

WR-35  
Rev (9-11)

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

DATE: July 8, 2013  
API #: 47-103-02605

**REVISED FOR  
COMPLETION**

Farm name: Potts, Patty & Bing Operator Well No.: Potts #4H

LOCATION: Elevation: 1,326' Quadrangle: New Martinsville

District: Proctor County: Wetzel  
Latitude: 13,130 Feet South of 39 Deg. 42 Min. 30 Sec.  
Longitude 7,510 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: Stone Energy Corporation

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>6000 Hampton Center, Suite B Morgantown, WV 26505</u>	<u>20"</u>	<u>45'</u>	<u>45'</u>	<u>GTS</u>
Agent: <u>Tim McGregor</u>	<u>13.375"</u>	<u>1,176'</u>	<u>1,176'</u>	<u>1,121 - CTS</u>
Inspector: <u>Derek Haught</u>	<u>9.625"</u>	<u>2,506'</u>	<u>2,506'</u>	<u>1,148 - CTS</u>
Date Permit Issued: <u>12/14/2010 &amp; 6/16/2011</u>	<u>5.5"</u>		<u>12,281'</u>	<u>2,868</u>
Date Well Work Commenced: <u>6/22/2011</u>	<u>2.375"</u>		<u>6,942'</u>	
Date Well Work Completed: <u>7/15/2012</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>6,561</u>				
Total Measured Depth (ft): <u>12,281</u>				
Fresh Water Depth (ft.): <u>45</u>				
Salt Water Depth (ft.): <u>1,802</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>1,002</u>				
Void(s) encountered (N/Y) Depth(s) <u>N/A</u>				

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

Producing formation Marcellus Pay zone depth (ft) 6,964' - 12,187'  
Gas: Initial open flow 430 MCF/d Oil: Initial open flow 0 Bbl/d  
Final open flow 3,440 MCF/d Final open flow 0 Bbl/d  
Time of open flow between initial and final tests 184 Hours  
Static rock Pressure 2,150 psig (surface pressure) after 7 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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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.

W. J. Haught  
Signature

7/8/2013  
Date

08/16/2013

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 MWD Gamma Ray, Mud Log, and CBL

**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:

Perforated 18 intervals from 12,187' MD to 6,964' MD. Performed 18 individual stages of slick water stimulation using 6,590,297 gals fresh water, 810,195 lbs. 100M sand, and 6,669,837 lbs. 40/70M sand. Average BDP = 5,704 psi, Average TP = 6,908 psi, Average MTP = 9,009 psi, Average ISIP = 4,348 psi, and Average Injection Rate = 82.5 bpm.

See Attachment for FracFocus Information.

Plug Back Details Including Plug Type and Depth(s): N/A

Formations Encountered: Surface:	Top Depth	/	Bottom Depth
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See attached sheet for formations encountered and their depths.

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	Horizontal		Bottom (ft TVD)	Bottom (ft MD)
	Top (ft TVD)	Top (ft MD)		
Sandstone & Shale	Surface	*	1002	
Pittsburgh Coal	1002	*	1008	
Sandstone & Shale	1008	*	1992	
Little Lime	1992	*	2034	
Sandstone & Shale	2034	*	2097	
Big Lime	2097	*	2291	
Big Injun	2291	*	2334	
Sandstone & Shale	2334	*	2701	
Berea sandstone	2701	*	2714	
Shale	2714	*	2947	
Gordon	2947	*	2995	
Undiff Devonian Shale	2995	~	5573	5576
Rhinestreet	5573	5576	~ 6215	6245
Cashaqua	6215	6245	~ 6366	6438
Middlesex	6366	6438	~ 6413	6501
West River	6413	6501	~ 6472	6605
Geneseo	6472	6605	~ 6491	6641
Tully limestone	6491	6641	~ 6525	6718
Hamilton	6525	6718	~ 6554	6808
Marcellus	6554	6808	~ 6561	12281
TD	6561	12281		

\* From Pilot Hole Log  
~ From MWD Gamma Log

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