

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: **Heartwood Forest Land** Operator Well No.: **Sprouse #9**

LOCATION: Elevation: **833'** Quadrangle: **Gilmer 7.5'**

District: **Glenville** County: **Gilmer**
Latitude: **5,082** Feet South of **38** Deg. **57** Min. **30** Sec.
Longitude: **10,692** Feet West of **80** Deg. **37** Min. **30** Sec.

Company: **DORWARD ENERGY CORP.**
447 3rd Ave. North Suite 400
St. Petersburg, FL 33701

Agent: **Edwin Bartlett**

INSPECTOR: **Bryan Harris**

Permit Issued: **11/06/13**
Well work commenced: **12/03/13**
Well Work completed: **12/07/13**

Verbal Plugging

Permission granted on:

Rotary **X** Cable Rig

Total Depth (feet) **3074' LTD**

Fresh water depths (ft) **340'**

Salt water depths (ft) **none**

Is coal being mined in area (Y/N)? **N**

Coal Depths (ft): **none reported**

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
9 5/8"	210'	210'	C.T.S.
7"	718'	718'	C.T.S.
4 1/2"		2158'	75 sks.

RECEIVED
Office of Oil & Gas

MAR 20 2014

OPEN FLOW DATA

Producing formation **Big Injun** Pay zone depth (ft) **see treat.**

Gas: Initial open flow **na** MCF/d Oil: Initial open flow **na** Bbl/d
 Final open flow **150** MCF/d Final open flow **1** Bbl/d
 Time of open flow between initial and final tests **4** Hours
 Static Rock pressure **135** psig (surface pressure) after **72** Hours

Second producing formation **na** 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

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATION, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: *David A. Dorward, Pres.*
Dorward Energy Corp.

By: **David A. Dorward, President**

Date: **March 11, 2014**

04/18/2014

21.05764

1st Stage: Big Injun(2066-2072) 1000 Gal. 15% HCl, 20 ton CO2, 303 mcf N2,
35,300# 20/40 sand, 164 bbl of H2O

sand, shale	0	365	1" stream at 340'
sand, shale, redrock	365	1010	
sand, shale	1010	1848	
Little Lime	1848	1862	
shale	1862	1900	
Big Lime	1900	1958	
Big Injun	1958	2084	
sand, shale	2084	2516	
Gordon Section	2516	2588	
shale	2588	2796	
Fifth Sand	2796	2833	
shale	2833	3080	DTD
		3073	LTD

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