



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

Well Operator's Report of Well Work

Farm: Grafton Coal Lease Operator Well No: Mike & Ike #1 Acres 38.50

LOCATION: Elevation: 1004 Quadrangle: Weston 7.5'

District: Hackers Creek County: Lewis

Latitude: 39.081387

Longitude: 80.465701

Company:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>Mike Ross Inc.</u> <u>Po Box 219</u> <u>Coalton WV 26257</u>				
Agent: <u>Mike Ross</u>	<u>11 3/4</u>	<u>84</u>		<u>80 sacks</u>
Inspector: <u>Bill Hatfield</u>	<u>8 5/8</u>	<u>891</u>		<u>300 sacks</u>
Date Permit Issued: <u>01/04/2013</u>				
Date Well Work Commenced: <u>03/20/13</u>	<u>4 1/2</u>	<u>5450</u>		<u>850 sacks</u>
Date Well Work Completed: <u>04/04/13</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Depth (feet): <u>5630 ft.</u>				
Fresh Water Depth (ft.): <u>1/4" stream @ 168', 3" stream @ 218', 5" stream @ 240'</u>				
Salt Water Depth (ft.): <u>N/A</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>N/A</u>				

OPEN FLOW DATA

Producing formation: Sycamore Grit, Benson, Balltown, Byard

Pay zone depth: 5320-2020 (ft)

Gas: Initial open flow 55 MCF/d Oil: Initial open flow      Bbl/d

Final open flow 410 MCF/d Final open flow      Bbl/d

Time of open flow between initial and final tests 4 Hours

Static rock Pressure 600 psig (surface pressure) after 72 Hours

Second producing formation      Pay zone depth (ft)     

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 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: \_\_\_\_\_

*Mike Ross*

By: Mike Ross  
Date: 8/8/13

AUG - 9 2013

Received

41-05670

Date of Frac.: April 4, 2013

Well Name: Mike & Ike #1 (Grafton Coal Lease)

1<sup>st</sup> Stage - Perfs from 4420 to 5306, Holes 14, Acid 1000 Gals., Bbls water or foam 370, 80/100 sand 102 sacks, 20/40 sand 207 sacks, N2 2,102 SCF, ISP

2<sup>nd</sup> Stage - Perfs from 4422 to 4152, Holes 14, Acid 500 Gals., Bbls water or foam 412, 80/100 sand 100 sacks, 20/40 sand 330 sacks, N2 34,775 SCF, ISP

3<sup>rd</sup> Stage - Perfs from 2920 to 2968, Holes 14, Acid 500 Gals., Bbls water or foam 421, 80/100 sand 100 sacks, 20/40 sand 301 sacks, N2 33,707 SCF, ISP

4<sup>th</sup> Stage - Perfs from 1872 to 2096, Holes 12, Acid 750 Gals., Bbls water or foam 32.5, 80/100 sand 0 sacks, 20/40 sand 266 sacks, N2 18,800 SCF, ISP

**Directions:** Grafton Coal before Jackson Mill on left.

Details:

Sand & Shale	0 - 510	
Freshwater	510 - 218	
Red Rock & Shale	218 - 1024	
Sand & Shale	1024 - 1169	
Big Lime	1169 - 1250	
Big Injun	1250 - 1350	
Sand & Shale	1350 - 1820	
Fifth Sand	1820 - 1880	Show Gas
Sand & Shale	1880 - 2020	
Byard Sand	2020 - 2040	
Sand & Shale	2040 - 2920	
Balltown Sand	2920 - 2980	Show Gas
Sand & Shale	2980 - 4030	
Benson Sand	4030 - 4050	Show Gas
Sand & Shale	4050 - 5250	
Sycamore Grit	5250 - 5320	Show Gas
Sand & Shale	5320 - 5872	
TD	5872	

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WV Dept. of Environmental Protection

09/27/2013