

**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 287

LOCATION: Elevation: 1,405' Quadrangle: PINE GROVE 7.5'

District: GRANT County: WETZEL
Latitude: 12,565 Feet south of 39 Deg 37 Min 30 Sec. JUL 0 12
Longitude: 780 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:	Derek Haught				
Date Permit Issued:	07/06/2011				
Date Well Work Commenced:	12/16/2011				
Date Well Work Completed:	01/16/2012				
Verbal Plugging:					
Date Permission Granted On:					
Rotary X Cable Rig		7"	1352'	1352'	285 sks
Total vertical Depth (ft):	3560'				
Total Measured Depth (ft):	3762'				
Fresh Water Depth (ft):	1200'	4 1/2"	3627.3'	3627.3'	200 sks
Salt Water Depth (ft):	none				
Is Coal being mined in ares (Y/N)?	No				
Coal Depths (ft): x	1199'-1206'				
Void(s) encountered (Y/N) depth(s):	NONE				

OPEN FLOW DATA

* Waterflood Producer

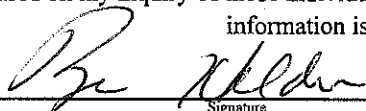
This well drilled directionally 26.5 degrees NE a distance of 780'.

3468'-3476'

Producing formation Gordon Pay zone depth (ft) 3504'-3506'
 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

7/3/12
Date

08/03/2012

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 Perfs 3468'-3476', 3478'-3483', and 3504'-3506' w/ 300 gals 15% HCL, 322 bbls cross linked gel, and 19,000 # 20/40 sand.

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

Shale w/ sand streaks	0	-	1199
Coal	1199	-	1206
Shale w/ sand streaks	1206	-	1672
Sand	1672	-	1726
shale	1726	-	1779
sand	1779	-	1831
shale	1831	-	1860
sand	1860	-	1902
shale	1902	-	1980
sand	1980	-	2028
shale	2028	-	2048
sand	2048	-	2112
shale	2112	-	2351
sand	2351	-	2388
shale	2388	-	2400
sand	2400	-	2409
Big Lime	2409	-	2530
Big Injun	2530	-	2760
shale	2760	-	3428
Gordon Stray	3428	-	3456
shale	3456	-	3467
Gordon	3467	-	3484
shale	3484	-	3502
sand	3502	-	3506
shale	3506	-	3762
TD	3762		
T.D. -Logger	3612	KB	
T.D. -Driller	3762	KB	

08/03/2012