

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

Well Operator's Report of Well Work

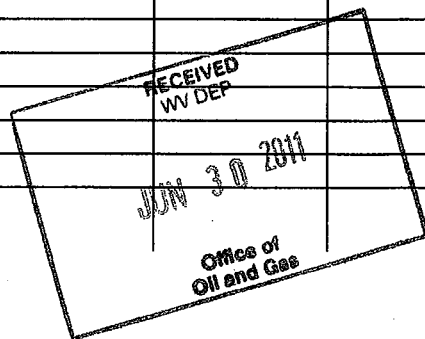
Farm name: JEROME MARCUM Operator Well NO.: 1730

LOCATION: Elevation: 882' Quadrangle: MATEWAN

District: MAGNOLIA County: MINGO  
Latitude: 10.023 Feet South of 37 Deg. 35 Min. 00 Sec.  
Longitude 1.411 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>32'</u>	<u>32'</u>	
<u>WHARNCLIFFE, WV 25651</u>	<u>9 5/8"</u>	<u>755'</u>	<u>755'</u>	<u>153</u>
Agent: <u>JAMES HILL</u>	<u>7"</u>	<u>2358'</u>	<u>2358'</u>	<u>425</u>
Inspector: <u>GARY SCITES</u>	<u>4 1/2"</u>	<u>5020'</u>	<u>5020'</u>	<u>314</u>
Date Permit Issued: <u>12/20/2007</u>				
Date Well Work Commenced: <u>09/28/09</u>				
Date Well Work Completed: <u>10/03/09</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>YES</u> Cable Rig				
Total Depth (feet): <u>5,022'</u>				
Fresh Water Depth (ft.): <u>444'</u>				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? <u>NO</u>				
Coal Depths (ft.): <u>206-208'</u>				



OPEN FLOW DATA

Producing formation Shale, Shale/Berea Pay zone depth (ft)SEE ATTACHED  
Gas: Initial open flow 18.26 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

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 Kuzner*  
Date: June 27, 2011

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	29	SURFACE			
29	50	SAND			GAS CHECK @ 2390' - 8 7/8" TD/NO GAS
50	144	SAND/SLATE			GAS CHECK @ 2680' - INJUN/SMELL
144	206	SAND			GAS CHECK @ 3252' - COFFEE/SMELL
206	208	COAL			GAS CHECK @ 3554' - BROWN/SMELL
208	270	SAND			
270	416	SAND/SLATE			
416	478	SAND			
478	512	SALTE			
512	631	SAND/SLATE			
631	818	SAND			
818	824	SAND/SLATE			
824	947	SAND			
947	991	SLATE			
991	1010	SAND/SLATE			
1010	1150	SAND			
1150	1205	SLATE			
1205	1217	SAND			
1217	1293	SAND/SLATE			
1293	1750	SAND			
1750	1800	SLATE/SAND			
1800	1850	SLARE/RED ROCK			
1850	1900	RED ROCK			
1900	1930	SAND/SLATE			
1930	1990	RED ROCK			
1990	2110	SAND/SLATE			
2110	2200	SAND			
2200	2230	SAND/SLATE			
2230	2300	SAND			
2300	2340	SAND/SLATE			
2340	2412	DARK LIME			
2412	2656	BIG LIME			
2656	2716	INJUN			
2716	2930	WEIR			
2930	3228	SHALE			
3228	3290	COFFEE SHALE			
3290	3390	BEREA			
3390	3530	GREY SHALE			
3530	3590	BROWN SHALE			
3590	4300	WHITE SHALE			
4300	4350	BROWN SHALE			
4350	4460	WHITE SHALE			
4460	4488	BROWN SHALE			
4488	4860	WHITE SHALE			
4860	4098	BROWN SHALE			
4098	5030	MARCELLOUS			
5030	5042	CORNIFEROUS			

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

WELL NAME & NO.  
API #  
DATE

QUALITY NATURAL GAS, LLC, #1730  
47-5901888  
NOT YET TREATED

**STAGE NO. 1**

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**STAGE NO. 2**

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**STAGE NO. 3**

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

