

Latitude  $37^{\circ} 40'$

**POCAHONTAS LAND CORP.**

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**CO-ORDINATE VALUES**  
 N - 80,651.74  
 E - 30,829.70  
**9624-7**

*Poplar & Hickory near top of Ridge*

*Hickory on top of Spur*  
 N - 80,265.80  
 E - 31,121.70

5,315  
 1.34W  
 2  
 (+)

*2 White Oak Stumps on Ridge*  
 N - 79,883.60  
 E - 29,858.40

**BENCH MARK DESCRIPTION**  
 U.S.G.S. U.E. - Spike in base of 30" Oak 15' Northwest of E. of Road. And at the Junction of Road leading to Lumber Mill. Elevation 1431.93'

**DEGREE OF ACCURACY**  
 1 Part in 2,000

*Maple and White Oak Stump on Ridge*

**POCAHONTAS LAND CORP.**

*FIRE CREEK OUTCROP*

- Fracture Before 6/5/29
- New Location
- Drill Deeper
- Redrill
- Abandonment

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 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.  
 The accuracy of this survey is within the limits and as prescribed in Paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.

**COLUMBIA GAS TRANSMISSION CORP.**  
 Company **CHARLESTON, W. VA.**  
 Address **POCAHONTAS LAND CORP.**  
 Tract \_\_\_\_\_ Acres **21,955** Lease No. **65689**  
 Well (Farm) No. \_\_\_\_\_ Serial No. **9624-7**  
 Elevation (Spirit Level) **1763.18'**  
 Quad. angle **MILLEN'S WC**  
 County **WYOMING** District **SLAB FORK**  
 Engineer *[Signature]*  
 Land Surveyor Reg. No. **102**  
 File No. **72-7** Drawing No. \_\_\_\_\_  
 Date **10-12-71** Scale **1" = 300'**

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

**WELL LOCATION MAP**  
 FILE NO. **Wyo-714**

- 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.

*5-5 Unnamed (2)*

NOV 10 1971

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Form OG-10



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 4

Rotary   
Spudger   
Cable Tools   
Storage

Quadrangle Mullens  
Permit No. WYO-711

WELL RECORD

Oil or Gas Well  Gas Well (KIND)

Company Columbia Gas Transmission Corporation  
Address Box 1273, Charleston, West Virginia  
Farm Pocahontas Land Corporation Acres 21,955  
Location (waters) Farley Branch  
Well No. 9624-T Elev 1763.16'  
District Slab Fork County Wyoming  
The surface of tract is owned in fee by Pocahontas Land Corp.  
Box 1517 Address Bluefield, W. Va.  
Mineral rights are owned by Pocahontas Land Corp.  
Box 1517 Address Bluefield, W. Va.  
Drilling commenced November 25, 1971  
Drilling completed December 4, 1971  
Date Shot Not 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 (DETAILS) Not Acidized

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13-3/8"	10'	10'	Size of
9-5/8"	1115'	1115'	Depth set
8 1/4			
6 3/4			
5 3/16	3348'	3348'	Perf. top 3210
4 1/2			Perf. bottom 3212
3			Perf. top 3220
2			Perf. bottom 3226
Liners Used			

Attach copy of cementing record 9-5/8" 1115' 11-30-71  
CASING CEMENTED 1-1/2" SIZE 1125' No. Ft. 12-6-71  
Amount of cement used (bags) 220 Bags From \_\_\_\_\_  
Name of Service Co. Dowell & Halliburton  
COAL WAS ENCOUNTERED AT 74 FEET 36 INCH  
287 FEET 36 INCHES 358 FEET 2 1/2 INCH  
492 FEET 36 INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCH

WELL FRACTURED (DETAILS) Well fractured 12-12-71 with 60,000# of 20/40 sand and 875 bbls. of water

RESULT AFTER TREATMENT (Initial open flow or bbls.) 681 MCF  
ROCK PRESSURE AFTER TREATMENT 850# HOURS 72 hrs.  
Fresh Water 134 Feet Salt Water \_\_\_\_\_ Feet  
Producing Sand Weir 3170-3250 Depth 3790'

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface Clay			0	20			
Sand			20	74			
Coal			74	77			
Sand			77	134	Water at 134'		
Sandy Shale			134	160			
Sand			160	240			
Shale			240	287			
Coal			287	290			
Sandy Shale			290	350			
Shale			350	358			
Coal			358	360			
Shale			360	398			
Sand & Shale			398	492			
Coal			492	495			
Shale			495	530			
Sand			530	545			
Shale			545	560			
Sand			560	615			
Shale			615	630			
Sand			630	635			
Shale			635	735			
Sand			735	740			
Shale			740	765			
Sand			765	780			
Sand & Shale			780	860			
Red Rock			860	880			
and			880	890			
Shale			890	1120			
Sand & Shale			1120	1153			

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Formation	Color	Hard or Soft	Top 4	Bottom	Oil, Gas or Water	Depth Found	Remarks
Ravencliff			1153	1256	LOGGED	12-5-71	
Sand & Shale			1256	1300			
Avis Lime			1300	1343	Gamma Ray		
Sand & Shale			1343	1432	Density		
Lime, Shale & Red Rock	Red Rock		1432	1650	Induction		
Lime & Shale			1650	1897			
Sand (Maxon)			1897	1954			
Sand & Shale			1954	2009			
Sand (Maxon)			2009	2030			
Sand & Shale			2030	2180			
Lower Maxon			2180	2221			
Shale			2221	2265			
Little Lime			2265	2360			
Sand & Shale			2360	2409			
Big Lime			2409	2933			
Thin Sand			2933	2967			
Sand			2967	2973			
Sand & Shale			2973	3170			
Weir			3170	3250			
Shale & Sand			3250	3609			
Berea			3609	3630			
Shale & Sand			3630	3790			
TOTAL DEPTH	<i>Berea</i>		<u>3790</u>				
			<i>3790</i>				
			<i>3170</i>				
			<i>670 ft</i>		<i>Dry hole footage</i>		

Date 12-30, 1971

APPROVED E. J. Foster  
 By Prob. Trans. Superintendent  
 (Title)

50 50 50