

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

DATE: **OCT 10 2012**  
 API No: **47-097-03770H**  
 Lease No: 63848

Farm Name: WOODY, D.J., ET AL Operator Well No. ALT2CHS (405944)

LOCATION: Elevation: 2132' Quadrangle: Alton

District: Washington County: Upshur

Latitude: 9,960 Feet South of: 38 Deg. 50 Min. 00 Sec.  
 Longitude: 9,360 Feet West of: 80 Deg. 10 Min. 00 Sec.

Company: CNX Gas Company LLC formerly Consol Gas Company

	Casing and Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P.O. Box 1248 Jane Lew, WV 26378				
Agent: Richard K. Elswick				
Inspector: Bill Hatfield				
Date Permit Issued: 12/13/2010				
Date Well Work Commenced: 06/27/2011	30"	40'	40'	Grouted In
Date Well Work Completed: 05/01/2012				
Verbal Plugging:	13 3/8"	612'	612'	576 sks
Date Permission granted on:				
Rotary Cable Rig X	9 5/8"	2004'	2004'	650 sks
Total Vertical Depth (feet): 7183				
Total Measured Depth (feet): 13560	7"	5496'	5496'	744 sks
Fresh Water Depth (ft.): 40', 157', 311'				
Salt Water Depth (ft.): N/A	4 1/2"	13473'	13473'	259 bbls
Is coal being mined in area (N/Y)?: No				
Coal Depths (ft.): 90'-93', 163'-168', 576'-579'				
Void(s) encountered (N/Y) Depth(s)				

**OPEN FLOW DATA**

Producing formation MARCELLUS Pay zone depth (ft) 7117'-13473'  
 Gas: Initial production 816 MCF/d Oil: Initial open flow \* Bbl/d  
 Final open flow 1872 MCF/d Final open flow \* Bbl/d  
 Time of open flow between initial and final tests 744.5 Hours  
 Initial Flowing Pressure 1389 psig (surface pressure) after 977.5 Hours

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

**\* COMMINGLED WITH PREVIOUS FORMATIONS**

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

R.K. Elswick  
 Signature

10-3-12  
 Date

WELL: ALT2CHS (405944)

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

Were \_\_\_ Electrical \_\_\_ Mechanical, X or Geophysical logs recorded on this well?

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:**

4/5/2012 FRACED STAGE 1/24. PERFED MARCELLUS @ 13284'-13403' W/ 15 SHOTS. SAND 253,000#, AVG PSI 8168, AVG RATE 57.8.  
 4/10/2012 FRACED STAGE 2/24. PERFED MARCELLUS @ 13105'-13227' W/ 10 SHOTS. SAND 121,200#, AVG PSI 8486, AVG RATE 53.2.  
 4/10/2012 FRACED STAGE 3/24. PERFED MARCELLUS @ 12925'-13047' W/ 10 SHOTS. SAND 210,500#, AVG PSI 8403, AVG RATE 53.6.  
 4/10/2012 FRACED STAGE 4/24. PERFED MARCELLUS @ 12750'-12867' W/ 10 SHOTS. SAND 219,300#, AVG PSI 8323, AVG RATE 55.7.  
 4/12/2012 FRACED STAGE 5/24. PERFED MARCELLUS @ 12570'-12687' W/ 10 SHOTS. SAND 176,500#, AVG PSI 8225, AVG RATE 52.4.  
 4/17/2012 FRACED STAGE 6/24. PERFED MARCELLUS @ 12380'-12507' W/ 10 SHOTS. SAND 214,200#, AVG PSI 8275, AVG RATE 59.4.  
 4/18/2012 FRACED STAGE 7/24. PERFED MARCELLUS @ 12214'-12327' W/ 10 SHOTS. SAND 208,600#, AVG PSI 8359, AVG RATE 58.3.  
 4/18/2012 FRACED STAGE 8/24. PERFED MARCELLUS @ 12025'-12147' W/ 10 SHOTS. SAND 211,800#, AVG PSI 8326, AVG RATE 61.3.  
 4/19/2012 FRACED STAGE 9/24. PERFED MARCELLUS @ 11785'-11967' W/ 9 SHOTS. SAND 286,900#, AVG PSI 8173, AVG RATE 58.6.  
 4/20/2012 FRACED STAGE 10/24. PERFED MARCELLUS @ 11545'-11727' W/ 9 SHOTS. SAND 280,200#, AVG PSI 8558, AVG RATE 60.5.  
 4/21/2012 FRACED STAGE 11/24. PERFED MARCELLUS @ 11305'-11487' W/ 9 SHOTS. SAND 286,000#, AVG PSI 8164, AVG RATE 60.6.  
 4/22/2012 FRACED STAGE 12/24. PERFED MARCELLUS @ 11065'-11247' W/ 9 SHOTS. SAND 297,800#, AVG PSI 8317, AVG RATE 67.5.  
 4/23/2012 FRACED STAGE 13/24. PERFED MARCELLUS @ 10825'-11007' W/ 9 SHOTS. SAND 238,700#, AVG PSI 8522, AVG RATE 61.9.  
 4/25/2012 FRACED STAGE 14/24. PERFED MARCELLUS @ 10585'-10767' W/ 9 SHOTS. SAND 283,200#, AVG PSI 8465, AVG RATE 67.4.  
 4/25/2012 FRACED STAGE 15/24. PERFED MARCELLUS @ 10345'-10527' W/ 9 SHOTS. SAND 283,000#, AVG PSI 8273, AVG RATE 66.7.  
 4/26/2012 FRACED STAGE 16/24. PERFED MARCELLUS @ 10105'-10287' W/ 9 SHOTS. SAND 280,800#, AVG PSI 8499, AVG RATE 58.3.  
 4/26/2012 FRACED STAGE 17/24. PERFED MARCELLUS @ 9865'-10047' W/ 9 SHOTS. SAND 279,400#, AVG PSI 8560, AVG RATE 60.7.  
 4/27/2012 FRACED STAGE 18/24. PERFED MARCELLUS @ 9565'-9807' W/ 8 SHOTS. SAND 348,400#, AVG PSI 8542, AVG RATE 66.4.  
 4/28/2012 FRACED STAGE 19/24. PERFED MARCELLUS @ 9265'-9507' W/ 8 SHOTS. SAND 355,000#, AVG PSI 8530, AVG RATE 63.4.  
 4/28/2012 FRACED STAGE 20/24. PERFED MARCELLUS @ 8965'-9207' W/ 8 SHOTS. SAND 352,000#, AVG PSI 8461, AVG RATE 69.0.  
 4/29/2012 FRACED STAGE 21/24. PERFED MARCELLUS @ 8665'-8907' W/ 8 SHOTS. SAND 356,600#, AVG PSI 8351, AVG RATE 78.3.  
 4/30/2012 FRACED STAGE 22/24. PERFED MARCELLUS @ 8365'-8607' W/ 8 SHOTS. SAND 286,800#, AVG PSI 8569, AVG RATE 81.3.  
 4/30/2012 FRACED STAGE 23/24. PERFED MARCELLUS @ 8065'-8307' W/ 8 SHOTS. SAND 76,300#, AVG PSI 8016, AVG RATE 53.7.  
 5/1/2012 FRACED STAGE 24/24. PERFED MARCELLUS @ 7765'-8007' W/ 8 SHOTS. SAND 670,200#, AVG PSI 7898, AVG RATE 79.2.

**FORMATIONS ENCOUNTERED:**

Fill	0	10	Sand/Shale	10	21	Clay	21	31	Sand/Shale	31	46
Sand	46	90	Coal	90	93	Shale	93	120	Sand/Shale	120	125
Sand	125	155	Sand/Shale	155	163	Coal	163	168	Sand/Shale	168	172
Sand	172	430	Sand/Shale	430	455	Sand	455	576	Coal	576	579
Sand/Shale	579	622	Sand	622	670	Sand/Shale	670	783	Shale	783	801
Shale/Sand	801	1000	RedRock	1000	1031	Shale/Sand	1031	1080	Sand	1080	1270
Sand/Shale	1270	1335	Sand	1335	1370	Sand/Shale	1370	1430	Lime	1430	1474
Injun	1474	1624	Shale/Sand	1624	1646	Fifty Foot	1646	1686	Shale/Sand	1686	1886
RedRock	1886	1995	Sand	1995	2015	Shale/Sand	2015	2104	5th Sand	2104	2125
Shale/Sand	2125	2182	Bayard	2182	2231	Sand/Shale	2231	3084	Sand	3084	3110
Sand/Shale	3110	3490	Sand	3490	3550	Sand/Shale	3550	3800	Benson	3800	3815
Shale	3815	3905	Sand/Shale	3905	3950	Sand	3950	3970	Shale	3970	4000
Shale/Sand	4000	5550									

<b><u>GAMMA</u></b>		
<b><u>RAY/</u></b>		
<b><u>FORMATION</u></b>		
#ALT2CHS (405944)	47-097-03770H	
	<b><u>TOPS</u></b>	
	<b>TOP</b>	<b>BASE</b>
FORMATIONS MEASURED IN TVD		
HOLE NOT LOGGED UNTIL KICKOFF POINT		
BURKETT	6975	7017
TULLY	7018	7063
HAMILTON	7064	7116
MARCELLUS	7117	
LTD	13560	