

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

DATE: NOV 10 2011
API No: 47-097-03751H
Lease No: 63848

Farm Name: WOOD, JIMMY R ET AL Operator Well No.: ALT1CHS (405936)

LOCATION: Elevation: 2395' Quadrangle: Alton

District: Washington County: Upshur

Latitude: 14,160 Feet South of: 38 Deg. 50 Min. 00 Sec.
Longitude: 5,040 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: Kent Wright				
Inspector: Bill Hatfield				
Date Permit Issued: 08/17/2010				
Date Well Work Commenced: 09/08/2010	20"	40'	40'	175 sks
Date Well Work Completed: 05/26/2011				
Verbal Plugging:	13 3/8"	670'	670'	528 sks
Date Permission granted on:				
Rotary Cable Rig X	9 5/8"	2013'	2013'	619 sks
Total Vertical Depth (feet): 7427				
Total Measured Depth (feet): 10930	5 1/2"	10889	10889	1503 sks
Fresh Water Depth (ft.): 170', 580'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)?: No				
Coal Depths (ft.): 750'-760'				
Void(s) encountered (N/Y) Depth(s)				

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OPEN FLOW DATA

NOV 14 2011

Producing formation	MARCELLUS	Pay zone depth (ft)	7439'-10889'
Gas: Initial production	4500 MCF/d	Oil: Initial open flow	0 Bbl/d
Final open flow	1452 MCF/d	Final open flow	0 Bbl/d
Time of open flow between initial and final tests			12 Hours
Initial Flowing Pressure	3960	psig (surface pressure) after	12 Hours

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Second Producing formation		Pay zone depth (ft)	
Gas: Initial open flow	*	MCF/d	Oil: Initial open flow *
Final open flow	*	MCF/d	Final open flow *
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


Signature

11-10-11
Date

55 11/4/11
Asst 11/8/11

11/18/2011

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:

- 5/21/2011 FRACED STAGE 1/10. PERFED MARCELLUS @ 10576'-10762' W/ 72 SHOTS.
SAND 353,240#, 100 BPM MAX, 75.9 BPM AVG, 8186 PSI AVG.
- 5/22/2011 FRACED STAGE 2/10. PERFED MARCELLUS @ 10276'-10518' W/ 40 SHOTS.
SAND 355,040#, 84 BPM AVG, 94.4 BPM MAX, 8678 PSI AVG, ISIP 4099, FR 1.0 GPT.
FRACED STAGE 3/10. PERFED MARCELLUS @ 9976'-10218' W/ 40 SHOTS.
SAND 354,740#, 84.6 BPM AVG, 94.4 BPM MAX, 3873 PSI AVG, ISIP 3873, FR 1.0 GPT.
FRACED STAGE 4/10. PERFED MARCELLUS @ 9736'-9918' W/ 38 SHOTS.
SAND 354,720#, 75.4 BPM AVG, 101.3 BPM MAX, 8458 PSI AVG, ISIP 3970.
- 5/23/2011 FRACED STAGE 5/10. PERFED MARCELLUS @ 9436'-9678' W/ 40 SHOTS.
SAND 356,820#, 88.4 BPM AVG, 101.1 BPM MAX, 8453 PSI AVG, ISIP 3947, FR 1.0 GPT.
- 5/24/2011 FRACED STAGE 6/10. PERFED MARCELLUS @ 9136'-9378' W/ 40 SHOTS.
SAND 345,980#, 83 BPM AVG, 101 BPM MAX, ATP 8363 PSI.
FRACED STAGE 7/10. PERFED MARCELLUS @ 8836'-9078' W/ 40 SHOTS.
SAND 352,080#, 90 BPM AVG, 100 BPM MAX, ATP 8211.
- 5/25/2011 FRACED STAGE 8/10. PERFED MARCELLUS @ 8536'-8778' W/ 40 SHOTS.
SAND: 100 MESH 59,680#, 40/70 MESH 292,600#, 90.3 BPM AVG, 102.2 BPM MAX, 8247 PSI AVG, ISIP 4123, FR 1.0 GPT.
- 5/26/2011 FRACED STAGE 9/10. PERFED MARCELLUS @ 8236'-8478' W/ 40 SHOTS.
SAND 356,700#, 92 BPM AVG, 101 BPM MAX, ATP 8079 PSI, MTP 8910 PSI.
FRACED STAGE 10/10. PERFED MARCELLUS @ 7836'-8178' W/ 40 SHOTS.
SAND 350,440#, 97 BPM AVG, 105 BPM MAX, 8473 PSI AVG, ISIP 3960, FR 1.0 GPT.

FORMATIONS ENCOUNTERED:

Fill	0	10	Sandstone	10	40	Shale	40	170
Sand	170	242	RedRock	242	258	Shale	258	580
RedRock	580	595	Sand	595	675	Black Shale & Sand	675	750
Coal	750	760	Black Shale & Sand	760	900	Gray Shale	900	1055
RedRock	1055	1107	Gray Shale	1107	1114	Limestone	1114	1118
Shale	1118	1127	RedRock	1127	1138	Shale & RedRock	1138	1157
Limestone & Shale	1157	1168	Shale	1168	1334	Red & Gray Shale	1334	1394
Gray Shale	1394	1485	Sandstone	1485	1805	RedRock	1805	1840
Gordon	1970	2050	4th Sand	2075	2090	5th Sand	2190	2210
Bayard	2260	2310	Elizabeth	2400	2425	Warren	2470	2490
Speechley	2780	2790	Balltown	2935	2945	Bradford	3270	3290
Riley	3590	3630	Benson	3900	3920	1st Elk	4185	4205
2nd Elk	4390	4420	Haverty	5005	5025	Shale	6350	6380

GAMMA			
RAY /			
FORMATION			
#ALT1CHS (405936)	TOPS		47-097-03751H
	TOP	BASE	
SYCAMORE GRIT	6393	6421	
BURKETT	7155	7198	
TULLY	7198	7235	
HAMILTON	7235	7303	
MARCELLUS	7303		
GAMMA RAY - MD	6442	10863	