

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

Farm name: WAYNE, ROBERTA B. Operator Well No.: ANTHONY LOVEALL 8
LOCATION: Elevation: 810' Quadrangle: PINE GROVE 7.5'
District: GREEN County: WETZEL
Latitude: 11,010 Feet south of 39 Deg 32 Min 30 Sec.
Longitude: 5,145 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:	09/18/2012				
Date Well Work Commenced:	10/19/2012				
Date Well Work Completed:	11/07/2012				
Verbal Plugging:					
Date Permission Granted On:					
Rotary X Cable Rig		7"	805'	805'	200 sks
Total vertical Depth (ft):	2870'				
Total Measured Depth (ft):	2870'				
Fresh Water Depth (ft):	60', 140'	4 1/2"	2835.2'	2835.2'	210 sks
Salt Water Depth (ft):	1560'				
Is Coal being mined in ares (Y/N)?	No				
Coal Depths (ft): x	540'-550'				
Void(s) encountered (Y/N) depth(s):	NONE				

OPEN FLOW DATA * Waterflood Injector

Producing formation Gordon Pay zone depth (ft) 2652'-2658'
2688'-2690.5'
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.

Bruce Helder Signature 1/3/13 Date

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Department

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 2652'-2658', 2660'-2669', 2681'-2682', 2683.5'-2684.5', & 2688'-2690.5' w/
1500 gals 15% HCL, 377 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	-	540
Coal	540	-	550
Shale w/ sand streaks	550	-	1082
Sand	1082	-	1118
shale	1118	-	1190
sand	1190	-	1204
shale	1204	-	1218
sand	1218	-	1278
shale	1278	-	1345
sand	1345	-	1370
shale	1370	-	1495
sand	1495	-	1526
shale	1526	-	1574
sand	1574	-	1606
shale	1606	-	1647
sand	1647	-	1670
shale	1670	-	1754
sand	1754	-	1770
shale	1770	-	1783
sand	1783	-	1794
Big Lime	1794	-	1848
Big Injun	1848	-	2058
shale	2058	-	2624
Gordon stray	2624	-	2640
shale	2640	-	2647
Gordon	2647	-	2672
shale	2672	-	2680
sand	2680	-	2692
shale	2692	-	2870
TD	2870		

T.D. -Logger 2889 KB
T.D. -Driller 2870 KB

01/25/2013