'</u>
5 3/16			
3			Perf. top <u>3589' 2"</u>
2	3627' 5"	3627' 5"	Perf. bottom <u>3607' 2"</u>
Liners Used <u>5"</u>	107' 7"	107' 7"	Perf. top _____
gts.	Top of liner at <u>3492'</u>		Perf. bottom _____

CASING CEMENTED \_\_\_\_\_ SIZE 7 No. Ft. 8-24-62 Date  
15 bags behind the 7" casing  
COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES

RESULT AFTER TREATMENT \_\_\_\_\_  
ROCK PRESSURE AFTER TREATMENT \_\_\_\_\_  
Fresh Water 85-92 300-310 Feet Salt Water 815 and 850 Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface			0	30			
Sand			30	35			
Blue Mud			35	85			
Sand			85	92	Water	85-92	1 bailer per hr
Slate			92	115			
Broken sand			115	200			
Slate			200	245			
Sand			245	275			
Slate			275	304			
Sand			304	326	Water	300-310	3 bailers per hr
Slate shells			326	465			
Sand			465	485			
Slate			485	540			
Sand			540	558			
Blue slate			558	630			
Broken sand			630	660			
Slate			660	675			
Sand			675	705			
Slate			705	715			
Sand			715	740			
Slate & shells			740	805			
SALT SAND			805	925	Water	815	3 1/2 bailers per hr.
Slate & shells			925	1020			
SALT SAND			1020	1040	Water-	850	Hole full
Slate			1040	1070			
Sand			1070	1080			
LITTLE LIME			1080	1093			
Slate			1093	1097			
BIG LIME			1097	1245	Gas	1111 1193-1195	S.L.M. Show



Formation	Color	Hard or Soft	Top <sup>23</sup>	Bottom	Oil, Gas or Water	Depth Found	Remarks
KEENER SAND			1245	1257			
INJUN SAND			1257	1370			
Slate & shells			1370	1625			
Hard shells			1625	1635			
Slate & shells			1635	1874			
Brown shale			1874	1889			
BEREA SAND			1889	1900			
Slate			1900	1914		1914	S.I.M.
Line shell			1914	1920			
Slate & shells			1920	1972			
BROWN SHALE			1972	2092	Oil	1985-1992	Show
White slate			2092	2210			
BROWN SHALE			2210	2680			
Slate		2900	2680	2860			
BROWN SHALE		674	2860	2900			
CORNIFEROUS LIME			2900	3590		2902	HalliburtonSLM
Slate		2276	3590	3592	Black water	3060-3070	1/4 bailer/hr.
BIG SIX SAND			3592	3608	Gas	3095-3100	Smell
Slate			3608	3609	Gas	3360-3367	Show
					Gas & Bt. water	3360-3367	1/4 bailer/hr.
					Oil	3360-3367	Top mck?
						3578	HalliburtonSLM
					Gas	3575-3578	189 M
					Gas	3578-3581	169 M
					Gas	3609	146 M - 28 hrs.
		TOTAL DEPTH		3609			

Shot 9-19-62 with 2300# gelatin from 3542 - 3595. 130 feet of tamp on top of shot. Set time bomb for 3 hrs. It did not go off. Waited 32 hrs. Put 300 feet of water in hole, started gravel out to 3537. Dumped 20 qts. of glycerine. Put 100# of gelatin with time bomb in it. Put another time bomb on top of it. Top of shot 3527. 175 feet of tamp on top of shot. Cleaned out to 3607'.

Shot second time 9-21-62 from 3527 to 3595 with 2400# gelatin. 20 qts. of glycerine. Used 2 time bombs. One set for 3 hrs and the other set for 2 hrs and 45 minutes. 56 hours after shot well was making 231,900.

Date October 31, 19 62

APPROVED COMMONWEALTH GAS CORPORATION, Owner

By [Signature]  
(Title) Land & Eng. Dept.