

**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 Arboney R.P.E. No 2024

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

10-30-68

COMPANY	COMMONWEALTH GAS CORPORATION		
ADDRESS	P.O. Box 1433 CHARLESTON, W.VA. 25325		
FARM	ODEN A. WORKMAN, ET AL.		
MAP	OV-22	ACRES	257 (Unit)
WELL (FARM) NO.	2	LEASE NO.	1656
ELEVATION (SPIRIT LEVEL)	896.3'		
QUADRANGLE	WINFIELD S.E.		
COUNTY	PUTNAM	DISTRICT	UNION
POINT OF PROVEN ELEVATION	U.S.G.S. Datum - Intersection		
	W.Va. Sec. Rts. 4 and 11 (Shown above)		
FILE NO.	DRAWING NO.		
DATE	JULY 12 1968	SCALE	1" = 660'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
 FILE NO. PUT-747-P

+ 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

Deep Well (Newburg)  
 TUSC

NOV 12 1968



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle Winfield S.E.

WELL RECORD

Permit No. Put. 747

Oil or Gas Well Dry  
(KIND)

Company Commonwealth Gas Corporation  
Address P.O. Box 1433, Charleston, W. Va. 25325  
Farm Oden A. Workman, et al Acres 257(Unit)  
Location (waters) Eighteen-Mile Creek  
Well No. 770 Elev. 896.3  
District Union County Putnam  
The surface of tract is owned in fee by Oden A. Workman  
R.F.D. #1 Address Buffalo, W. Va.  
Mineral rights are owned by Same  
Address Same  
Drilling commenced September 31, 1968  
Drilling completed November 1, 1968  
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 -

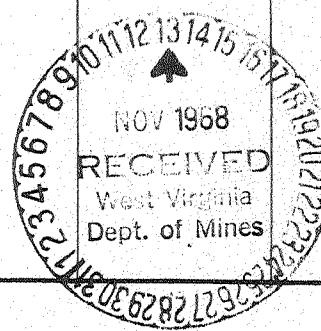
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13 3/8"	616'6"	188'6"	
9-5/8"	2150'6"	450'6"	Size of
8 1/4"			
7"	5053'0"	1903'4"	Depth set
5 3/16"			
3"			Perf. top
2"			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED SIZE No. Ft. Date  
100 bags behind the 13-3/8", the 9-5/8", and 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 Feet Salt Water Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand & Shale			0	578			
Coal			578	588			
Sand & Shale			588	1288			
Coal			1288	1296			
Sand & Shale			1296	1308			
Coal			1308	1316			
Sand & Shale			1316	1804			
Salt Sand			1804	1900			
Big Lime			1936	1980			
Big Injun Sand			2146	2182			
Berea Sand			2602	2620			
Corniferous Lime			4813	4902			
Briskany Sand			4902	4908			
Newburg			5594	5607			
Keeler			5860	5868			
Rose Hill			5868	6124			
Dayton Lime			6124	6128			
Brassfield			6200	6274			
Tuscarora			6274	6338			
Uniatia			6424	6440			
TOTAL DEPTH				6440			

4813  
915  
-3898  
6424  
89.6  
5528



(over)

NOV 19 1968