

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

REVISED

Farm Name: Sand Hill Land

Operator Well No: SHL-6K-HS

LOCATION: Elevation: 831.12

Quadrangle: SANDHILL 6

District: \_\_\_\_\_ County: MARSHALL  
Latitude: \_\_\_\_\_ Feet South of \_\_\_\_\_ Deg. \_\_\_\_\_ Min. \_\_\_\_\_ Sec. 39.9562  
Longitude: \_\_\_\_\_ Feet South of \_\_\_\_\_ Deg. \_\_\_\_\_ Min. \_\_\_\_\_ Sec. -80.575614

Company: CNX Gas Company	Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. Ft.
Address: 200 Evergreene Drive Waynesburg, PA 15370	20	80.0	80.0	Grouted in
Agent: <u>Jeremy Jones</u>	13 3/8	650.0	650.0	468 sxs (106 bbls) cement to surface
Inspector: Derek Haught	9 5/8	2,664.0	2,664.0	993 sxs (223 bbls) cement to surface
Date Permit Issued: 7/5/2011	5 1/2	12,104.0	12,104.0	2697 sxs (611 bbls) cement
Date Well Work Commenced: _____ 7/27/2011				
Date Well Work Completed: _____ 10/31/2012				
Verbal Plugging:				
Date Permission granted on: _____ 7/27/2011				
Rotary _____ Cable _____ Rig X _____				
Total Vertical Depth (ft): 6,124.76'				
Total Measured Depth (ft): 12,120'				
Fresh Water Depth (ft): 200'				
Salt Water Depth (ft): None				
Is coal being mined in the area (N/Y)? Y				
Coal Depths (ft.): 314' - 320': Pittsburgh Seam				
Void(s) encountered (N/Y) Depth(s)				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 6162.53'  
 Gas: Initial open flow 1,171 MCF/d Oil: Initial open flow 35 Bbl/d  
 Final open flow 2,158 MCF/d Final open flow 57 Bbl/d  
 Time of open flow between initial and final tests 24 Hours  
 Static rock Pressure 1,933 psig (surface pressure) after 24 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 \_\_\_\_\_ Bbl/d  
 Time of open flow between initial and final tests \_\_\_\_\_ Hours  
 Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

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JAN 23 2013

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

[Signature] \_\_\_\_\_ Date 01-21-13

Marionville (22) 6-6

Were core samples taken? Yes \_\_\_ No x \_\_\_

Were cuttings caught during drilling? Yes x No \_\_\_

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list: Gamma Ray Logs \_\_\_\_\_

**NOTE: IN THE AREA BELOW 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 THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

**Perforated Intervals, Fracturing or Stimulating:**

Top Depth (ftKB)

6,972.00

Bottom Depth (ftKB)

11,987.00

**Plug Back Details including Plug Type and Depth(s):**

Surface:

**Formations Encountered:**

Formation Name Cashaqua	Drilling Top MD (ftKB) 6,300.0	Drilling Bottom MD (ftKB) 6,430.0
Formation Name Middlesex	Drilling Top MD (ftKB) 6,430.0	Drilling Bottom MD (ftKB) 6,482.0
Formation Name West River	Drilling Top MD (ftKB) 6,482.0	Drilling Bottom MD (ftKB) 6,580.0
Formation Name Burkett	Drilling Top MD (ftKB) 6,580.0	Drilling Bottom MD (ftKB) 6,607.0
Formation Name Tully	Drilling Top MD (ftKB) 6,607.0	Drilling Bottom MD (ftKB) 6,660.0
Formation Name Hamilton	Drilling Top MD (ftKB) 6,660.0	Drilling Bottom MD (ftKB) 6,948.0
Formation Name Marcellus	Drilling Top MD (ftKB) 6,948.0	Drilling Bottom MD (ftKB)