

**State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas  
Well Operator's Report of Well Work**

Farm name: WAYNE, ROBERTA B. Operator Well No.: MCCOY HEIRS 17  
 LOCATION: Elevation: 810' Quadrangle: PINE GROVE 7.5'  
 District: GREEN County: WETZEL  
 Latitude: 11,005 Feet south of 39 Deg 32 Min 30 Sec.  
 Longitude: 5,160 Feet west of 80 Deg 40 Min 0 Sec.

Company Address:	HG Energy 5260 DuPont Road Parkersburg, WV 26101	Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Inspector:	Derek Haught				
Date Permit Issued:	08/31/2012				
Date Well Work Commenced:	10/24/2012				
Date Well Work Completed:	11/07/2012	9 5/8"	32'	32'	
Verbal Plugging:					
Date Permission Granted On:					
Rotary X Cable Rig		7"	805'	805'	175 sks
Total vertical Depth (ft):	2883'				
Total Measured Depth (ft):	3132'				
Fresh Water Depth (ft):	50', 120'	4 1/2"	3052.8'	3052.8'	250 sks
Salt Water Depth (ft):	None				
Is Coal being mined in ares (Y/N)?	No				
Coal Depths (ft): x	546'-554'				
Void(s) encountered (Y/N) depth(s):	NONE				

**RECEIVED**  
Office of Oil and Gas  
MAR 12 2013  
WV Department of Environmental Protection

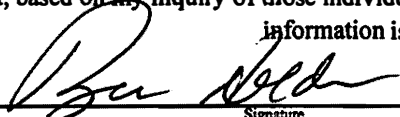
**OPEN FLOW DATA**

\* Waterflood Producer

This well drilled directionally 294° NW a distance of 802'.

Producing formation	Gordon	Pay zone depth (ft)	2870'-2883'
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
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

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

3/7/13  
Date

06/07/2013

Were core samples taken? No

Were cuttings caught during drilling? No 103-02812

Were Y Electrical, N Mechanical, N or Geophysical logs recorded on this well?  
Y/N Y/N Y/N

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.

**Treatment :** Treated perms 2870'-2883', and 2898'-2905' w/ 1250 gals 15% HCL, 379 bbls cross linked gel, and 20,000# 20/40 sand.

**Well Log :** All depths are measured relative to KB (8' AGL ).

Shale w/ sand streaks	0	-	546
Coal	546	-	554
Shale w/ sand streaks	554	-	1084
Sand	1084	-	1120
shale	1120	-	1194
sand	1194	-	1280
shale	1280	-	1304
sand	1304	-	1323
shale	1323	-	1350
sand	1350	-	1375
shale	1375	-	1506
sand	1506	-	1552
shale	1552	-	1603
sand	1603	-	1624
shale	1624	-	1758
sand	1758	-	1770
shale	1770	-	1787
sand	1787	-	1803
shale	1803	-	1812
Big Lime	1812	-	1892
Big Injun	1892	-	2144
shale	2144	-	2834
Gordon stray	2834	-	2854
shale	2854	-	2864
Gordon	2864	-	2886
shale	2886	-	2896
sand	2896	-	2908
shale	2908	-	3132
TD	3132		
T.D. -Logger	3097	KB	
T.D. -Driller	3132	KB	

06/07/2013