

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 #: 47-033-03938 F

Farm name: Bland, Franklin D. Operator Well No.: Martin 1

LOCATION: Elevation: 1116' GL Quadrangle: Wolf Summit 7.5

District: Tenmile County: Harrison
Latitude: 150 Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude 6.850 Feet West of 80 Deg. 27 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>37'</u>	<u>0</u>	<u>—</u>
Agent: <u>Bob Williamson</u>	<u>8 5/8"</u>	<u>975'</u>	<u>975'</u>	<u>372</u>
Inspector: <u>Tim Bennett</u>	<u>4 1/2"</u>	<u>5039'</u>	<u>5039'</u>	<u>785</u>
Date Permit Issued: <u>4/30/2009</u>				
Date Well Work Commenced: <u>3/12/2009</u>				
Date Well Work Completed: <u>8/12/2009</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>5157'</u>				
Total Measured Depth (ft): <u>5157'</u>				
Fresh Water Depth (ft.): <u>45'</u>				
Salt Water Depth (ft.): <u>None Reported</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>42-45, 190-193</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 Balltown Pay zone depth (ft) 3474
Gas: Initial open flow Show MCF/d Oil: Initial open flow Vapor Bbl/d
Final open flow 10 MCF/d Final open flow Bbl/d
Time of open flow between initial and final tests Hours
Static rock Pressure NT psig (surface pressure) after Hours

Second producing formation Gordon (comingled) Pay zone depth (ft) 2488
Gas: Initial open flow Show MCF/d Oil: Initial open flow Vapor 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

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

Were core samples taken? Yes _____ No XX

Were cuttings caught during drilling? Yes _____ No XX

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list JW Wireline GR/CCL from 3800-1800.

NOTE: IN THE AREA BELOW 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 THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

3/12/2009: MIRU JW Wireline & run GR/CCL log from 3800-1800 & set BP at 3520. RU BJ & pump acid/water & test csg to 3489 psi & OK. RU JW & TIH & perf 3474-78 & 3498-3502 @ 2 SPF (20 holes). RU BJ & pumped an N2 (35Q) assist linear gel w/ 13,218 lbs of 20/40 sand, 959 MSCF N2, & 280 bbls treated fluid. Break at 2054 psi & avg treating foam rate was 22.6 BPM & ATP was 2356 psi. ISIP = 1556 psi, 5min = 1478 psi, 10 min = 1467 psi, 15 min = 1461 psi. RU JW & set 2nd BP @2715. RD JW & RU BJ & pump acid/water & test csg to 3588 psi & OK. RD BJ & RU JW & perf 18 holes at 2885-91 & 20 holes from 2488-2500. RD JW & RU BJ & pumped an N2 (35Q) assist linear gel w/ 6,245 lbs of 20/40 sand, 798 MSCF N2, & 182 bbls treated fluid. Break at 2551 psi & avg treating foam rate was 20 BPM & ATP was 2927 psi. Well screened out. RDMO BJ & JW. 8-13-2009: MIRU EC rig and clean to original TD & drill out BP's.
Plug Back Details Including Plug Type and Depth(s):

Drillable BP's at 3520 & 2715. Removed from hole to original TD @ 4999'.

Formations Encountered: _____ **Top Depth** _____ / _____ **Bottom Depth**
Surface: _____

See Attached WR-35 & "Well Log" from original completion of this well (47-033-3938).

MARTIN #1

STAGE	FORMATION	PERFS	80/100 SKS	20/40 SKS	ACID GAL	N2 (MCF)
1ST	Benson	13 (4923' - 4926')	50	400	500	56

W E L L L O G

FORMATION	TOP FEET	BOTTOM FEET	REMARKS: FRESH & SALT WATER, COAL, OIL & GAS
KB - GL	0	10	
sand, shale, RR	10	1457	1/2" water @45'
Maxton	1457	1501	
sand, shale	1501	1895	Coal 42' - 45', 190' - 193'
Big Lime	1895	1960	gas chk @ 1707' No Show
sand, shale	1960	1963	
Big Injun	1963	2040	
sand, shale	2040	2376	gas chk @ 2108' No Show
Gantz	2376	2405	
sand, shale	2405	2476	
Fifty Foot	2476	2505	gas chk @ 2538' No Show
sand, shale	2505	2644	gas chk @ 2630' No Show
Gordon	2644	2704	gas chk @ 2691' 6/10 -1" w/water
sand, shale	2704	2758	
5th	2758	2794	
sand, shale	2794	3269	gas chk @ 3001' 16/10 -1" w/water
Warren	3269	3348	
sand, shale	3348	3452	
Speechley	3452	3742	gas chk @ 3619' 6/10 -1" w/water
sand, shale	3742	3775	
Balltown	3775	4162	
sand, shale	4162	4172	
Bradford	4172	4274	
sand, shale	4274	4697	
Riley	4697	4880	
sand, shale	4880	4917	
Benson	4917	4960	gas chk @ 5012' 30/10 -1" w/water
sand, shale	4960	5157	Driller TD
		5157	Logger TD
			gas chk @ TD 18/10 -1" w/water