

WR-35  
Rev (5-01)

DATE: 04-19-2011  
API #: 47-5902142

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: Quality Natural Gas Properties, Ltd Operator Well NO.: 2101

LOCATION: Elevation: 695.7' Quadrangle: MATEWAN

District: MAGNOLIA County: MINGO  
Latitude: 11,055 Feet South of 37 Deg. 37 Min. 30 Sec.  
Longitude 2,248 Feet West of 82 Deg. 07 Min. 30 Sec.

Company: M&M DRILLING, INC.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: <u>HC 71, RT. 4, BOX 87-A</u>	<u>13 3/8"</u>	<u>50'</u>	<u>50'</u>	
<u>WHARNCLIFFE, WV 25651</u>	<u>9 5/8"</u>	<u>264'</u>	<u>264'</u>	<u>142</u>
Agent: <u>JAMES HILL</u>	<u>7"</u>	<u>1934'</u>	<u>1934'</u>	<u>394</u>
Inspector: <u>GARY SCITES</u>	<u>4 1/4"</u>	<u>4173'</u>	<u>4173'</u>	<u>285</u>
Date Permit Issued: <u>03/05/2010</u>				
Date Well Work Commenced: <u>11/29/10</u>				
Date Well Work Completed: <u>12/06/10</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>YES</u> Cable _____ Rig _____				
Total Depth (feet): <u>4,198'</u>				
Fresh Water Depth (ft.): <u>25'</u>				
Salt Water Depth (ft.): <u>463'</u>				
Is coal being mined in area (N/Y)? <u>NO</u>				
Coal Depths (ft.): <u>100-102', 123-126'</u>				

OPEN FLOW DATA

Producing formation Shale, Shale/Berea Pay zone depth (ft) SEE ATTACHED  
Gas: Initial open flow 0 MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 260 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests 48 Hours  
Static rock Pressure 700 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

NOTE: ON BACK OF THIS FORM 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 ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: \_\_\_\_\_

Date: 4-19-2011

API# 47-5902142

WELL 2101

FROM	TO	ROCK TYPE (DESCRIBE ROCK TYPES AND OTHER MATERIALS PENETRATED AND RECORD OCCURRENCES OF OIL GAS, AND WATER FROM SURFACE TO TOTAL DEPTH)	FROM	TO	ROCK TYPE (DESCRIBE ROCK TYPES AND OTHER MATERIALS PENETRATED AND RECORD OCCURRENCES OF OIL GAS, AND WATER FROM SURFACE TO TOTAL DEPTH)
0	8	SUB BASE			
8	32	FILL			GAS CHECK @ 941' - LOWER SALT SAND/781
32	100	SAND/SHALE			GAS CHECK @ 2169' - BIG LIME/NO SMELL
100	102	COAL			GAS CHECK @ 2860' - BEREA/NO SMELL
102	123	SAND/SHALE			GAS CHECK @ 2925' - SHALE/NO SMELL
123	126	COAL			GAS CHECK @ 3000' - SHALE/NO SMELL
126	710	SAND/SHALE			GAS CHECK @ 3905' - BROWN SHALE/NO SMELL
710	1180	SALT SAND			GAS CHECK @ 4191' - T.D./NO SMELL
1180	1590	SAND/SHALE			
1590	1660	MAXTON			
1660	1780	SAND/SHALE			
1780	1880	LITTLE LIME			
1880	1916	SAND/SHALE			
1916	1930	LITTLE LIME			
1930	2169	BIG LIME			
2169	2200	INJUN			
2200	2860	SHALE			
2860	2925	BEREA			
2925	4189	SHALE			
4189	4191	CORNIFERIOUS			

**QUALITY NATURAL GAS, LLC**  
**WR-35 COMPLETION REPORT - Attachment**  
**TREATMENT SUMMARY**

WELL NAME & NO.	QUALITY NATURAL GAS, LLC, #2101
API #	47-5902142
DATE	03/21/2011

**STAGE NO. 1**

TYPE FRAC	NITROGEN
ACID AMOUNT	12 BARRELS
# PERFORATIONS	21 HOLES
PERF INTERVAL	3330-4090'
MAXIMUM PRESSURE	4242 PSI
INSTANT SHUT IN PRESSURE	1503 PSI
TOTAL TREATMENT VOLUME	1,001,755

**STAGE NO. 2**

TYPE FRAC	NITROGEN
ACID AMOUNT	12 BARRELS
# PERFORATIONS	14 HOLES
PERF INTERVAL	2882'-3058'
MAXIMUM PRESSURE	4601 PSI
INSTANT SHUT IN PRESSURE	1646 PSI
TOTAL TREATMENT VOLUME	982,588

**STAGE NO. 3**

TYPE FRAC	
ACID AMOUNT	
# PERFORATIONS	
PERF INTERVAL	
MAXIMUM PRESSURE	
INSTANT SHUT IN PRESSURE	
TOTAL TREATMENT VOLUME	