

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

Well Operator's Report of Well Work

Farm name: CNX GAS COMPANY LLC Operator Well No.: SHL-3G-HS

LOCATION: Elevation 1290' Quadrangle: MAJORSVILLE

District: SANDHILL County MARSHALL  
Latitude: Feet South of 39 Deg. 58 Min. 15.75 Sec.  
Longitude Feet West of 80 Deg. 33 Min. 25.22 Sec.

Company:  
CNX Gas Company LLC

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: 200 Evergreene Drive Waynesburg, PA 15370				
Agent: Ben Geary				
Inspector: Derek Haught				
Date Permit Issued: 11/01/2010				
Date Well Work Commenced: 09/21/2011	20'	40'	40'	Grouted in
Date Well Work Completed:				
Verbal Plugging N/A	13 3/8"	1025'	1025'	587 sks
Date Permission granted on: 11/01/2010				
Rotary X Cable Rig	9 5/8"	3129'	3129'	236 bbls
Total Depth (feet): 4250'				
Fresh Water Depth (ft.): 200'				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? Yes				
Coal Depths (ft.) <u>660'-665'</u>				

OPEN FLOW DATA

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 \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

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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 \* \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \* \_\_\_\_\_ Hours  
Static rock Pressure \* \_\_\_\_\_ psig (surface pressure) after \* \_\_\_\_\_ Hours

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\*Commingled with previous formations

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: [Signature]  
By: Luke Beebe  
Date: 9/29/11

2458'-2696'	SH SLTST
2696'-2758'	SH SIL
2758'-3166'	SD SH
3166'-3556'	SH SLTST
3587'-3649'	SH
3649'-3807'	SH TRC SLTST
3807-4250'	SH

**\*Depth Determined From AIR-Quad/Gamma Logs\***



**Geological Top Estimations**

<b>Well (Pad) Name Datum (GR)</b>	<b>SHL03 pad 1290'</b>	<b>TVD</b>	<b>S.L.</b>
Pittsburgh Coal	660	630	
Mahoning Coal	1112	178	
Gas Sand Top	1457	-167	
Gas Sand Base	1521	-231	
1st Salt Sand Top	1553	-263	
1st Salt Sand Base	1561	-271	
2nd Salt Sand Top	1658	-368	The salt sands could possibly be a fluid thief zone
2nd Salt Sand Base	1713	-423	
3rd Salt Sand Top	1746	-456	
3rd Salt Sand Base	1787	-497	
Maxton Top	1808	-518	
Maxton Base	1888	-598	
Big Lime Top	1892	-602	
Big Injun Top	1925	-635	
Big Injun Base	2111	-821	
Berea Top	2407	-1117	
Berea Base	2424	-1134	
Gantz Top	2460	-1170	
Gantz Base	2508	-1218	
Gordon Top	2826	-1536	
Gordon Base	2844	-1554	
Fifth Top	2936	-1646	
Fifth Base	2967	-1677	
Burkett Shale	6497	-5207	
Tully Top	6505	-5215	
Hamilton Top	6538	-5248	
Marcellus	6643	-5353	
Onondaga	6695	-5405	
<b>TVD:</b>	<b>~6845</b>		