

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: 8/23/2013 ✓
API #: 47-590228
59-02228

Farm name: CANTERBURY, TONI Operator Well No.: 2225

LOCATION: Elevation: 881.7' Quadrangle: DELBARTON

District: LEE County: MINGO
Latitude: 11,782 Feet South of 37 Deg. 42 Min. 30 Sec.
Longitude 3,128 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.
P.O. Box 460 Allen, KY 41601	9 5/8"	12 3/8"	264	118
Agent: James Hill	7"	8 7/8"	2075	440
Inspector: Jeremy James	4 1/2"	6 3/8"	4190	304
Date Permit Issued: 4/16/2012				
Date Well Work Commenced: 8/06/2013				
Date Well Work Completed: 8/10/2013				
Verbal Plugging:				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 4,180				
Total Measured Depth (ft): 4,193				
Fresh Water Depth (ft.): NO				
Salt Water Depth (ft.): 1,530				
Is coal being mined in area (N/Y)? NO				
Coal Depths (ft.): NONE				
Void(s) encountered (N/Y) Depth(s) NO				

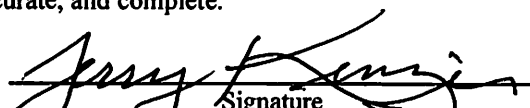
OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation SHALE Pay zone depth (ft) _____
Gas: Initial open flow 14.9 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 650 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 72 Hours
Static rock Pressure 620 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

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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

8/26/2013
Date

10/11/2013

Were core samples taken? Yes _____ No Were cuttings caught during drilling? Yes _____ No

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list _____

Electrical Logs _____

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:

SHALE 3584-4034 17 HOLES

SHALE/BEREA 2950-3232 15 HOLES

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

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

		BIG LIME	2080-2330
SAND/SHALE	34-360	INJUN	2330-2420
SAND	360-420	WEIR	2420-2630
SAND/SHALE	420-570	GRAY SHALE	2630-2915
SAND	570-720	COFFEE SHALE	2915-2930
SAND/SHALE	720-810	BEREA	2930-3005
SAND	810-1020	BROWN SHALE	3005-3240
SAND/SHALE	1020-1230	GRAY SHALE	3240-3750
SAND	1230-1320	GRAY/BROWN SHALE	3750-3810
SAND/SHALE	1320-1530	BROWN SHALE	3810-4065
SAND/SHALE/RR/LIME	1530-1770	WHITE SHALE	4065-4180
SAND/LIME	1770-1800		
SAND	1800-1910		
SAND/SHALE/RR/LIME	1910-2025		
LITTLE LIME	2025-2080		