

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 1-31-2012  
API #: 47-069-00064

Farm name: Glenn Didriksen

Operator Well No.: 8H

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LOCATION: Elevation: 1380'

Quadrangle: Valley Grove WV

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District: Liberty County: Ohio  
Latitude: 3260' Feet South of 40 Deg. 07 Min. 30 Sec.  
Longitude 3970' Feet West of 80 Deg. 35 Min. 00 Sec.

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MORGANTOWN, WV

Company: Chesapeake Appalachia, L.L.C.

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
P.O. Box 18496 Oklahoma City, OK 73154-0496	26"	40'	40'	Driven
Agent: Eric Gillespie	20"	100'	100'	Driven
Inspector: <b>Bill Hendershot</b>	13 3/8"	622'	622'	720 cf
Date Permit Issued: 11/18/2010	9 5/8"	2093'	2093'	883 cf
Date Well Work Commenced: 12/18/2010	5 1/2"	12729'	12729'	2919 cf
Date Well Work Completed: 6/14/2011				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 6,526'				
Total Measured Depth (ft): 12,738'				
Fresh Water Depth (ft.): 30'				
Salt Water Depth (ft.): 1100'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 360', 681				
Void(s) encountered (N/Y) Depth(s) N				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 6,811'-12,573'

Gas: Initial open flow 2,533 MCF/d Oil: Initial open flow 288 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 4,242 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.

Marlene Wiley Am  
Signature

3-14-2012  
Date

Were core samples taken? Yes  No

Were cuttings caught during drilling? Yes  No

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list GR, INDUCTION, NEUTRON, DENSITY

**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.**

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Perforated Intervals, Fracturing, or Stimulating:

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(See Attached)

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Plug Back Details Including Plug Type and Depth(s):

<u>Formations Encountered:</u>	<u>Top Depth</u>	/	<u>Bottom Depth</u>
<u>Surface:</u>			

(SEE ATTACHED)

LITHOLOGY	TOP DEPTH (FT)	BOTTOM DEPTH (FT)
SHALE and SLTST	0	120
LMST and SHALE	120	150
SLTST and LMST	150	180
LMST and SHALE	180	240
SS and SHALE	240	270
SLTST	270	300
SS	300	360
COAL and SS	360	390
COAL and SLTS	390	420
SS	420	480
SHALE and SS	480	510
LMST	510	540
LMST and SHALE	540	570
LMST	570	600
LMST and SHALE	600	630
SHALE and SS	630	660
SS and SHALE	660	681
Pittsburgh Coal	681	690
SS and LMST	690	720
LMST and SHALE	720	750
SS and SHALE	750	780
SS	780	840
SS and SHALE	840	900
SHALE	900	930
No returns	930	960
SS and SHALE	960	990
SS and SHALE	990	1671
Big Lime	1671	1856
Big Injun	1856	2105
SS	2105	2130
SS and SLTST	2130	2160
SS	2160	2190
SLTST and SHALE	2190	2250
SS and SLTST	2250	2280
SHALE	2280	2310
SHALE and SLTST	2310	2340
SHALE	2340	4050
SS	4050	4110
SHALE	4110	4170
SHALE and SS	4170	4200
SHALE	4200	5220
SHALE and SS	5220	5250
SHALE	5250	5340
SHALE and SS	5340	5370

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SHALE	5370	5400
SHALE and SS	5400	5430
SS and SHALE	5430	5460
SHALE and SS	5460	5610
SHALE	5610	6200
SHALE and LMST	6200	6364
Geneseo	6364	6390
Tully	6390	6457
Hamilton	6457	6557
Marcellus	6557	12738

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