

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: 7/29/13
API #: 47-5902239



Farm name: BURNING CK MARROWBONE LAND CO Operator Well No.: BNR 12

LOCATION: Elevation: 1289 Quadrangle: NAUGATUCK

District: KERMIT County: MINGO
Latitude: 1839 Feet South of 37 Deg. 50 Min. 00 Sec.
Longitude 3486 Feet West of 82 Deg. 20 Min. 00 Sec.

Company: TUG FORK DEVELOPMENT

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
3930 BRANDYWINE DR CATLETTSBURG, KY 41129	13.5	30	30	DRIVE PIPE
Agent: IRA DAVID BARTRAM	9.625	485	485	230
Inspector: JEREMY JAMES	7	2156	2156	393
Date Permit Issued: 1/17/13	4.5	3900	3900	84
Date Well Work Commenced: 1/28/13				
Date Well Work Completed: 6/5/13				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 3920				
Total Measured Depth (ft): 3920				
Fresh Water Depth (ft.): 435				
Salt Water Depth (ft.): 1920				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 435				
Void(s) encountered (N/Y) Depth(s) N				

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

Producing formation LOWER HURON Pay zone depth (ft) 3592-3840
Gas: Initial open flow 0 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 480 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 72 Hours
Static rock Pressure 270 psig (surface pressure) after 72 Hours

PRODUCTION COMINGLED
Second producing formation INJUN Pay zone depth (ft) 2340-2348
Gas: Initial open flow 0 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

Received

JUL 31 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

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]
Signature

7/29/13
Date

09/27/2013

Were core samples taken? Yes _____ No

Were cuttings caught during drilling? Yes No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list gamma ray, neutron, temp,
induction, audio, PE

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:

1ST STAGE DEVONIAN SHALE 2980-3830 (56 HOLES) 1.8 MMSCF N2
2ND STAGE INJUN 2264-2348 10 HOLES 4 MMSCF

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

Formations Encountered: _____ Top Depth _____ / _____ Bottom Depth _____
Surface:

SAND AND SHALE	0-435
COAL	435-440
SAND AND SHALE	440-1440
SALT SAND	1414-1820
SAND AND SHALE	1820-1904
MAXON	1904-2022
LIME AND SAND	2022-2154
BIG LIME	2154-2336
INJUN	2336-2382
GRAY SLATE	2382-2864
COFFEE SHALE	2864-2885
BEREA	2885-2970
GRAY SHALE	2970-3624
LOWER HURON	3624-3840
GRAY SHALE	3840-3920