

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

Date: 5/7/2013  
API: 47-051-01495

Farm Name: Webster Operator Well No: WEB-4E-HS  
LOCATION: Elevation: 1,288.60 Quadrangle: MAJORSVILLE

District: County: MARSHALL  
Latitude: \_\_\_\_\_ Feet South of \_\_\_\_\_ Deg. \_\_\_\_\_ Min. \_\_\_\_\_ Sec. 39.937017  
Longitude: \_\_\_\_\_ Feet South of \_\_\_\_\_ Deg. \_\_\_\_\_ Min. \_\_\_\_\_ Sec. -80.554467

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	346	346	544 sxs (124 bbls) cement to surface
Inspector: Bill Hendershot	13-3/8	885	885	797 sxs (181 bbls) cement to surface
Date Permit Issued: 7/22/2011	9-5/8	3,176	3,176	1049 sxs (237 bbls) cement to surface
Date Well Work Commenced: 4/1/2012	5-1/2	15,543	15,543	2630 sxs (586 bbls) cement
Date Well Work Completed: 6/18/2013				
Verbal Plugging:				
Date Permission granted on: 4/1/2012				
Rotary Cable Rig X				
Total Vertical Depth (ft): Original Hole - 6,830.06				
Total Measured Depth (ft): 15,554.00				
Fresh Water Depth (ft): 94				
Salt Water Depth (ft): NONE				
Is coal being mined in the area (N/Y)? Y				
Coal Depths (ft.): 785- 791				
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) 6,830.06  
Gas: Initial open flow 2111 MCF/d Oil: Initial open flow 2.5 Bbl/d  
Final open flow 2695 MCF/d Final open flow 4.4 Bbl/d  
Time of open flow between initial and final tests 24 Hours  
Static rock Pressure 2450 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

09/13/2013

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) 6,602.0	Drilling Bottom MD (ftKB) 6,734.0
Formation Name Middlesex	Drilling Top MD (ftKB) 6,734.0	Drilling Bottom MD (ftKB) 6,778.0
Formation Name West River	Drilling Top MD (ftKB) 6,778.0	Drilling Bottom MD (ftKB) 6,883.0
Formation Name Burkett	Drilling Top MD (ftKB) 6,883.0	Drilling Bottom MD (ftKB) 6,896.0
Formation Name Tully	Drilling Top MD (ftKB) 6,896.0	Drilling Bottom MD (ftKB) 6,953.0
Formation Name Hamilton	Drilling Top MD (ftKB) 6,953.0	Drilling Bottom MD (ftKB) 7,210.0
Formation Name Marcellus	Drilling Top MD (ftKB) 7,210.0	Drilling Bottom MD (ftKB) 7,239.0
Formation Name Cherry Valley	Drilling Top MD (ftKB) 7,239.0	Drilling Bottom MD (ftKB) 7,246.0
Formation Name Lower Marcellus	Drilling Top MD (ftKB) 7,246.0	Drilling Bottom MD (ftKB)

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Stage #	Formation	Frac Type	Top Perf	Bottom Perf	BD Press (psi)	ATP (psi)	Avg Rate (bpm)	ISIP (psi)	Frac Gradient	Sand (lbs)	Acid (gals)	Water (gals)
1	Marcellus	Slickwater	15,206	15,361	5,504	8,485	85.0	5,274	1.21	353,801	3,000	357,801
2	Marcellus	Slickwater	14,973	15,127	5,610	8,491	86.0	5,357	1.22	287,683	3,000	299,502
3	Marcellus	Slickwater	14,668	14,927	5,637	8,250	84.0	4,500	1.10	457,850	3,000	364,078
4	Marcellus	Slickwater	14,375	14,627	6,438	8,606	89.0	4,694	1.13	442,972	3,000	363,300
5	Marcellus	Slickwater	14,075	14,327	6,177	8,806	88.0	4,573	1.11	440,811	3,000	352,800
6	Marcellus	Slickwater	13,775	14,027	6,570	8,715	89.0	4,666	1.12	454,097	3,000	349,902
7	Marcellus	Slickwater	13,573	13,727	6,518	8,713	85.0	4,655	1.12	297,921	3,000	269,430
8	Marcellus	Slickwater	13,373	13,527	6,407	7,268	79.0	4,300	1.06	293,672	3,000	288,666
9	Marcellus	Slickwater	13,173	13,327	6,111	8,542	87.0	4,507	1.09	303,167	3,000	264,012
10	Marcellus	Slickwater	12,875	13,127	6,249	7,543	80.0	4,459	1.09	293,002	3,000	325,416
11	Marcellus	Slickwater	12,625	12,827	5,934	8,486	85.0	4,332	1.07	365,819	3,000	309,246
12	Marcellus	Slickwater	12,325	12,577	6,320	8,460	88.0	4,396	1.08	430,556	3,000	338,352
13	Marcellus	Slickwater	12,025	12,277	6,360	8,588	89.0	4,588	1.11	453,752	3,000	337,092
14	Marcellus	Slickwater	11,775	11,977	6,465	8,705	88.0	4,308	1.07	363,666	3,000	296,058
15	Marcellus	Slickwater	11,475	11,727	6,382	8,498	89.0	4,698	1.12	445,785	3,000	356,706
16	Marcellus	Slickwater	11,265	11,427	6,644	8,597	87.0	4,632	1.11	366,562	3,000	291,606
17	Marcellus	Slickwater	11,023	11,177	7,118	8,727	89.0	4,490	1.10	294,368	3,000	261,282
18	Marcellus	Slickwater	10,725	10,977	6,383	8,616	89.0	4,596	1.11	428,675	3,000	337,470
19	Marcellus	Slickwater	10,425	10,677	6,356	8,273	88.0	4,334	1.07	368,829	3,000	318,192
20	Marcellus	Slickwater	10,125	10,377	6,392	8,404	90.0	4,319	1.07	435,904	3,000	333,900
21	Marcellus	Slickwater	9,923	10,077	6,807	8,182	90.0	4,514	1.10	287,122	3,000	253,260
22	Marcellus	Slickwater	9,625	9,877	6,530	8,017	89.0	4,412	1.09	444,452	3,000	349,230
23	Marcellus	Slickwater	9,325	9,577	5,086	7,842	90.0	4,800	1.14	435,582	3,000	336,588
24	Marcellus	Slickwater	9,025	9,277	7,049	7,797	86.0	4,034	1.05	400,789	3,000	337,974
25	Marcellus	Slickwater	8,725	8,977	8,967	8,138	45.0	4,500	1.10	1,407	3,000	74,466
25B	Marcellus	Slickwater	8,715	8,772	7,342	7,797	88.0	4,406	1.08	434,635	3,000	330,372
26	Marcellus	Slickwater	8,475	8,672	6,308	8,867	12.0	4,792	1.14	37,346	12,000	203,994
26B	Marcellus	Slickwater	8,495	8,657	7,365	8,161	14.0	4,770	1.14	4,957	9,000	94,206

26C	Marcellus	Slickwater	8,225	8,427	5,573	7,434	89.0	4,476	1.09	444,321	3,000	327,390
27	Marcellus	Slickwater	8,023	8,177	6,547	8,131	88.0	4,438	1.09	287,036	3,000	250,110
28	Marcellus	Slickwater	7,775	7,977	6,465	7,745	89.0	4,561	1.11	352,025	3,000	288,582
29	Marcellus	Slickwater	7,573	7,727	6,665	7,509	90.0	4,986	1.17	304,632	3,000	252,924
30	Marcellus	Slickwater	7,275	7,527	5,712	7,432	88.0	4,241	1.06	314,740	3,000	283,416

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Stage #	Plug Type	Plug Depth
1	No Plug	No Plug
2	Composite Frac Plug	15,150
3	Composite Frac Plug	14,950
4	Composite Frac Plug	14,650
5	Composite Frac Plug	14,350
6	Composite Frac Plug	14,050
7	Composite Frac Plug	13,750
8	Composite Frac Plug	13,550
9	Composite Frac Plug	13,350
10	Composite Frac Plug	13,150
11	Composite Frac Plug	12,850
12	Composite Frac Plug	12,600
13	Composite Frac Plug	12,300
14	Composite Frac Plug	12,000
15	Composite Frac Plug	11,750
16	Composite Frac Plug	11,450
17	Composite Frac Plug	11,200
18	Composite Frac Plug	11,000
19	Composite Frac Plug	10,700
20	Composite Frac Plug	10,400
21	Composite Frac Plug	10,100
22	Composite Frac Plug	9,900
23	Composite Frac Plug	9,600
24	Composite Frac Plug	9,300
25A,25B	Composite Frac Plug	9,000
26A,26B,26C	Composite Frac Plug	8,700
27	Composite Frac Plug	8,200
28	Composite Frac Plug	8,000
29	Composite Frac Plug	7,750
30	Composite Frac Plug	7,550
	Bridge Plug	6,500

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