

**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.: L.S. HOYT 293
 LOCATION: Elevation: 979' Quadrangle: PINE GROVE 7.5'
 District: GRANT County: WETZEL
 Latitude: 9,400 Feet south of 39 Deg 37 Min 30 Sec.
 Longitude: 6,525 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:	07/10/2012				
Date Well Work Commenced:	07/30/2012				
Date Well Work Completed:	08/10/2012				
Verbal Plugging:					
Date Permission Granted On:					
Rotary X Cable Rig		7"	966'	966'	250 sks
Total vertical Depth (ft):	3020'				
Total Measured Depth (ft):	3020'				
Fresh Water Depth (ft):	50'	4 1/2"	2976.35'	2976.35'	150 sks
Salt Water Depth (ft):	none				
Is Coal being mined in ares (Y/N)?	No				
Coal Depths (ft): x	700'-710'				
Void(s) encountered (Y/N) depth(s):	NONE				

OPEN FLOW DATA * Waterflood Producer

Producing formation	<u>Gordon</u>	Pay zone depth (ft)	<u>2865'-2875'</u> <u>2876'-2879'</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.

Derek Haught
Signature

10/2/12
Date

WV Department of Environmental Protection
11/30/2012

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 perms 2865'-2875' & 2876'-2879' w/ 500 gals 15% HCL acid, 313 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	-	700
Coal	700	-	710
Shale w/ sand streaks	710	-	1314
Sand	1314	-	1348
shale	1348	-	1402
sand	1402	-	1445
shale	1445	-	1470
sand	1470	-	1506
shale	1506	-	1512
sand	1512	-	1550
shale	1550	-	1578
sand	1578	-	1598
shale	1598	-	1773
sand	1773	-	1790
shale	1790	-	1830
sand	1830	-	1856
shale	1856	-	1874
sand	1874	-	1956
shale	1956	-	1970
sand	1970	-	1978
shale	1978	-	1980
Big Lime	1980	-	2040
Big Injun	2040	-	2266
shale	2266	-	2839
Gordon Stray	2839	-	2854
shale	2854	-	2860
Gordon	2860	-	2880
shale	2880	-	2883
sand	2883	-	2888
shale	2888	-	2891
sand	2891	-	2901
shale	2901	-	3020
TD	3020		

T.D. -Logger 2988 KB
T.D. -Driller 3020 KB

11/30/2012