

JK

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: David Bowyer
LOCATION: Elevation : 725

Operator Well No.: # 1
Quadrangle: Shirley

District: Centerville County: Tyler
Latitude: 8960 Feet South of 39 Deg. 25 Min 00 Sec.
Longitude: 7550 Feet West of 81 Deg. 50 Min. 00 Sec.

| Company: BATTLES ENERGY CORP | Casing & Tubing | Used in drilling | Left in well | Cement fill up Cu. Ft. |
|--|-----------------|------------------|--------------|------------------------|
| Address: 1785 Corbin Branch Rd , Bridgeport WV 26330 | | | | |
| | 133/8 | 42 | 42 | CTS |
| Agent: Peter Battles | 7 | 728 | 728 | CTS |
| Inspector: Joe Taylor | 4 1/2 | | 2245 | Top@ 916 |
| Date Permit Issued: 9/30/2013 | | | | |
| Date Well Work Commenced: 10-29-2013 | | | | |
| Date Well Work Completed: 6-24-2014 | | | | |
| Verbal Plugging: | | | | |
| Date Permission granted on: | | | | |
| Rotary X Cable Rig | | | | |
| Total Depth (feet): 2711 | | | | |
| Fresh Water Depth (ft.): 340 | | | | |
| Salt Water Depth (ft.): 1540 | | | | |
| Is coal being mined in area (N/Y)? N | | | | |
| Coal Depths (ft.): 340 | | | | |

OPEN FLOW DATA

Producing formation Berea Pay zone depth (ft) 2204-2210
Gas: Initial open flow Show MCF/d Oil: Initial open flow Show Bbl/d
Final open flow 100 MCF/d Final open flow 1 Bbl/d
Time of open flow between initial and final tests 10 Days
Static rock Pressure 800 psig (surface pressure) after 48 Hours

Received

AUG 4 2014

Second producing formation Weir & Big Injun Pay zone depth (ft) 1724-2016
Gas: Initial open flow Commingled 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

Office of Oil and Gas
WV Dept. of Environmental Protection

NOTE: ON 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.

Signed: _____
By: *Peter Battles*
Date: *Aug 1, 2014*

08/29/2014

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

STAGE I 2204-2210 25000 LB SAND ; 500 GAL HCL
(4)

STAGE II 1724-2016 30,000 LB SAND ; 500 GAL HCL
(10)

STAGE III

STAGE IV

WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS |
|------------------|-------|--------------|----------|-------------|---|
| | | | | | Including indication of all fresh and salty water, coal oil and gas |
| Soil & Sand | | | 0 | 80 | |
| Red Rock & Shale | | | 50 | 268 | |
| Sand | | | 268 | 340 | |
| Coal | | | 340 | 345 | |
| Red Rock & Shale | | | 345 | 760 | |
| Sand | | | 760 | 780 | |
| Sand & Shales | | | 780 | 1090 | |
| Shales | | | 1090 | 1140 | |
| Salt Sands | | | 1140 | 1430 | |
| Shale | | | 1430 | 1530 | |
| Maxton | | | 1530 | 1565 | Salt Water @ 1540 |
| Shale | | | 1610 | 1620 | |
| Big Lime | | | 1620 | 1700 | |
| Big Injun | | | 1700 | 1835 | Oil Show Show @ 1710 |
| Shale | | | 1835 | 2010 | |
| Weir | | | 2010 | 2120 | |
| Shale | | | 2120 | 2198 | |
| Berea | | | 2198 | 2204 | |
| Shale | | | 2204 | TD | |
| TD | | | 2711 | | |