

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: 12/07/2012
API #: 47-033-05556

Farm name: Hudkins, R.D. Operator Well No.: Hudkins 3HM

LOCATION: Elevation: 1174' GL Quadrangle: Mount Clare 7.5'

District: Grant County: Harrison
Latitude: 2.867 Feet South of 39 Deg. 12 Min. 30 Sec.
Longitude 5.137 Feet West of 80 Deg. 20 Min. 00 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>20"</u>	<u>27'</u>	<u>27'</u>	<u>Grout to Surface</u>
Agent: <u>Bob Williamson</u>	<u>13 3/8"</u>	<u>462'</u>	<u>462'</u>	<u>466</u>
Inspector: <u>Tristan Jenkins</u>	<u>9 5/8"</u>	<u>2768'</u>	<u>2768'</u>	<u>1135</u>
Date Permit Issued: <u>06/15/2011</u>	<u>5 1/2"</u>	<u>13,934'</u>	<u>13,934'</u>	<u>3671</u>
Date Well Work Commenced: <u>07/12/2011</u>				
Date Well Work Completed: <u>10/09/2012</u>				
Verbal Plugging: <u>N/A</u>				
Date Permission granted on: <u>-----</u>				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>7212'</u>				
Total Measured Depth (ft): <u>13,959'</u>				
Fresh Water Depth (ft.): <u>17', 142'</u>				
Salt Water Depth (ft.): <u>1410'</u>				
Is coal being mined in area (N/Y)? <u>N</u>				
Coal Depths (ft.): <u>None Reported</u>				
Void(s) encountered (N/Y) Depth(s) <u>None</u>				

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

Producing formation Marcellus Shale Pay zone depth (ft) 7197'
Gas: Initial open flow N/A MCF/d Oil: Initial open flow --- Bbl/d
Final open flow 5013 MCF/d Final open flow --- Bbl/d
Time of open flow between initial and final tests 720 Hours
Static rock Pressure 1550 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

RECEIVED
Office of Oil & Gas

JAN 29 2013

WV Department of
Environmental Protection

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

12/07/2012

Date

02/15/2013

Were core samples taken? Yes _____ No XX

Were cuttings caught during drilling? Yes XX No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Sonic Scanner/CBL/GR/CCI from 13744'-5450', OH Mud Log from 6100'- 13,959'. Weatherford OH Photo Dens/Comp Neu/Dual Laterlog/Comp Sonic from 7380' - Surface (Pilot Log). Baker Directional GR from 2790' - 13,980'.

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:

Perforated interval 7,755 ft – 13,870 ft (4600 shots). Frac'd 15 stages using 357 bbls 15% HCL, and 156,100 bbls of Slickwater carrying 1,473,400 lbs of 100-mesh sand, 5,397,500 lbs of 40/70 sand, and 17,000 lbs of 30/50 sand.

Plug Back Details Including Plug Type and Depth(s): N/A

Formations Encountered: Surface:	Top Depth	/	Bottom Depth
Little Lime	1476	1503	(All depths TVD except MD-TD)
Big Lime	1520	1698	
Gantz	1982	2013	
Fifty Foot	2050	2101	
Gordon Stray	2149	2171	
4th SS	2280	2342	
5th Sand	2356	2383	
Bayard	2468	2489	
Benson	4459	4505	
Sycamore	6290	6370	
Tully LS	6956	7020	
Marcellus Shale	7164	7238	
Tioga Ash	7238	7245	
Onondaga LS	7245	7255	
Huntersville Chert	7255	13,959	MD-TD

RECEIVED
Office of Oil & Gas
JAN 29 2013
WV Department of
Environmental Protection