

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

DATE: DEC 20 2011
 API No: 47-001-03147H
 Lease No: 77232

Farm Name: WARDER, MARY MORRIS Operator Well No. PHL1AHS (405833)

LOCATION: Elevation: 1324' Quadrangle: Philippi

District: Pleasant County: Barbour
 Latitude: 6,070 Feet South of: 39 Deg. 12 Min. 30 Sec.
 Longitude: 5,235 Feet West of: 80 Deg. 00 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: Bryan Harris				
Date Permit Issued: 06/23/2010				
Date Well Work Commenced: 01/14/2011	20"	206'	206'	1194 sks
Date Well Work Completed: 08/14/2011				
Verbal Plugging:	13 3/8"	658'	658'	600 sks
Date Permission granted on:				
Rotary Cable Rig X	9 5/8"	2015'	2015'	520 sks
Total Vertical Depth (feet): 7,466'				
Total Measured Depth (feet): 11,950'	5.5"	11891'	11891'	511 bbls
Fresh Water Depth (ft.): 167', 244', 272', 310'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)?: No				
Coal Depths (ft.): N/A				
Void(s) encountered (N/Y) Depth(s)				

OPEN FLOW DATA

Producing formation MARCELLUS Pay zone depth (ft) 7277'-11891'
 Gas: Initial production _____ MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 4416 MCF/d Oil: Final open flow 0 Bbl/d
 Time of open flow between initial and final tests 12 Hours
 Initial Flowing Pressure 1300 psig (surface pressure) after 12 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 Oil: 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



 Signature

12-14-11

 Date

55
 12/12/11


03/16/2012

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:

- 8/3/2011 FRACED STAGE 1/14. PERFED MARCELLUS @ 11597'-11801' W/ 72 SHOTS.
SAND 342,300#, 76 BPM AVG, 90 BPM MAX, ATP 7496 PSI.
- 8/7/2011 FRACED STAGE 2/14. PERFED MARCELLUS @ 11297'-11539' W/ 40 SHOTS.
SAND 349,980#, 65 BPM AVG, 80 BPM MAX, ATP 8547 PSI, FR 1.0 GPT.
- 8/9/2011 FRACED STAGE 3/14. PERFED MARCELLUS @ 10997'-11239' W/ 40 SHOTS.
- 8/10/2011 FRACED STAGE 4/14. PERFED MARCELLUS @ 10697'-10939' W/ 40 SHOTS.
- 8/11/2011 FRACED STAGE 5/14. PERFED MARCELLUS @ 10397'-10639' W/ 40 SHOTS.
- 8/12/2011 FRACED STAGE 6/14. PERFED MARCELLUS @ 10097'-10339' W/ 40 SHOTS.
- 8/12/2011 FRACED STAGE 7/14. PERFED MARCELLUS @ 9797'-10039' W/ 40 SHOTS.
- 8/12/2011 FRACED STAGE 8/14. PERFED MARCELLUS @ 9497'-9739' W/ 40 SHOTS.
- 8/13/2011 FRACED STAGE 9/14. PERFED MARCELLUS @ 9197'-9439' W/ 40 SHOTS.
SAND 353,760#, 83 BPM AVG, 90 BPM MAX, 8926 PSI MAX, ATP 8279 PSI.
- 8/13/2011 FRACED STAGE 10/14. PERFED MARCELLUS @ 8897'-9139' W/ 40 SHOTS.
SAND 350,700#, 80 BPM AVG, 92 BPM MAX, ATP 9088 PSI.
- 8/14/2011 FRACED STAGE 11/14. PERFED MARCELLUS @ 8597'-8839' W/ 40 SHOTS.
SAND 357,560#, 81 BPM AVG, 90 BPM MAX, 8807 PSI MAX, ATP 8237 PSI.
- 8/14/2011 FRACED STAGE 12/14. PERFED MARCELLUS @ 8297'-8539' W/ 40 SHOTS.
SAND 8,420#, 39 BPM AVG, 71 BPM MAX, 9000 PSI MAX, ATP 8480 PSI.
- 8/14/2011 FRACED STAGE 13/14. PERFED MARCELLUS @ 7997'-8239' W/ 40 SHOTS.
SAND 382,960#, 89 BPM AVG, 100 BPM MAX, 8878 PSI MAX, ATP 7774 PSI.
- 8/14/2011 FRACED STAGE 14/14. PERFED MARCELLUS @ 7697'-7939' W/ 40 SHOTS.
SAND 415,440#, 103 BPM AVG, 94 BPM MAX, ATP 7843 PSI.

FORMATIONS ENCOUNTERED:

Sand/Shale	0	60	Sand	60	124	Shale	124	128
Sand	128	156	Shale	156	167	Sand	167	590
Light Brown Sand	590	631	RedRock	631	651	Sand&Shale	651	746
Shale	746	1556	Brown Shale	1556	1821	Gray Shale	1821	1969
Gray & Brown Shale	1969	3207	Gray Shale	3207	3730	Sand/Shale	3730	3795
Gray Shale	3795							

GAMMA RAY FORMATION		
#PHL1AHS (405833)	TOPS	
	TOP	BASE
FORMATION TVD AT SURFACE LOCATION		
HOLE NOT LOGGED UNTIL KICKOFF POINT		
BURKETT	7029	7062
TULLY	7062	7150
HAMILTON	7150	7277
MARCELLUS	7277	
LTD	11950	