

WR-35
Rev (9-11)

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

DATE: 12/12/2011
API #: 47-061-01626

Farm name: Rebecca S. Moore, et al Operator Well No.: Staller 3H

LOCATION: Elevation: 1,057' Quadrangle: Blacksville

District: Clay County: Monongalia
Latitude: 190 Feet South of ³⁹ Deg. ⁴² Min. ³⁰ Sec.
Longitude 3,230 Feet West of ⁸⁰ Deg. ¹⁰ Min. ⁰⁰ Sec.

Company: Northeast Natural Energy LLC

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
707 Virginia Street East, Suite 1400 Charleston, WV 25301	20"	43'	43'	to surface
Agent: <u>John D. Adams</u>	13 3/8"	1,028'	1,028'	to surface
Inspector: <u>Sam Ward</u>	9 5/8"	2,196'	2,196'	to surface
Date Permit Issued: <u>May 27, 2011</u>	5 1/2"	13,069'	13,069'	2,056 cu. ft.
Date Well Work Commenced: <u>July 13, 2011</u>				
Date Well Work Completed: <u>Sept. 10, 2011</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): <u>7,888'</u>				
Total Measured Depth (ft): <u>13,110'</u>				
Fresh Water Depth (ft.): <u>NA</u>				
Salt Water Depth (ft.): <u>400'-1800'</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>400'-850'</u>				
Void(s) encountered (N/Y) Depth(s) <u>N</u>				

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

Producing formation Marcellus Shale Pay zone depth (ft) 7,810
Gas: Initial open flow 5,506 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 4,601 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 50 Hours
Static rock Pressure 3,350 psig (surface pressure) after 9 Hours

Second producing formation N/A Pay zone depth (ft) N/A
Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d
Final open flow N/A MCF/d Final open flow N/A Bbl/d
Time of open flow between initial and final tests N/A Hours
Static rock Pressure N/A psig (surface pressure) after N/A 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.

B/C
Signature

12/12/11
Date

01/23/2015

61.01626

Were core samples taken? Yes _____ No X Were cuttings caught during drilling? Yes X No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list: Triple Combo

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:

Stg 1: 12757-13059'; 379519 gal; 305869#; 76.2 bpm Stg 7: 10657-10959'; 377561 gal; 387033#; 79.7 bpm Stg 13: 8557-8859'; 375608 gal; 401632#; 70.7 bpm

Stg 2: 12407-12709'; 379191 gal; 400462#; 81.0 bpm Stg 8: 10307-10609'; 377238 gal; 406724#; 80.5 bpm Stg 14: 8207-8509'; 375281 gal; 401714#; 78.5 bpm

Stg 3: 12057-12359'; 378868 gal; 401399#; 82.1 bpm Stg 9: 9957-10259'; 376910 gal; 411176#; 80.8 bpm

Stg 4: 11707-12009'; 378540 gal; 402070#; 81.5 bpm Stg 10: 9607-9909'; 376587 gal; 405222#; 81.5 bpm

Stg 5: 11375-11509'; 378217 gal; 397672#; 81.7 bpm Stg 11: 9257-9559'; 376259 gal; 405336#; 80.9 bpm

Stg 6: 11007-11309'; 377889 gal; 318021#; 80.8 bpm Stg 12: 8907-9209'; 375932 gal; 402204#; 80.9 bpm

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

Pilot Hole PB: Cement plug Class H from 6,717' to 8,108'

Formations Encountered:	Top Depth	Bottom Depth
<u>Surface:</u>		
Sand & Shale 0-2300		
Gordon 2300-2320		
Sand & Shale 2320-2620		
Speechley 2620-2820		
Sand & Shale 2820-7918		
Geneso 7918-7934		
Tully 7934-7708		
Hamilton 7708-7810		
Marcellus 7810-7912		
Onondaga 7912		

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