

WR-35
Rev (9-11)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 10/16/2012
API #: 47-017-04035 - R

Farm name: Shatley, Fletcher G. Operator Well No.: Bates 2

LOCATION: Elevation: 1245' GL Quadrangle: Smithburg 7.5

District: Mcclellan County: Doddridge
Latitude: 2,240 Feet South of 39 Deg. 22 Min. 30 Sec.
Longitude 11,150 Feet West of 80 Deg. 37 Min. 30 Sec.

Company: Petroleum Development Corporation

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>120 Genesis Boulevard</u> <u>Bridgeport, WV 26330</u>	<u>11 3/4"</u>	<u>174'</u>	<u>174'</u>	<u>230</u>
Agent: <u>Bob Williamson</u>	<u>8 5/8"</u>	<u>1869'</u>	<u>1869'</u>	<u>618</u>
Inspector: <u>David Scranage</u>	<u>4 1/2"</u>	<u>5481'</u>	<u>5481'</u>	<u>921</u>
Date Permit Issued: <u>02/10/2010</u>				
Date Well Work Commenced: <u>03/25/2010</u>				
Date Well Work Completed: <u>03/30/2010</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): <u>5516'</u>				
Total Measured Depth (ft): <u>5516'</u>				
Fresh Water Depth (ft.): <u>140'</u>				
Salt Water Depth (ft.): <u>None Reported</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>138'-39', 445'-448'</u>				
Void(s) encountered (N/Y) Depth(s) <u>N</u>				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Gordon Pay zone depth (ft) 2988'

Gas: Initial open flow NT MCF/d Oil: Initial open flow --- Bbl/d

Final open flow 80 MCF/d Final open flow 5 Bbl/d

Time of open flow between initial and final tests 48 Hours

Static rock Pressure NT psig (surface pressure) after --- 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

OCT 17 2012

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.


Signature

10/16/2012
Date

10/19/2012

BATES #2

STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N2 (MCF)
1ST	Benson	13(5332'-5335')	50	400	500	60
2nd	Big Injun	18(2355'-2361')	50	400	500	60

W E L L L O G

FORMATION	TOP FEET	BOTTOM FEET	REMARKS: FRESH & SALT WATER, COAL, OIL & GAS
KB - GL	0	10	1/2" water @ 140'
sand, shale, RR	10	2004	
Maxton	2004	2095	Coal @136'-139', 445'-448'
sand, shale	2095	2178	
Big Lime	2178	2315	gas chk @ 2347' No Show
sand, shale	2315	2334	
Big Injun	2334	2408	gas chk @2378' 6/10 thru 2"/water
sand, shale	2408	2556	
Weir	2556	2641	
sand, shale	2641	2764	
Berea	2764	2800	gas chk @2502' 6/10 thru 2"/water
sand, shale	2800	2959	
Gordon	2959	3004	
sand, shale	3004	3282	gas chk @2660' 4/10 thru 2"/water
5th	3282	3332	gas chk @2861' 6/10 thru 2"/water
sand, shale	3332	3633	gas chk @4029' 4/10 thru 2"/water
Warren	3633	3718	gas chk @5205' 4/10 thru 2"/water
sand, shale	3718	3740	
Speechley	3740	3982	gas chk @5297' 4/10 thru 2"/water
sand, shale	3982	4030	gas chk @5590' 4/10 thru 2"/water
Balltown	4030	4419	
sand, shale	4419	4492	gas chk @5516' 6/10 thru 2"/water
Bradford	4492	4609	
sand, shale	4609	4830	
Riley	4830	5263	
sand, shale	5263	5329	
Benson	5329	5390	
sand, shale		5516	Drillers TD
		5517	Logger TD

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