

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

DATE: 7/15/2013
API #: 47-5902225

Farm name: Lois Marie Pratt Operator Well No.: 2174

LOCATION: Elevation: 1486.8 Quadrangle: Delbarton

District: Magnolia County: Mingo
Latitude: 716 Feet South of 37 Deg. 40 Min. 00 Sec.
Longitude 1.424 Feet West of 82 Deg. 10 Min. 00 Sec.

Company: Quality Natural Gas, LLC

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
<u>P.O. Box 460</u> <u>Allen, KY 41601</u>	<u>13 3/8"</u>	<u>15"</u>	<u>42</u>	
Agent: <u>James Hill</u>	<u>9 5/8"</u>	<u>12 3/8"</u>	<u>830</u>	<u>319</u>
Inspector: <u>Jeremy James</u>	<u>7"</u>	<u>8 7/8"</u>	<u>2,736</u>	<u>560</u>
Date Permit Issued: <u>10/28/2011</u>				
Date Well Work Commenced: <u>6/20/2013</u>				
Date Well Work Completed: <u>7/01/2013</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): <u>2,885'</u>				
Total Measured Depth (ft): <u>2,885'</u>				
Fresh Water Depth (ft.): <u>NONE</u>				
Salt Water Depth (ft.): <u>1,830</u>				
Is coal being mined in area (N/Y)? <u>No</u>				
Coal Depths (ft.): <u>498-501</u>				
Void(s) encountered (N/Y) Depth(s) <u>No</u>				

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

Producing formation Big Lime Pay zone depth (ft) _____
Gas: Initial open flow 10,361 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 600 psig (surface pressure) after 0.25 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

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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

7-17-13
Date

09/27/2013

59-02225

Were core samples taken? Yes _____ No X

Were cuttings caught during drilling? Yes _____ No X

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list NO-Natural Well

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:

Natural Well

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered:	Top Depth	/	Bottom Depth
<u>Surface:</u>			
FILL/SOIL	0-30	SAND	2160-2250
SAND/SHALE	30-180	SAND/SHALE/LIME	2250-2310
SAND/SHALE/COAL	180-210	RED ROCK	2310-2340
SAND/SHALE	210-510	SAND/SHALE/RR	2340-2430
SAND	510-630	SAND	2430-2580
SAND/SHALE	630-830	SAND/SLATE/LIME	2580-2640
SAND	830-870	LITTLE LIME	2640-2715
SHALE	870-900	BIG LIME	2715-2885 (TD)
SAND/SHALE	900-1170		
SAND	1170-1230		
SAND/SHALE	1230-1410		
SAND	1410-1650		
SAND/SHALE	1650-1800		
SAND	1800-1950		
SAND/SHALE	1950-2160		