

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

Farm Name: Webster Operator Well No: WEB-4B-HS

LOCATION: Elevation: 1,289.70

Quadrangle: MAJORSVILLE

District: County: MARSHALL

Latitude: \_\_\_\_\_ Feet South of \_\_\_\_\_ Deg. \_\_\_\_\_ Min. \_\_\_\_\_ Sec. 39.937122

Longitude: \_\_\_\_\_ Feet South of \_\_\_\_\_ Deg. \_\_\_\_\_ Min. \_\_\_\_\_ Sec. -80.554206

Company: CNX Gas Company LLC	Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. Ft.
Address: 200 Evergreene Drive Waynesburg, PA 15370	30"	40'	40'	Grouted In
Agent: Steven Haught	20"	330.0'	330.0'	599 sxs (129 bbls) cemented to surface
Inspector: Bill Hendershot	13-3/8"	926'	926'	715 sxs (162 bbls) cemented to surface
Date Permit Issued: 11/28/2011	9-5/8"	3,174'	3,174'	1030 sxs (229 bbls) cemented to surface
Date Well Work Commenced: <u>4/18/2012</u>	5-1/2"	13,171'	13,171'	2246 sxs (500 bbls) cemented
Date Well Work Completed: <u>6/16/2013</u>				
Verbal Plugging:				
Date Permission granted on: <u>4/18/2012</u>				
Rotary Cable Rig X				
Total Vertical Depth (ft): Original Hole - <u>6,801.04</u>				
Total Measured Depth (ft): <u>13,171.00</u>				
Fresh Water Depth (ft): <u>94</u>				
Salt Water Depth (ft): <u>NONE</u>				
Is coal being mined in the area (N/Y)? <u>Y</u>				
Coal Depths (ft.): <u>785 - 791</u>				
Pittsburgh Coal				
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 Marcellus Pay zone depth (ft) 6801.04  
 Gas: Initial open flow 1386 MCF/d Oil: Initial open flow 5.3 Bbl/d  
 Final open flow 2430 MCF/d Final open flow 2.3 Bbl/d  
 Time of open flow between initial and final tests 24 Hours  
 Static rock Pressure 2539 psig (surface pressure) after 24 Hours

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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

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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.

Laura L. Adkins 8/6/13  
Signature Date

09/27/2013

Were core samples taken? Yes \_\_\_ No X

Were cuttings caught during drilling? Yes X No \_\_\_

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Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list: Gamma Ray Logs

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:

Please see attached

Plug Back Details including Plug Type and Depth(s): Please see attached

Surface:

Formations Encountered:

Formation Name Cashaqua	Drilling Top MD (ftKB) 6,581.0	Drilling Bottom MD (ftKB) 6,698.0
Formation Name Middlesex	Drilling Top MD (ftKB) 6,698.0	Drilling Bottom MD (ftKB) 6,734.0
Formation Name West River	Drilling Top MD (ftKB) 6,734.0	Drilling Bottom MD (ftKB) 6,823.0
Formation Name Burkett	Drilling Top MD (ftKB) 6,823.0	Drilling Bottom MD (ftKB) 6,832.0
Formation Name Tully	Drilling Top MD (ftKB) 6,832.0	Drilling Bottom MD (ftKB) 6,878.0
Formation Name Hamilton	Drilling Top MD (ftKB) 6,878.0	Drilling Bottom MD (ftKB) 7,096.0
Formation Name Marcellus	Drilling Top MD (ftKB) 7,096.0	Drilling Bottom MD (ftKB) 7,121.0
Formation Name Cherry Valley	Drilling Top MD (ftKB) 7,121.0	Drilling Bottom MD (ftKB) 7,128.0
Formation Name Lower Marcellus	Drilling Top MD (ftKB) 7,128.0	Drilling Bottom MD (ftKB)

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Stage #	Formation	Frac Type	Top		Bottom		BD Press		Avg Rate		Frac		Water (gals)
			Perf	Perf	Perf	Perf	ATP (psi)	ATP (psi)	ISIP (psi)	Gradient	Sand (lbs)	Acid (gals)	
1	Marcellus	Slickwater	12,962	13,080	6,683	8,261	89.0	4,502	1.10	292,773	3,000	247,044	
2	Marcellus	Slickwater	12,723	12,877	6,806	8,536	83.0	4,492	1.09	291,427	3,000	300,594	
3	Marcellus	Slickwater	12,475	12,677	5,512	7,974	90.0	4,656	1.12	360,399	3,000	302,274	
4	Marcellus	Slickwater	12,273	12,427	6,715	8,522	86.0	4,393	1.08	292,181	3,000	311,766	
5	Marcellus	Slickwater	12,025	12,227	5,416	8,247	87.0	4,350	1.07	299,672	3,000	280,980	
6	Marcellus	Slickwater	11,823	11,977	6,240	8,247	87.0	4,520	1.10	322,243	3,000	284,172	
7	Marcellus	Slickwater	11,525	11,777	6,862	8,171	89.0	4,541	1.10	431,516	3,000	333,270	
8A	Marcellus	Slickwater	11,225	11,477	6,200	8,346	36.0	4,870	1.15	6,334	6,000	159,222	
8B	Marcellus	Slickwater	11,213	11,324	6,800	7,700	27.0	5,011	1.17	3,792	6,000	96,558	
8C	Marcellus	Slickwater	10,975	11,177	5,773	7,966	89.0	4,575	1.11	434,915	3,000	333,186	
9	Marcellus	Slickwater	10,675	10,927	6,298	8,283	86.0	4,652	1.12	430,865	3,000	366,072	
10	Marcellus	Slickwater	10,375	10,627	6,700	8,084	89.0	4,648	1.12	424,544	3,000	331,506	
11	Marcellus	Slickwater	10,075	10,327	6,244	8,026	90.0	4,907	1.16	432,825	3,000	296,772	
12	Marcellus	Slickwater	9,873	10,027	6,409	7,843	90.0	5,144	1.19	292,193	3,000	256,872	
13	Marcellus	Slickwater	9,625	9,827	6,129	7,805	90.0	4,543	1.10	361,926	3,000	292,194	
14	Marcellus	Slickwater	9,423	9,577	6,888	7,942	90.0	4,655	1.12	292,292	3,000	247,926	
15	Marcellus	Slickwater	9,125	9,377	6,454	7,812	89.0	4,691	1.12	441,521	3,000	326,046	
16	Marcellus	Slickwater	8,825	9,077	5,307	7,973	90.0	5,023	1.17	439,380	3,000	309,624	
17	Marcellus	Slickwater	8,525	8,777	6,598	7,781	89.0	4,509	1.10	400,889	3,000	317,940	
18	Marcellus	Slickwater	8,225	8,477	6,464	7,491	82.0	4,599	1.11	432,018	3,000	365,190	
19	Marcellus	Slickwater	7,925	8,177	6,684	7,494	89.0	4,454	1.09	416,648	3,000	317,100	
20	Marcellus	Slickwater	7,625	7,877	6,559	7,676	89.0	4,605	1.11	351,640	3,000	262,710	
21	Marcellus	Slickwater	7,423	7,575	6,776	7,905	84.0	4,299	1.07	354,214	3,000	260,316	
22	Marcellus	Slickwater	7,223	7,377	6,370	7,891	87.0	4,226	1.06	258,627	3,000	199,038	

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Stage #	Plug Type	Plug Depth
1	No Plug	No Plug
2	Composite Frac Plug	12,900
3	Composite Frac Plug	12,700
4	Composite Frac Plug	12,450
5	Composite Frac Plug	12,250
6	Composite Frac Plug	12,000
7	Composite Frac Plug	11,800
8A,8B,8C	Composite Frac Plug	11,500
9	Composite Frac Plug	10,950
10	Composite Frac Plug	10,650
11	Composite Frac Plug	10,350
12	Composite Frac Plug	10,050
13	Composite Frac Plug	9,850
14	Composite Frac Plug	9,600
15	Composite Frac Plug	9,400
16	Composite Frac Plug	9,100
17	Composite Frac Plug	8,800
18	Composite Frac Plug	8,500
19	Composite Frac Plug	8,200
20	Composite Frac Plug	7,900
21	Composite Frac Plug	7,600
22	Composite Frac Plug	7,400

Received