

WR-35
Rev (8-10)

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

DATE: 10/10/2011
API #: 47-081-01482

Farm name: Blackburn-Patterson Real. Operator Well No.: CO-9C

LOCATION: Elevation: 2368.45' Quadrangle: Beckley

District: Towns County: Raleigh
Latitude: 9313 Feet South of 37 Deg. 50 Min. 00 Sec.
Longitude 7144 Feet West of 81 Deg. 12 Min. 30 Sec.

Company:

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
4 Waterway Square Pl, Suite 400, The Woodlands, TX 77382	20"	18'	18'	
Agent:	13-3/8"	564'	564'	440 sks
Inspector:	9-5/8"	884'	884'	400 sks
Date Permit Issued: 06/05/2008	7"	1,118'	1,118'	185 sks
Date Well Work Commenced: 07/22/2008				
Date Well Work Completed: 07/31/2008				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 1,270'				
Total Measured Depth (ft): 1,270'				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? <input checked="" type="checkbox"/>				
Coal Depths (ft.): Lower Beckley - 816'	Fire Creek - 919'	Pocahontas 3 - 1,153'	Pocahontas 2A - 1,162'	
Void(s) encountered (N/Y) Depth(s) N				

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OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Pocahontas 2A Pay zone depth (ft) 1,162' - 1,165'
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

Second producing formation Pocahontas 3 Pay zone depth (ft) 1,153' - 1,160'
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

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

10/10/11
Date

Were core samples taken? Yes _____ No

Were cuttings caught during drilling? Yes _____ No

Were Electrical, Mechanical, or Geophysical logs recorded on this well?
Y/N Y/N Y/N

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:

Open hole 1,118' - 1,270'

Formations Encountered: Top Depth / Bottom Depth
Surface:

Sand & Shale: 0 - 111'

Sand: 111' - 159'

Sandy Shale: 159' - 230'

Sand & Shale: 230' - 384'

Shale: 384' - 449'

Sand & Shale: 449' - 558'

Lower Beckley Coal: 816' - 818'

Sand & Shale: 818' - 919'

Fire Creek Coal: 919' - 921'

Sand with Scattered Shale: 921' - 1153'

Pocahontas 3 Coal: 1153' - 1160'

Shale: 1160' - 1162'

Pocahontas 2A: 1162' - 1165'

Sandy Shale: 1165 - 1270'

TD: 1270'

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