

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

Farm name: LEMASTERS, DAVID W. AND BA Operator Well No.: B.A. SWIGER 10

LOCATION: Elevation: 1,171' Quadrangle: CENTERPOINT 7.5'

District: MCELROY County: TYLER  
Latitude: 6,790 Feet south of 39 Deg 27 Min 30 Sec.  
Longitude: 11,205 Feet west of 80 Deg 40 Min 0 Sec.

Company Address:	HG Energy PO Box 5519 Vienna, WV 26105	Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Inspector:	Joe Taylor				
Date Permit Issued:	09/14/2012				
Date Well Work Commenced:	11/06/2012				
Date Well Work Completed:	12/03/2012				
Verbal Plugging:					
Date Permission Granted On:					
Rotary X Cable Rig		7"	759'	759'	280 sks
Total vertical Depth (ft):	3189'				
Total Measured Depth (ft):	3515'				
Fresh Water Depth (ft):	440'	4 1/2"	3438.4'	3438.4'	275 sks
Salt Water Depth (ft):	1490'				
Is Coal being mined in ares (Y/N)?	No				
Coal Depths (ft): x	956'-966'				
Void(s) encountered (Y/N) depth(s):	NONE				

**OPEN FLOW DATA**

\* Waterflood Producer

This well drilled directionally 78.4° NE a distance of 795'.

Producing formation	Gordon	Pay zone depth (ft)	3282'-3286' 3328'-3332'
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.

Ben Alder  
Signature

1/5/13  
Date

01/25/2013

Were core samples taken? No

Were cuttings caught during drilling? No

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 perfs 3282'-3286', 3290'-3293', 3306'-3314', 3328'-3332' w/ 2000 gals 15% HCL, 420 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	-	956
Coal	956	-	966
Shale w/ sand streaks	966	-	1022
Sand	1022	-	1066
shale	1066	-	1313
sand	1313	-	1330
shale	1330	-	1352
sand	1352	-	1404
shale	1404	-	1490
sand	1490	-	1594
shale	1594	-	1696
sand	1696	-	1632
shale	1632	-	1792
sand	1792	-	1853
shale	1853	-	1950
sand	1950	-	1988
shale	1988	-	2066
sand	2066	-	2082
shale	2082	-	2180
sand	2180	-	2202
shale	2202	-	2206
sand	2206	-	2238
Big Lime	2238	-	2332
Big Injun	2332	-	2502
shale	2502	-	3244
Gordon stray	3244	-	3296
shale	3296	-	3306
Gordon	3306	-	3315
shale	3315	-	3326
sand	3326	-	3333
shale	3333	-	3515
TD	3515		

T.D. -Logger 3453 KB

01/25/2013