

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas

Farm Name: Donald Poe Gunn Operator Well No.: Gainer #2

LOCATION: Elevation: 1140' Quadrangle: Millstone

District: Sherman County: Calhoun  
Latitude: 825 Feet South of 38 Deg. 50 Min. 0 Sec.  
Longitude: 6600 Feet West of 81 Deg. 5 Min. 0 Sec.

Company: Rogers and Son

	Casing & Tubing	Used in Drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>12435 S. Calhoun Hwy.</u> <u>Arnoldsburg, WV 25234</u>	<u>9 5/8"</u>	<u>410'</u>	<u>410'</u>	<u>150 sacks</u> <u>to surface</u>
Agent: <u>Michael Rogers</u>				
Inspector: <u>Ed Gainer</u>				
Date Permit Issued: <u>7/5/2011</u>	<u>7"</u>	<u>2405'</u>	<u>2405'</u>	<u>200 sacks</u>
Date Well Work Commenced: <u>8/22/2011</u>				
Date Well Work Completed: <u>9/30/2011</u>				
Verbal Plugging:	<u>4 1/2"</u>		<u>5272'</u>	<u>145 sacks</u>
Date Permission Granted on:				
Rotary <u>XXX</u> Cable Rig				
Total Depth (feet): <u>5300</u>				
Fresh Water Depth (ft.): <u>N/A</u>				
Salt Water Depth (ft.): <u>1840</u> <u>small amount</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>N/A XXXXXXXX</u>				

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WV Department of Environmental Protection

OPEN FLOW DATA

Upper Elk comingled  
Producing formation Alexander, Benson, Riley, Balltown, Speechly Pay Zone depth (ft) 2642'-5271"  
Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 320 MCF/d Oil: Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 48 Hours  
Static rock Pressure 890 psig (surface pressure) after 48 Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: Michael Rogers  
By: Michael Rogers  
Date: August 28, 2012

09/14/2012

**DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.**

Stage #1 : 90 Quality Foam, 20 perms 4812-5271', 92bbl H2O, no acid (in hole from cement job) 26300lbs 20-40 sand, 405844 SCF/N2  
 Stage #2 : 90 Quality Foam, 20 perms 4006-4632', 120bbl H2O, 500gal, 15% HCL acid, 30600lb, 20-40 sand 798095 SCF/N2  
 Stage #3 : 90 Quality Foam, 20 perms, 3302-3915, 101bbl H2O, 500gal 15% HCL acid, 30300lb, 20-40 sand, 552825 SCF/N2  
 Stage #4 : 90 Quality Foam, 20 perms, 2642-3158, 110 bbl H2O, 500 gal 15% HCL acid, 30500lb 20-40 sand, 548051 SCF/N2

**WELL LOG**

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
dirt		soft	0	20	
sand		hard	20	450	
red rock		med	450	1180	
sand & shale		med	1180	1620	
salt sand		hard	1620	1700	small amount of oil & H2O
sand & shale		med	1700	1882	
maxon		hard	1882	1960	
big lime and keener		hard	1960	2280	
big injun		soft	2280	2328	show of gas & oil
sand & shale		med	2328	2750	
bera			2750	2760	
sand & shale stringers		med	2760	2904	
riley		soft	2904	2914	
sand & shale stringers		med	2914	4130	
benson		med	4130	4150	
sand & shale		med	4150	4810	
alexandra		med	4810	4822	
sand & shale		med	4822	5052	
upper elk		med	5052	5098	
sand & shale		med	5098	5300	TD

ROGERS AND SON

Well Operator

By: Michael Rogers

Date: August 28, 2012

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