

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-4H-HS
LOCATION: Elevation: 1,289.00 Quadrangle: MAJORSVILLE

District: County: MARSHALL
Latitude: _____ Feet South of Deg. Min. Sec. 39.937258
Longitude: _____ Feet South of Deg. Min. Sec. -80.554328

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	Cemented In
Agent: Steven Haught	20	338	338	606 sxs (105 bbls) cemented to surface
Inspector: Bill Hendershot	13-3/8	882	882	692 sxs (146 bbls) cemented to surface
Date Permit Issued: 5/21/2012	9-5/8	3,167	3,167	1106 sxs (234 bbls) cemented to
Date Well Work Commenced: 6/6/2012	5-1/2	10,630	10,630	1700 sxs (395 bbls) cement
Date Well Work Completed: 6/15/2013				
Verbal Plugging:				
Date Permission granted on: 6/6/2012				
Rotary Cable Rig X				
Total Vertical Depth (ft): Original Hole - 6,692.68				
Total Measured Depth (ft): 10,631.00				
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) 6692.68
Gas: Initial open flow 884 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 2853 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 900 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 ___

51-01549

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) 6,922.0	Drilling Bottom MD (ftKB) 7,068.0
Formation Name Middlesex	Drilling Top MD (ftKB) 7,068.0	Drilling Bottom MD (ftKB) 7,124.0
Formation Name West River	Drilling Top MD (ftKB) 7,124.0	Drilling Bottom MD (ftKB) 7,291.0
Formation Name Burkett	Drilling Top MD (ftKB) 7,291.0	Drilling Bottom MD (ftKB) 7,305.0
Formation Name Tully	Drilling Top MD (ftKB) 7,305.0	Drilling Bottom MD (ftKB) 7,382.0
Formation Name Hamilton	Drilling Top MD (ftKB) 7,382.0	Drilling Bottom MD (ftKB) 7,654.0
Formation Name Marcellus	Drilling Top MD (ftKB) 7,654.0	Drilling Bottom MD (ftKB) 7,671.0
Formation Name Cherry Valley	Drilling Top MD (ftKB) 7,671.0	Drilling Bottom MD (ftKB) 7,676.0
Formation Name Lower Marcellus	Drilling Top MD (ftKB) 7,676.0	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	10,376	10,530	5,705	7,746	63.0	3,851	1.23	386,006	3,000	289,380
2	Marcellus	Slickwater	10,025	10,277	5,589	8,385	86.0	3,951	1.02	455,898	3,000	376,446
3	Marcellus	Slickwater	9,725	9,977	5,527	8,602	86.0	4,125	1.05	444,157	3,000	347,760
4	Marcellus	Slickwater	9,424	9,677	5,464	7,888	11.0	4,490	1.33	6,270	6,000	151,200
4B	Marcellus	Slickwater	9,401	9,603	5,946	8,548	87.0	4,513	1.34	423,681	3,000	325,290
5	Marcellus	Slickwater	9,125	9,377	5,120	8,353	89.0	4,739	1.14	416,015	3,000	320,292
6	Marcellus	Slickwater	8,825	9,077	5,508	7,850	87.0	4,421	1.34	325,276	3,000	320,376
7	Marcellus	Slickwater	8,525	8,777	6,039	8,033	90.0	4,408	1.09	449,709	3,000	365,190
8	Marcellus	Slickwater	8,323	8,477	5,853	8,185	81.0	4,800	1.15	290,776	3,000	347,659
9	Marcellus	Slickwater	8,150	8,252	6,039	7,398	81.0	4,669	1.39	301,651	3,000	286,776
10	Marcellus	Slickwater	7,923	8,077	5,575	7,623	90.0	5,105	1.19	286,488	3,000	241,626
11A	Marcellus	Slickwater	7,750	7,852	5,938	6,817	20.0	6,508	1.80	2,003	3,000	42,798
11B	Marcellus	Slickwater	7,725	7,820	5,308	8,552	57.0	5,183	1.20	2,265	3,000	132,636
11C	Marcellus	Slickwater	7,523	7,677	5,602	6,936	72.5	4,450	1.35	389,277	3,000	301,056
12	Marcellus	Slickwater	7,323	7,477	5,936	7,036	70.7	5,106	1.49	314,573	3,000	252,756

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Stage #	Plug Type	Plug Depth
1	No Plug	No Plug
2	Composite Frac Plug	10,300
3	Composite Frac Plug	10,000
4A+4B	Composite Frac Plug	9,700
5	Composite Frac Plug	9,400
6	Composite Frac Plug	9,100
7	Composite Frac Plug	8,800
8	Composite Frac Plug	8,500
9	Composite Frac Plug	8,300
10	Composite Frac Plug	8,100
11A,11B,11C	Composite Frac Plug	7,900
12	Composite Frac Plug	7,500
	Bridge Plug	6,500

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