

WR-35  
Rev (5-01)

DATE: 05-28-2010  
API #: 47-5902126

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

Well Operator's Report of Well Work

Farm name: TODD JARRELL Operator Well NO.: 1742  
LOCATION: Elevation: 1291' Quadrangle: MATEWAN

District: MAGNOLIA County: MINGO  
Latitude: 4,009 Feet South of 37 Deg. 37 Min. 30 Sec.  
Longitude 7,519 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>140'</u>	<u>140'</u>	<u>207</u>
<u>WHARNCLIFFE, WV 25651</u>	<u>9 5/8"</u>	<u>940'</u>	<u>940'</u>	<u>366</u>
Agent: <u>JAMES HILL</u>	<u>7"</u>	<u>2524'</u>	<u>2524'</u>	<u>596</u>
Inspector: <u>GARY SCITES</u>	<u>4 1/2"</u>	<u>5005'</u>	<u>5005'</u>	<u>314</u>
Date Permit Issued: <u>10/23/2009</u>				
Date Well Work Commenced: <u>11/28/09</u>				
Date Well Work Completed: <u>12/06/09</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>YES</u> Cable Rig				
Total Depth (feet): <u>5,020'</u>				
Fresh Water Depth (ft.): <u>183</u>				
Salt Water Depth (ft.): <u>1562'</u>				
Is coal being mined in area (N/Y)? <u>NO</u>				
Coal Depths (ft.): <u>103-107'</u>				

OPEN FLOW DATA

Producing formation Shale, Shale/Berea, Big Lime Pay zone depth (ft)SEE ATTACHED  
Gas: Initial open flow 176 MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 557 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests 48 Hours  
Static rock Pressure 92 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: [Signature]  
Date: May 28, 2010

API# 47-5902126

WELL 1742

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			GAS CHECK @ 2884' - INJUN/SMELL
8	35	SAND STONE			GAS CHECK @ 3454' - BEREA/SMELL
35	103	SAND/SHALE			GAS CHECK @ 5015' - SHALE/NO SMELL
103	107	COAL			
107	178	SAND/SHALE			
178	186	RED ROCK			
186	1445	SAND/SHALE			
1445	1747	SAND			
1747	1820	SALT SAND			
1820	1894	SAND			
1894	1910	SHALE			
1910	1955	SAND/SHALE			
1955	2038	SHALE			
2038	2419	SAND/SHALE			
2419	2457	SHALE			
2457	2517	LITTLE LIME			
2517	2729	BIG LIME			
2729	2830	INJUN			
2830	3400	SAND/SHALE			
3400	3427	BEREA			
3427	5015	SHALE			

03/30/2012

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

WELL NAME & NO.	QUALITY NATURAL GAS, LLC, #1742
API #	47-5902126
DATE	05/12/2010

**STAGE NO. 1**

TYPE FRAC	NITROGEN
ACID AMOUNT	12 BARRELLS
# PERFORATIONS	18 HOLES
PERF INTERVAL	4050-4758'
MAXIMUM PRESSURE	4537 PSI
INSTANT SHUT IN PRESSURE	1748 PSI
TOTAL TREATMENT VOLUME	903.528

**STAGE NO. 2**

TYPE FRAC	NITROGEN
ACID AMOUNT	12 BARRELLS
# PERFORATIONS	14 HOLES
PERF INTERVAL	3436'-3692'
MAXIMUM PRESSURE	4524 PSI
INSTANT SHUT IN PRESSURE	1645 PSI
TOTAL TREATMENT VOLUME	903.119

**STAGE NO. 3**

TYPE FRAC	ACID
ACID AMOUNT	119 BARRELLS
# PERFORATIONS	15 HOLES
PERF INTERVAL	2694'-2708'
MAXIMUM PRESSURE	1758 PSI
INSTANT SHUT IN PRESSURE	793 PSI
TOTAL TREATMENT VOLUME	214.316