

Fracture	<input type="checkbox"/>
Before 6/5/27	<input type="checkbox"/>
New Location	<input checked="" type="checkbox"/>
Drill Deeper	<input type="checkbox"/>
Redrill	<input type="checkbox"/>
Abandonment	<input type="checkbox"/>

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.

PROVEN ELEVATION U.S.G.S. BAR. CO. 1732' AT STONE

Company GEORGE DANIEL GAS CO.

Address 311 NELSON BLDG., CHARLESTON, W.VA.

Farm WESTERN POCAHONTAS CORP.

Tract 13 Acres. 1226.15 Lease No. _____

Well (Farm) No. 009 Serial No. _____

Elevation (Spirit Level) 1222.15

Quadrangle ECCLES 5C

County RALEIGH District TRAP HILL

Engineer H. G. Sifton

Engineer's Registration No. 1222

File No. _____ Drawing No. _____

Date 3-9-68 Scale 1" = 1000'

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

WELL LOCATION MAP
FILE NO. RAA-282

+ 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.



* Mailing Address is:
 P. O. Box 169
 Charleston, West Virginia 25321

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

Rotary
 Spudder
 Cable Tools
 Storage

Quadrangle Eccles

WELL RECORD

Oil or Gas Well Gas
 (KIND)

Permit No. RAL 282

Company Glen Daniel Gas Co.
 Address * 311 Nelson Bldg., Charleston, W. Va.
 Farm Western Pocahontas Corp. Acres 183
 Location (waters) Sand Lick
 Well No. 1 Elev. 1822.15
 District Trap Hill County Raliegh
 The surface of tract is owned in fee by J.O. McGraw
 Address Glen Daniel, W. Va.
 O. & G. Mineral rights are owned by O.R. Stover
 Address Beckley, W. Va.

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			None used
16			Kind of Packer
13 48#	17' 0"	17' 0"	
10 32.75#	131' 0"	131' 0"	Size of
8 24#	880'	Pulled	
7 20#	1272'	1272'	Depth set
5 3/16			
4 1/2"	2814'	2814'	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Drilling commenced May 7, 1968
 Drilling completed Aug. 31, 1968
 Date Shot N.S. From _____ To _____
 With _____

Open Flow _____ /10ths Water in _____ Inch
 _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil None _____ bbls., 1st 24 hrs.

CASING CEMENTED SIZE 4 1/2" No. Ft. 2814 Date _____
 Cement used 161 sacks - Dowell

WELL ACIDIZED Sept. 24, 1968
Big Lime; before acid 30M cu. ft.

COAL WAS ENCOUNTERED AT 80 FEET 12 INCHES
460 FEET 36 INCHES 719 FEET 36 INCHES
900 FEET 36 INCHES FEET INCHES

WELL FRACTURED Maxon Sand; before frac 30M cu. ft. after 348M cu. ft.

348,000
587,000

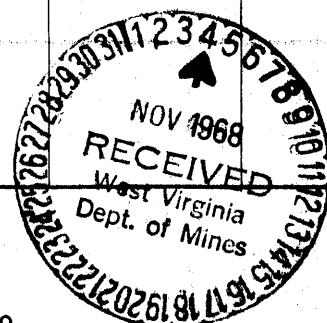
RESULT AFTER TREATMENT Big Lime after acid 582M cu. ft. 930 MCF 930,000

ROCK PRESSURE AFTER TREATMENT Big Lime - final 602#; Maxon - final 715#

Fresh Water See below Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sandy soil			0	18			
Sand			18	80	Fresh water	60	Hole full
Coal			80	81			
Sand			81	122			
Lime			122	149			
Slate & shells			149	244			
Sand			244	265			
Slate & shells			265	310			
Sand			310	406			
Slate & shells			406	460	Fresh water	460	1-10" B./hr.
Coal			460	463			
Slate & shells			463	495			
Sandy Lime			495	548			
Sand & lime			548	677			
Sand			677	688			
Coal			688	719	Fresh water	719	total 7-10" B./3hr.
Lime			719	722			
Sand			722	730			
Coal			730	900	" "	902	fills up 100' in 8" hole in 3 hrs.
Sand			900	903			
Sand			903	945			
Slate			945	950			
Sand			950	1030			
Slate			1030	1045			
Lime			1045	1078			
Slate			1078	1095			
Lime			1095	1115			
Red Rock			1115	1120			

(over)



NOV 12 1968

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			1180	1170			
Slate			1170	1185			
Lime			1185	1202	Water-slightly salty		increased to
Slate			1202	1217	4-8" bailers/hr.		at 1200'
Red Lime			1217	1240			
Red Rock			1240	1272			Bad Red Rock
Lime			1272	1292			cave
Slate & shells			1292	1454			
Sand			1454	1493			
Slate			1493	1503			
Sand (Ravencliff ?)			1503	1533	Gas	1522-27	Show
Lime			1533	1568			
Red Rock			1568	1615			
Gritty Lime			1615	1750			
Red Lime			1750	1815			
Slate & shells			1815	1866			
Sand			1866	1874			
Sandy Lime			1874	1990			
Sand			1990	2020			
Lime			2020	2071			
Sand (Maxon)			2071	2150	Gas	2100-2110	8/10 W. 1"
Slate			2150	2165	"	2140-2147	18/10 W. 1"
Lime			2165	2179			
Slate (Pencil Cave near bottom)			2179	2285			Had to be cemented.
Lime (Gray at 2424)			2285	2432	"	2466-75	increase 4/10
Slate			2432	2440			W. 1"
Lime		Big Lime	2440	2795	"	2500-06	Increased to
Sand (Red)		Maccrady	2795	2815	T.D. (DLM)	2570-84	38/10 W. 1"
				2818	T.D. (SLM)		
					Salt water	2745	1/8 7" bailer per hr.

Date 11-1- 1968

APPROVED Allen Daniels Gas Co. Owner

By J. C. Allen
(Title)