

WR-35
Rev (5-01)

DATE: 04-19-2011
API#: 47-5902001

RECEIVED
Office of Oil & Gas
MAR 26 2012
DEPARTMENT OF
Environmental Protection

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

Well Operator's Report of Well Work

Farm name: RAWL SALES & PROCESSING Operator Well NO.: 1859

LOCATION: Elevation: 1136.0' Quadrangle: DELBARTON

District: MAGNOLIA County: MINGO
Latitude: 8,318 Feet South of 37 Deg. 40 Min. 00 Sec.
Longitude 8,523 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>158'</u>	<u>155'</u>	<u>153</u>
<u>WHARNCLIFFE, WV 25651</u>	<u>9 5/8"</u>	<u>660'</u>	<u>660'</u>	<u>295</u>
Agent: <u>JAMES HILL</u>	<u>7"</u>	<u>2327'</u>	<u>2327'</u>	<u>486</u>
Inspector: <u>GARY SCITES</u>	<u>4 1/2"</u>	<u>4548'</u>	<u>4548'</u>	<u>295</u>
Date Permit Issued: <u>12/29/2008</u>				
Date Well Work Commenced: <u>09/16/10</u>				
Date Well Work Completed: <u>09/24/10</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>YES</u> Cable Rig				
Total Depth (feet): <u>4,586'</u>				
Fresh Water Depth (ft.): <u>430', 878'</u>				
Salt Water Depth (ft.): <u>NONE</u>				
Is coal being mined in area (N/Y)? <u>NO</u>				
Coal Depths (ft.): <u>325-330'</u>				

OPEN FLOW DATA

Producing formation Shale, Shale/Berea, Big Lime Pay zone depth (ft) SEE ATTACHED
Gas: Initial open flow 0 MCF/d Oil: Initial open flow Bbl/d
Final open flow 531 MCF/d Final open flow Bbl/d
Time of open flow between initial and final tests 48 Hours
Static rock Pressure 750 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: *Jerry K...*
Date: 4-19-2011

UNRECORDED
 DEPARTMENT OF
 OIL & GAS
 MAR 26 2012
 WV STATE DEPARTMENT OF
 ENVIRONMENTAL PROTECTION

API# 47-5902001

WELL 1859

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	22	FILL			GAS CHECK @ 2650' - INJUN/NO SMELL
22	48	SANDSTONE			GAS CHECK @ 2880' - SHALE/NO SMELL
48	114	SAND/SHALE			GAS CHECK @ 3286' - SHALE/SMELL
114	118	OPEN MINE			GAS CHECK @ 4200' - B.SHALE/SMELL
118	325	SAND/SHALE			GAS CHECK @ 4583' - DEVONIAN SHALE/SMELL
325	330	COAL			
330	1250	SAND/SHALE			
1250	1532	SALT SAND			
1532	1711	SAND/SHALE			
1711	1750	SALT SAND			
1750	1802	SAND/SHALE			
1802	1845	SALT SAND			
1845	2050	SAND/SHALE			
2050	2163	MAXTON			
2163	2220	SAND/SHALE			
2220	2269	LITTLE LIME			
2269	2314	SAND/SHALE			
2314	2610	BIG LIME			
2610	2650	INJUN			
2650	3223	GREY SHALE			
3223	3286	BEREA			
3286	4050	DEVONIAN SHALE			
4050	4200	BROWN SHALE			
4200	4583	WHITE SHALE			

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

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WELL NAME & NO.	QUALITY NATURAL GAS, LLC, #1859
API #	47-5902001
DATE	03/24/2011

STAGE NO. 1

TYPE FRAC	NITROGEN
ACID AMOUNT	12 BARRELS
# PERFORATIONS	16 HOLES
PERF INTERVAL	4140-4358'
MAXIMUM PRESSURE	4351 PSI
INSTANT SHUT IN PRESSURE	1575 PSI
TOTAL TREATMENT VOLUME	968,022

STAGE NO. 2

TYPE FRAC	NITROGEN
ACID AMOUNT	12 BARRELS
# PERFORATIONS	17 HOLES
PERF INTERVAL	3238'-3622'
MAXIMUM PRESSURE	4545 PSI
INSTANT SHUT IN PRESSURE	1395 PSI
TOTAL TREATMENT VOLUME	990,209

STAGE NO. 3

TYPE FRAC	ACID
ACID AMOUNT	143 BARRELS
# PERFORATIONS	18 HOLES
PERF INTERVAL	2498-2530'
MAXIMUM PRESSURE	2700 PSI
INSTANT SHUT IN PRESSURE	1365 PSI
TOTAL TREATMENT VOLUME	144,557

03/30/2012