

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas
Well Operator's Report of Well Work

Farm Name: Tug Fork Land Co. Operator Well No. Welch #2
Location: Elevation: 2209' Quadrangle: Welch 7.5
District: Browns Creek County: McDowell
Latitude: 3,121 Feet South of 37 Degrees 25 Minutes 0 Seconds
Longitude: 2,112 Feet West of 81 Degrees 35 Minutes 0 Seconds

Company: Energy Development Corp.
534 Virginia Avenue
Bluefield Va. 24605

Agent: Sandra Belcher
Inspector: Barry stollings
Permit Issued: 8/7/2008
Well work Commenced: 6/21/2009
Well work Completed: 6/21/2009
Verbal Plugging Permission granted on: NA
Rotary X Cable Tool Rig
Total Depth (ft): LTD- 6594' DTD- 6561'

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
20	15'	15'	
9 5/8	1233'	1233'	445
7	1946'	1946'	413
4 1/2		6555'	258

Fresh Water Depths (ft): none
Salt Water Depths (ft): none
Is coal being mined in area: No
Coal Depths: 315-317', 500-502', 1130-1132', open mine 1141-1147'

OPEN FLOW DATA:

Producing formation(s): Middle & Lower Huron Pay zone depth (ft) See back
Gas: Initial open flow trace MCF/D Oil: Initial open flow 0 Bbl/d
Final open flow 650 MCF/D Final open flow 0 Bbl/d
Time of open flow between initial and final tests: 36 Hours
Static rock pressure 910 psig (surface pressure) after 72 Hours

Second producing formation(s): Berea & Gordon Pay zone depth (ft) See back
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

NOTE: ON THE BACK OF THIS FORM 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 ALL FORMATIONS INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

FOR: ENERGY DEVELOPMENT CORP.
BY: [Signature]
DATE: 4/23/12



1st Stage – Lower & Middle Huron – See Original WR-35

2nd Stage – Berea & Gordon

7/21/2009

MIRU BJ Pumping Services, and Key Energy Wireline Services to conduct 1-stage completion. RIH set frac plug at 5080'. RIH with "HSC" gun, perforate 4868-4912', 12 holes. Tested lines to 3832 psi. Breakdown at 3062 psi. RIH with "HSC" bi-pole gun, perforate 4782-4789', 10 holes; 4754-58', 5 holes.

2nd Stage, Berea & Gordon (4754-4912', 27 holes) 75 Quality Foam Frac

36 Bbls. (1,500 gals) 15% HCl,

(Total Stage Products, TSP) 182 Bbls Twtr, 45,000 lbs 20/40 Sand, 830 Mscf N₂, N₂

flush. Dropped 15 perf balls one time

BKDN – 3062 psi, ATP – 2081 psi, AIR – 20 BPM, ISIP – 1816 psi, 5 Min SI – 1458 psi

Formation Depths – See Original WR-35

APR 30 2012