

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

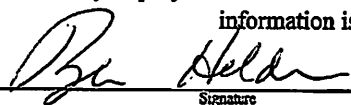
Farm name: DALLISON LUMBER INC. Operator Well No.: J.U. JOLLIFFE 289  
 LOCATION: Elevation: 1,361' Quadrangle: PINE GROVE 7.5'  
 District: GRANT County: WETZEL  
 Latitude: 550 Feet south of 39 Deg 35 Min 0 Sec.  
 Longitude: 7,670 Feet west of 80 Deg 37 Min 30 Sec.

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:	07/14/2011				
Date Well Work Commenced:	01/02/2012				
Date Well Work Completed:	01/20/2012				
Verbal Plugging:					
Date Permission Granted On:					
Rotary X Cable Rig		7"	1356'	1356'	385 sks
Total vertical Depth (ft):	3570'				
Total Measured Depth (ft):	3900'				
Fresh Water Depth (ft):	none	4 1/2"	3723.6'	3723.6'	200 sks
Salt Water Depth (ft):	none				
Is Coal being mined in ares (Y/N)?	No				
Coal Depths (ft): x	1076'-1083'				
Void(s) encountered (Y/N) depth(s):	NONE				

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OPEN FLOW DATA \* Waterflood Producer WV Department of Environmental Protection  
 This well drilled directionally 238° SW a distance of 1054'. 3506'-3514'  
 Producing formation Gordon Pay zone depth (ft) 3516'-3527'  
 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  
11/19/12  
Date

103-02679

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 3506'-3514' and 3516'-3527' w/ 300 gals 15% HCL, 264 bbls cross linked gel, and 8,500# 20/40 sand.

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

Shale w/ sand streaks	0	-	1076
Coal	1076	-	1083
Shale w/ sand streaks	1083	-	1638
sand	1638	-	1647
shale	1647	-	1720
sand	1720	-	1763
shale	1763	-	1794
sand	1794	-	1812
shale	1812	-	1881
sand	1881	-	1891
shale	1891	-	1924
sand	1924	-	1981
shale	1981	-	2018
sand	2018	-	2064
shale	2064	-	2165
sand	2165	-	2176
shale	2176	-	2256
sand	2256	-	2266
shale	2266	-	2332
sand	2332	-	2348
shale	2348	-	2366
sand	2366	-	2377
Big Lime	2377	-	2514
Big Injun	2514	-	2794
shale	2794	-	3470
Gordon Stray	3470	-	3495
shale	3495	-	3502
Gordon	3502	-	3530
shale	3530	-	3542
sand	3542	-	3546
shale	3546	-	3900
TD	3900		
T.D. -Logger	3855	KB	

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Environmental Protection

04/10/2015