

WR-35

DATE: 6/12/12
API: 47-097-03748-97.03748

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

Office of Oil & Gas

JUL 30 2012

Well Operator's Report of Well Work

WV Department of
Environmental Protection
Jones #9 D01004

Farm Name: Hartzel Marple Operator Well No. _____

LOCATION: Elevation: 1153.15' Quadrangle: Berlin
District: Warren County: Upshur
Latitude: 3965' Feet S. of 39 Deg. 05 Min. 00 Sec.
Longitude: 8870' Feet W. of 80 Deg. 15 Min. 00 Sec.

Company: Devonian Gas Production, Inc.

Address:	Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. Ft.
<u>PO Box 907</u>	<u>9 5/8</u>	<u>30</u>	<u>conductor</u>	<u>pulled</u>
<u>Jane Lew, WV 26378</u>	<u>7"</u>	<u>960'</u>	<u>960'</u>	<u>to surface</u>
Agent: <u>John Haskins</u>	<u>4 1/2"</u>		<u>4909'</u>	<u>205 sks</u>
Inspector: <u>Bill Hatfield</u>				
Date Permit Issued: <u>07/12/10</u>				
Date Well Work Commenced: <u>11/20/10</u>				
Date Well Work Completed: <u>12/17/10</u>				
Verbal Plugging:				
Date Permission Granted on:				
Rotary X Cable Rig				
Total Depth (ft): <u>4940'</u>				
Fresh Water Depth (ft): <u>16'</u>				
Salt Water Depth (ft): <u>NA</u>				

Is coal being mined in the area (Y/N)? N
Coal Depths (ft): n/a

OPEN FLOW DATA

Producing formations	Pay zone depth (ft)
<u>Bradford</u>	<u>3583'</u>
<u>Benson</u>	<u>4408'</u>
<u>Elk</u>	<u>4792'</u>
_____	_____
_____	_____

Gas: Initial open flow odor Mcf/d. Oil: Initial open flow N/A Bbl/d
Final open flow 230 Mcf/d. Final open flow N/A Bbl/d
Time to open flow between initial and final tests: 4 Hours
Static rock Pressure 1700 psig (surface press.) after 48 Hours

NOTE: On back of this form 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 all formations, including coal encountered by the wellbore.

Signed: [Signature]
By: John Haskins
Date: 6/12/12

08/17/2012

HYDRAULIC FRACTURING DETAILS

STAGE	FORMATION	PERFORATIONS	SAND
		# of shots	20/40
1st Stage	Elk	12	40,000
2nd Stage	Benson	11	40,000
3rd Stage	Bradford	10	30,000

DRILLERS LOG

FORMATION	FROM	TO
Fill	0	15
sand & shale	15	225
red rock & shale	225	577
sand & shale	577	1,115
red rock & shale	1,115	1,325
Little Lime	1,325	1,457
red rock	1,457	1,590
Big Lime	1,590	1,670
Injun	1,670	1,676
sand & shale	1,676	2,404
Fifth Sand	2,404	2,484
Bayard	2,484	2,492
sand & shale	2,492	3,579
Bradford	3,579	3,631
sand & shale	3,631	4,405
Benson	4,405	4,431
sand & shale	4,431	4,788
Elk	4,788	TD

ELECTRIC LOG

FORMATION	DEPTH
Big Lime	1,590
Big Injun	1,672
Fifth Sand	2,404
Bayard	2,484
Bradford	3,579
Benson	4,405
Elk	4,788