

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

Farm name: WV PUBLIC LANDS CORP. Operator Well No.: IRENE REILLY 16  
 LOCATION: Elevation: 1,117' Quadrangle: CENTERPOINT 7.5'  
 District: GREEN County: WETZEL  
 Latitude: 1,840 Feet south of 39 Deg 30 Min 0 Sec.  
 Longitude: 9,760 Feet west of 80 Deg 40 Min 0 Sec.

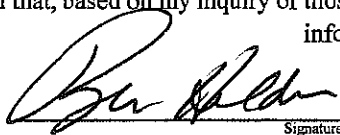
APR 23 2012

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:	6/23/2011				
Date Well Work Commenced:	10/13/2011				
Date Well Work Completed:	11/21/2011				
Verbal Plugging:					
Date Permission Granted On:					
Rotary X Cable Rig		7"	1094'	1094'	270 sks
Total vertical Depth (ft):	3170'				
Total Measured Depth (ft):	3170'				
Fresh Water Depth (ft):	400'	4 1/2"	3088.95'	3088.95'	150 sks
Salt Water Depth (ft):	None				
Is Coal being mined in ares (Y/N)?	No				
Coal Depths (ft): x	836'-846'				
Void(s) encountered (Y/N) depth(s):	NONE				

OPEN FLOW DATA \* Waterflood Producer

Producing formation	<u>Gordon</u>	Pay zone depth (ft)	<u>2950'-2951'</u> <u>2979'-2980'</u>
Gas: Initial open flow	* <u>        </u> MCF/d	Oil: Initial open flow	* <u>        </u> Bbl/d
Final open flow	* <u>        </u> MCF/d	Final open flow	* <u>        </u> Bbl/d
Time of open flow between initial and final tests	* <u>        </u> Hours		
Static rock pressure	* <u>        </u> psig (surface pressure)	after	* <u>        </u> Hours
Second producing formation	<u>        </u>	Pay zone depth (ft)	<u>        </u>
Gas: Initial open flow	<u>        </u> MCF/d	Oil: Initial open flow	<u>        </u> Bbl/d
Final open flow	<u>        </u> MCF/d	Final open flow	<u>        </u> Bbl/d
Time of open flow between initial and final tests	<u>        </u> Hours		
Static rock pressure	<u>        </u> psig (surface pressure)	after	<u>        </u> 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

3/6/12  
Date

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 2950'-2591', 2953'-2961', 2964'-2965', 2975.5'-2976.5', and 2979'-2980' w/ 500 gals 15% HCL, 362 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	-	836
Coal	836	-	846
Sand/Shale	846	-	1054
sand	1054	-	1076
shale	1076	-	1139
sand	1139	-	1174
shale	1174	-	1288
sand	1288	-	1334
shale	1334	-	1384
sand	1384	-	1441
shale	1441	-	1454
sand	1454	-	1483
shale	1483	-	1496
sand	1496	-	1531
shale	1531	-	1599
sand	1599	-	1616
shale	1616	-	1632
sand	1632	-	1640
shale	1640	-	1692
sand	1692	-	1725
shale	1725	-	1790
sand	1790	-	1800
shale	1800	-	1874
sand	1874	-	1912
shale	1912	-	2054
sand	2054	-	2069
shale	2069	-	2081
sand	2081	-	2106
Big Lime	2106	-	2174
Big Injun	2174	-	2343
shale	2343	-	2921
Gordon Stray	2921	-	2939
shale	2939	-	2947
Gordon	2947	-	2966
shale	2966	-	2974
Sand	2974	-	2984
shale	2984	-	3170
TD	3170		
T.D. -Logger	3156	KB	
T.D. -Driller	3170	KB	