

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

Farm name: GIFFORD, THOMAS L. Operator Well No.: J. CHAMBERLAIN 283  
 LOCATION: Elevation: 1,275' Quadrangle: PINE GROVE 7.5'  
 District: GRANT County: WETZEL  
 Latitude: 11,320 Feet south of 39 Deg 37 Min 30 Sec.  
 Longitude: 12,290 Feet west of 80 Deg 37 Min 30 Sec.

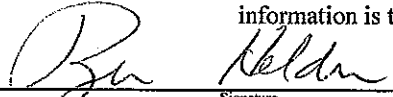
Company Address:	HG Energy PO Box 5519 Vienna, WV 26105	Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Inspector:	Derek Haught				
Date Permit Issued:	07/06/2011				
Date Well Work Commenced:	08/29/2011				
Date Well Work Completed:	09/08/2011				
Verbal Plugging:					
Date Permission Granted On:					
Rotary X Cable Rig		7"	1256'	1256'	285 sks
Total vertical Depth (ft):	3290'				
Total Measured Depth (ft):	3290'				
Fresh Water Depth (ft):	None	4 1/2"	3241.5'	3241.5'	150 sks
Salt Water Depth (ft):	None				
Is Coal being mined in ares (Y/N)?	No				
Coal Depths (ft): x	1060'-1070'				
Void(s) encountered (Y/N) depth(s):	NONE				

OPEN FLOW DATA \* Waterflood Producer

Producing formation Gordon Pay zone depth (ft) 3135'-3139'  
3156'-3157'  
 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

1/5/12  
 Date

05/25/2012

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 perms 3135'-3139', 3140'-3143', 3146'-3147, and 3156'-3157'  
w/ 750 gals. 15% HCL, 246 bbls cross linked gel, and 14,500# 20/40 sand.

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

Shale w/ sand streaks	0	-	1060
Coal	1060	-	1070
Shale	1070	-	1156
Sand	1156	-	1175
shale	1175	-	1215
sand	1215	-	1225
shale	1225	-	1252
sand	1252	-	1266
shale	1266	-	1341
sand	1341	-	1354
shale	1354	-	1568
sand	1568	-	1598
shale	1598	-	1604
sand	1604	-	1609
shale	1609	-	1658
sand	1658	-	1704
shale	1704	-	1728
sand	1728	-	1784
shale	1784	-	1876
sand	1876	-	1904
shale	1904	-	1925
sand	1925	-	1975
shale	1975	-	2086
sand	2086	-	2102
shale	2102	-	2210
sand	2210	-	2213
shale	2213	-	2236
Big Lime	2236	-	2320
Big Injun	2320	-	2536
shale	2536	-	3098
Gordon Stray	3098	-	3122
shale	3122	-	3133
Gordon	3133	-	3158
shale	3158	-	3164

05/25/2012