

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

DATE: 10 . 11 . 2010
API #: 47 . 099 . 02240

Farm name: Swain, Martin Operator Well No.: Swain # 1
 LOCATION: Elevation: 726' Quadrangle: Prichard 7.5
 District: Butler County: Wayne
 Latitude: 11°34.9' Feet South of 38 Deg. Min. Sec.
 Longitude 30°46.1' Feet West of 82 Deg. Min. Sec.

Company:

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
P. O. Box 505, Route 1, Patrick Creek Road, Wayne, West Virginia 25570	13 3/8	0034'	0034'	11.55 CF
Agent: <u>Rodney M Wirick</u>				
Inspector: <u>Gary Scites & Ralph Triplett</u>	9 5/8	0267'	0267'	101.60 CF
Date Permit Issued: <u>08 . 10 . 2007</u>				
Date Well Work Commenced: <u>12 . 31 . 2007</u>	7	1662'	1662'	271.50 CF
Date Well Work Completed:				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input type="checkbox"/> Cable <input checked="" type="checkbox"/> Rig				
Total Vertical Depth (ft): <u>3008'</u>				
Total Measured Depth (ft): <u>3008'</u>				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.): <u>1124'</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.):				
Void(s) encountered (N/Y) Depth(s)				

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

Producing formation Berea Pay zone depth (ft) ^{1918' - 1932'}

Gas: Initial open flow 5 MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow Natural Flow MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests Hours

Static rock Pressure psig (surface pressure) after Hours

Second producing formation Shale Pay zone depth (ft) ^{2395' - 2980'}

Gas: Initial open flow MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow Natural Flow MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests Hours

Static rock Pressure psig (surface pressure) after Hours

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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.

Rodney M Wirick
Signature

10-11-2010
Date

02/19/2016

Were core samples taken? Yes _____ No X

Were cuttings caught during drilling? Yes X 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.

Perforated Intervals, Fracturing, or Stimulating:

Shot	14' Between	1918'	.	1932'
Shot	25' Between	2575'	.	2600'
Shot	15' Between	2725'	.	2740'

Formations Encountered: Top Depth / Bottom Depth

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
Surface	0000	0025
Sand	0025	0050
Slate	0050	0140
Sand	0140	0220
Sand Slate	0220	0263
Sand Shale	0263	0320
Sand	0320	0445
Shale	0445	0448
Salt Sand	0448	1124
Shale	1124	1144
Little Lime	1144	1147
Big Lime	1147	1180
Pencil Cave	1180	1284
Slate	1284	1290
Injun Sand	1290	1350

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Were _____ Electrical, _____ Mechanical, _____ 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.

Perforated Intervals, Fracturing, or Stimulating:

Formations Encountered: _____ Top Depth _____ / _____ Bottom Depth

Surface:

Formations Encountered	Top Depth	Bottom Depth
Slate	1350	1527
Shells	1527	1700
Slate	1700	1710
Shells	1710	1820
Slate	1820	1825
Gas Show	1825	1973
Black Shale	1973	2030
Gray Shale	2030	2383
Brown Shale	2383	2808
White Shale	2808	2973
Brown Shale	2973	3008
Total Depth		3008

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