

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

Farm Name: Jean Etta Chinsolo Operator Well No. Welch #3
Location: Elevation: 2057' Quadrangle: Welch 7.5
District: Browns Creek County: McDowell
Latitude: 2,517 Feet South of 37 Degrees 25 Minutes 0 Seconds
Longitude: 3,899 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: 7/17/2008
Well work Commenced: 7/28/2009
Well work Completed: 7/28/2009
Verbal Plugging Permission granted on: NA
Rotary X Cable Tool Rig
Total Depth (ft): LTD- 6408' DTD- 6427'
Fresh Water Depths (ft): 930', 1030'
Salt Water Depths (ft): none
Is coal being mined in area: No
Coal Depths: 80-82', 370-375' opening, 450-452', 715-717'

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
18	14'	14'	
13 3/8	418'	418'	295
9 5/8	1055'	1055'	568
7	1812'	1812'	413
4 1/2		6353'	290

OPEN FLOW DATA:

Producing formation(s): Lower Huron, Middle Huron Pay zone depth (ft) See back
Gas: Initial open flow trace MCF/D Oil: Initial open flow 0 Bbl/d
Final open flow 250 MCF/D Final open flow 0 Bbl/d
Time of open flow between initial and final tests: 36 Hours
Static rock pressure 650 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

05/11/2012

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

2nd Stage – Berea & Gordon

7/28/2009

MIRU BJ Pumping Services, and Key Energy Wireline Services to conduct 1-stage completion. RIH set frac plug at 4805'. RIH with "HSC" gun, perforate 4744-90', 12 holes. Tested lines to 3817 psi. Breakdown at 3294 psi. RIH with "HSC" bi-pole gun, perforate 4670-72', 3 holes; 4659-63', 5 holes, 4632-36', 7 holes.

2nd Stage, Berea & Gordon (4632-4790', 29 holes) 75 Quality Foam Frac

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

(Total Stage Products, TSP) 231 Bbls Twtr, 45,468 lbs 20/40 Sand, 730 Mscf N₂, N₂ flush. Dropped 15 perf balls one time

BKDN – 3294 psi, ATP – 2277 psi, AIR – 20 BPM, ISIP – 2116 psi, 5 Min SI – 1652 psi

Formation Depths – See Original WR-35