

WR-35
Rev (5-01)

DATE: 12/19/2011
API #: 47-5902106

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

Well Operator's Report of Well Work

Farm name: Ralph & Kimberly Mavnard Operator Well NO.: 1988

LOCATION: Elevation: 710.7' Quadrangle: DELBARTON

District: LEE County: MINGO
Latitude: 7.425 Feet South of 37 Deg. 45 Min. 00 Sec.
Longitude 6.852 Feet West of 82 Deg. 10 Min. 00 Sec.

Company: Mountain Ridge, LLC

	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>51'</u>	<u>51'</u>	
<u>WHARNCLIFFE, WV 25651</u>	<u>9 5/8"</u>	<u>262'</u>	<u>262'</u>	<u>148</u>
Agent: <u>JAMES HILL</u>	<u>7"</u>	<u>1904'</u>	<u>1904'</u>	<u>449</u>
Inspector: <u>GARY SCITES</u>	<u>4 1/2"</u>			
Date Permit Issued: <u>10/16/2009</u>				
Date Well Work Commenced: <u>08/26/11</u>				
Date Well Work Completed: <u>11/13/11</u>				
Verbal Plugging:				
Date Permission granted on:				
Rotary <u>YES</u> Cable Rig				
Total Depth (feet): <u>3,855'</u>				
Fresh Water Depth (ft.): <u>175'</u>				
Salt Water Depth (ft.): <u>NONE</u>				
Is coal being mined in area (N/Y)? <u>NO</u>				
Coal Depths (ft.): _____				

OPEN FLOW DATA

Producing formation Shale/Weir/Big Lime Pay zone depth (ft)SEE ATTACHED
Gas: Initial open flow 373 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 978 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 640 psig (surface pressure) after 72 Hours

RECEIVED
Office of Oil & Gas
DEC 21 2011

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

WV Department of
Environmental Protection

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 Kenzie
Date: 12-19-2011

05/18/2012

API# 47-5902106

WELL 1988

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	30	FILL DIRT			GAS CHECK @ INJUN 60/10 2"W
30	90	SHALE			GAS CHECK @ BEREA 35/10 2"W
90	150	SAND/SHALE			GAS CHECK @ T.D. 42/10 2"W
150	210	SAND			
210	390	SAND/SHALE			
390	450	SAND			
450	630	SAND/SHALE			
630	900	SAND			
900	1050	SAND/SHALE			
1050	1260	SAND			
1260	1320	SAND/SHALE			
1320	1410	SAND			
1410	1560	SAND/SHALE			
1560	1680	SAND			
1680	1710	SAND/SHALE			
1710	1740	SAND			
1740	1755	SAND/SHALE			
1755	1835	LITTLE LIME			
1835	2040	BIG LIME			
2040	2085	INJUN			
2085	2585	WEIR			
2585	2630	COFFEE SHALE			
2630	2705	BEREA			
2705	3120	BROWN SHALE			
3120	3405	GRAY SHALE			
3405	3720	BROWN SHALE			
3720	3845	WHITE SHALE			
3845		MARCELLOUS			

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

WELL NAME & NO.	<u>QUALITY NATURAL GAS, LLC, #1988</u>
API #	<u>47-5902106</u>
DATE	<u>12/05/2011</u>

STAGE NO. 1

TYPE FRAC	<u>NITROGEN</u>
ACID AMOUNT	<u>12 BARRELS</u>
# PERFORATIONS	<u>17 HOLES</u>
PERF INTERVAL	<u>3304-3710'</u>
MAXIMUM PRESSURE	<u>4492 PSI</u>
INSTANT SHUT IN PRESSURE	<u>1357 PSI</u>
TOTAL TREATMENT VOLUME	<u>980,096</u>

STAGE NO. 2

TYPE FRAC	<u>NITROGEN</u>
ACID AMOUNT	<u>12 BARRELS</u>
# PERFORATIONS	<u>15 HOLES</u>
PERF INTERVAL	<u>2126-2950'</u>
MAXIMUM PRESSURE	<u>4537 PSI</u>
INSTANT SHUT IN PRESSURE	<u>1306 PSI</u>
TOTAL TREATMENT VOLUME	<u>979,292</u>

STAGE NO. 3

TYPE FRAC	<u>ACID</u>
ACID AMOUNT	<u>143 BARRELS</u>
# PERFORATIONS	<u>20 HOLES</u>
PERF INTERVAL	<u>1964-1992'</u>
MAXIMUM PRESSURE	<u>2787</u>
INSTANT SHUT IN PRESSURE	<u>1185</u>
TOTAL TREATMENT VOLUME	<u>196,539</u>

RECEIVED
Office of Oil & Gas
DEC 21 2011
WV Department of
Environmental Protection