

**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.: L.E. DULANEY 282
 LOCATION: Elevation: 1,405' Quadrangle: PINE GROVE 7.5'
 District: GRANT County: WETZEL
 Latitude: 12,580 Feet south of 39 Deg 37 Min 30 Sec.
 Longitude: 805 Feet west of 80 Deg 40 Min 0 Sec.

JUL 9 2011

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:	07/05/2011				
Date Well Work Commenced:	12/12/2011				
Date Well Work Completed:	01/16/2012				
Verbal Plugging:					
Date Permission Granted On:					
Rotary X Cable Rig		7"	1384'	1384'	345 sks
Total vertical Depth (ft):	3530'				
Total Measured Depth (ft):	3555'				
Fresh Water Depth (ft):	none	4 1/2"	3402.6'	3402.6'	200 sks
Salt Water Depth (ft):	none				
Is Coal being mined in ares (Y/N)?	No				
Coal Depths (ft): x	1161'-1169'				
Void(s) encountered (Y/N) depth(s):	NONE				

OPEN FLOW DATA

* Waterflood Producer

This well drilled directionally 20 degrees NW a distance of 261'. 3285'-3291.5'

Producing formation Gordon Pay zone depth (ft) 3319.5'-3321'

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

7/2/12
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. 3285'-3291.5' and 3319.5'-3321' w/ 300 gals 15% HCL, 365 bbls cross linked gel, and 20,400# 20/40 sand.

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

Shale w/ sand streaks	0	-	1161
Coal	1161	-	1169
Shale w/ sand streaks	1169	-	1670
Sand	1670	-	1717
shale	1717	-	1772
sand	1772	-	1826
shale	1826	-	1835
sand	1835	-	1852
shale	1852	-	1857
sand	1857	-	1896
shale	1896	-	1976
sand	1976	-	2109
shale	2109	-	2342
sand	2342	-	2352
shale	2352	-	2376
sand	2376	-	2384
Big Lime	2384	-	2490
Big Injun	2490	-	2680
shale	2680	-	3247
Gordon Stray	3247	-	3274
shale	3274	-	3283
Gordon	3283	-	3292
shale	3292	-	3316
sand	3316	-	3321
shale	3321	-	3555
TD	3555		
T.D. -Logger	3426	KB	
T.D. -Driller	3555	KB	

08/03/2012