

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

Well Operator's Report of Well Work

Farm name: James R. Moore, et al.

Operator Well James R. Moore #2 WV3013

LOCATION: Elevation: 1835' Quadrangle: Rock Cave 7.5

District: Banks County: Upshur

Latitude: 10.600' Feet South of 38 Deg. 50 Min. 00 Sec.

Longitude 9.175' Feet West of 80 Deg. 15 Min. 00 Sec.

Company: Seneca Upshur Petroleum Corp.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P.O. Box 2048				
Buckhannon WV 26201	13 3/8"	32'	32'	Sand In
Agent: James Turner				
Inspector: Bill Hatfield	9 5/8"	1203'	1203'	488 Cu. Ft.
Date Permit Issued: February 03, 2010				
Date Well Work Commenced: March 10, 2010	4 1/2"	7020'	7020'	138 Cu. Ft.
Date Well Work Completed: July 13, 2010				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 7030'				
Fresh Water Depth (ft.): 65'- 320'- 840'				
Salt Water Depth (ft.): 1242'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 378'-380', 395'-398', 502'-507', 595'				

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FEB 20 2013

OPEN FLOW DATA

Producing formation Marcellus Pay zone depth (ft) 6905'- 7002'
Gas: Initial open flow 1500 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 2000 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 12 Hours
Static rock Pressure 2200 psig (surface pressure) after 24 Hours

WV Department 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: [Signature]
By: Diana [Signature]
Date: 8-10

Stimulation Summary

97.03712

1st Stage -Slick Water Frac, Perforations Marcellus 6954'-6990' (216 holes)
1000 gal. 15 % HCL, Breakdown 2755 psig, 4000 bbl pad
100,000 lbs 80/100 mesh sand, 500,904 lbs 40/70 mesh sand
14,000 bbls treated fluid, Avg. Rate 73 bpm,
Avg. Treating Press. 4776 psi, ISDP 2115 psi

Production Tops

Blue Monday	1190'-1261'
Big Lime	1294'-1417'
Big Injun	1408'-1504'
Squaw	1506'-1536'
Gordon	1544'-1866'
4 th Sand	1882'-1940'
5 th Sand	1949'-2053'
Bayard	2109'-2138'
Elizabeth	2446'-2468'
Bradford	3176'-3243'
1 st Riley	3504'-3552'
2 nd Riley	3730'-3748'
Benson	3867'-3885'
1 st Elk	4414'-4442'
2 nd Elk	4476'-4546'
3 rd Elk	4683'-4705'
Alexander	5242'-5280'
Sycamore Grit	6230'-6247'
Genasea	6763'-6800'
Tully Limestone	6800'-6820'
Marcellus Shale	6905'-7002'
TD	7022'