



2.55 S.  
3.41 W.  
4 WC (I-52)

**CERTIFICATE**

"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 degree of accuracy is one part in 200

Signed *W.S. Growley*

SURVEY - SEPT. 2, 1963 - W. S.G. N.B. No. 91 PAGE 23

COMPANY	COMMONWEALTH GAS CORPORATION		
ADDRESS	P.O. BOX 1433 CHARLESTON 25, W.VA.		
FARM	F.E. RANSON ET AL		
MAP	OV 23	ACRES	216 1/2 LEASE NO 1776 - 1764
WELL (FARM) NO.	1	SERIAL NO	720
ELEVATION (SPIRIT LEVEL)	759.65 (GROUND)		
QUADRANGLE	KENNA N.W. - WC		
COUNTY	PUTNAM	DISTRICT	UNION
POINT OF PROVEN ELEVATION	U.S.G.S. BM 979 EMMA CHAPEL		
FILE NO.	DRAWING NO.		
DATE	SEPTEMBER 4, 1963		
	SCALE 1" = 660'		

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
CHARLESTON  
**WELL LOCATION MAP**  
FILE NO PUT-698

+ 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 TRACINGS.

10 Samples 6-6-192 Deep Well



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

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle Kenna NW

Permit No. Prt 698

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Company COMMONWEALTH GAS CORPORATION  
Address P. O. Box 1433, Charleston, W. Va.  
Farm F. E. Ranson et al Acres 216-1/2  
Location (waters) Rt. fork of Glendonin Creek  
Well No. 720 Elev. 759.66  
District Helen County Putnam  
The surface of tract is owned in fee by F. E. Ranson et al  
2703 W. 179th St. Address Terrance, Calif.  
Mineral rights are owned by Same  
Address \_\_\_\_\_

Drilling commenced October 14, 1964  
Drilling completed April 15, 1964  
Date ~~started~~ 4-9-64 from 4941 To 4952  
With 28,000# sand 806 bbls. water  
Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume 39,000 natural 220,000 after free Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED \_\_\_\_\_

WELL FRACTURED 4-9-64 28,000# sand 806 bbl. water

RESULT AFTER TREATMENT 230,000 cu. ft.

ROCK PRESSURE AFTER TREATMENT 610# - 72 hours

Fresh Water 50, 870 Feet Salt Water 1530 - 1535 Feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	20"	20"	
13	69 1/2"		
10			Size of
8 3/4			
6 3/4	2183 1/2"	2183 1/2"	Depth set
5 1/2	4939"	4939"	
3			Perf. top <u>4942</u>
2	4948 1/8"	4948 1/8"	Perf. bottom <u>4948 1/8"</u>
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 5 & 7" SIZE No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
30 sacks cement behind 5" casing and 7" casing  
COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES, \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Red rock			0	5			
White slate			5	25			
Blue slate			25	38			
pink rock			38	55	Water	50'	1-1/2 bailers per hour
Blue slate			55	76			
Red rock			76	94			
Blue slate			94	100			
Red rock			100	130			
Blue slate			130	148			
Red rock			148	175			
Blue slate			175	228			
Red rock			218	228			
Blue slate			228	245			
Red rock			245	260			
Blue slate			260	280			
Red rock			280	420			
Blue slate			420	442			
Red rock			442	505			
Blue slate			505	508			
Red rock			508	515			
Blue slate			515	605			
Slate & shells			625	720			
Red rock			730	742			
Blue slate			742	755			
Red rock			755	799			
Blue slate			799	847			
Red rock			847	950	Water	870'	1-1/2 bailers
Blue slate			950	1030			



