

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

Farm name: NIDAY, ORLAND B. Operator Well No.: P.A. BAYS 101
 LOCATION: Elevation: 1,173' Quadrangle: LOONEYVILLE 7.5'
 District: SMITHFIELD County: ROANE
 Latitude: 14,275 Feet south of 38 Deg 45 Min 0 Sec.
 Longitude: 9,060 Feet west of 81 Deg 15 Min 0 Sec.

Company Address:	HG Energy 5260 DuPont Road Parkersburg, WV 26101	Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Inspector:	Ed Gainer				
Date Permit Issued:	09/06/2012				
Date Well Work Commenced:	12/03/2012				
Date Well Work Completed:	12/09/2012				
Verbal Plugging:					
Date Permission Granted On:					
Rotary X Cable	Rig	8 5/8"	587'	587'	245 sks
Total vertical Depth (ft):	2360'				
Total Measured Depth (ft):	2360'				
Fresh Water Depth (ft):	none	4 1/2"	2329.4'	2329.4'	280 sks
Salt Water Depth (ft):	1790'				
Is Coal being mined in ares (Y/N)?	No				
Coal Depths (ft):	None				
Void(s) encountered (Y/N) depth(s):	NONE				

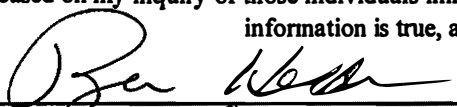
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Office of Oil and Gas
MAR 12 2013
WV Department of Environmental Protection

OPEN FLOW DATA

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

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

 Date

06/07/2013

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 : Not Completed

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

Shale w/ sand streaks	0	-	1012
Sand	1012	-	1118
shale	1118	-	1208
sand	1208	-	1234
shale	1234	-	1268
sand	1268	-	1309
shale	1309	-	1367
sand	1367	-	1420
shale	1420	-	1466
sand	1466	-	1545
shale	1545	-	1572
sand	1572	-	1615
shale	1615	-	1698
sand	1698	-	2000
Little Lime	2000	-	2028
Pencil Cave	2028	-	2042
Big Lime	2042	-	2167
Big Injun	2167	-	2210
Shale	2210	-	2360
TD	2360		
T.D. -Logger	2359	KB	
T.D. -Driller	2360	KB	