WR-35
Rev (9-11)

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

DATE: 12/7/11
API #: 47-5902201

Farm name: Burning Ck Marrowbone Land Co Operator Well No.: BNR 10

LOCATION: Elevation: 1016 Quadrangle: Naugatuck

District: Kermit County: Mingo
Latitude: 388 Feet South of 37 Deg. 49 Min. 56.19 Sec.
Longitude 27 Feet West of 82 Deg. 20 Min. 00.34 Sec.

Company: Tug Fork Development

Address: 3930 Brandywine Dr	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Catlettsburg, KY	13.75	28	28	drive pipe
Agent: Ira D. Bartram	9.625	225	225	118
Inspector: Barry Stallings	7	1909	1909	370
Date Permit Issued: 1/14/11	4.5	3650	3650	240
Date Well Work Commenced: 7/25/11				
Date Well Work Completed: 10/25/11				
Verbal Plugging:				
Date Permission granted on:				
Rotary ☐ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 3671				
Total Measured Depth (ft): 3671				
Fresh Water Depth (ft.): none				
Salt Water Depth (ft.): 1700				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 178				
Void(s) encountered (N/Y) Depth(s) None				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Lower Huron Pay zone depth (ft) 3340-3610
Gas: Initial open flow 10 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 300 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 72 Hours
Static rock Pressure 395 psig (surface pressure) after 72 Hours

COMMINGLED PRODUCTION
Second producing formation Injun sand Pay zone depth (ft) 2094-2111
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.

Signature Date 12/7/11

08/10/2012

Were core samples taken? Yes_____ No X Were cuttings caught during drilling? Yes X No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Density, Neutron, Induction, Audio, Temperature

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:

2094-2110 (8 holes)
3360-3602 (40 holes)
N2 Frac 2mmscf

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Surface:	Top Depth / Bottom Depth
Sand	0-178
Coal	178-183
Sand & Slate	183-1180
Salt Sand	1180-1610
Sand & Salte	1610-1848
Maxon Sand	1848-1886
Little Lime	1886-1938
Big Lime	1938-2080
Injun Sand	2080-2140
Sand & Slate	2140-2600
Coffee Shale	2600-2690
Berea Sand	2690-2710
Shale	2710-3350
Lower Huron Shale	3350-3600
White Slate	3600-3671