

COPY

**State of West Virginia
 Division of Environmental Protection
 Section of Oil and Gas
 Well Operator's Report of Well Work**

API# 4709101102

Farm Name Knotts, Richard D. Well Number 510993
 Location Elevation 1,327 Quadrangle ROSEMONT
District Booths Creek County Taylor, WV
Latitude 4230 FSL 39.00 20.00 0.00
Longitude 4630 FWL 80.00 7.00 30.00

Company EQT Production Company
1710 Pennsylvania Avenue Charleston,
WV 25328
 Agent Cecil Ray
 Inspector Bill Harfield
 Permit Issued _____
 Well Work Commenced 08/29/2008
 Well Work Completed 12/21/2008
 Verbal Plugging
 Permission granted on: _____
 Rotary Rig X Cable Rig _____

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cubic Ft
16	44	44	
11 3/4	750	750	423.00
8 5/8	2,725	2,725	805.20
4 1/2	3,539	3,539	
5 1/2	5,327	5,327	

Total Depth 9,873 MD 6651 TVD

Water Encountered

Type	From
Fresh water	damp @ 82'

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JUN 07 2012

WV Department of
Environmental Protection

Coal & Open Mines

Type	From
Coal	none reported

Open Flow Data

Producing Formation Marcellus ; Marcellus ; Marcellus ; Marcellus ; Marcellus ;
 Pay Zone Depth (ft): See attached for details
 Gas: Initial Open Flow 0 MCF _____ Date _____ Oil: Initial Open Flow _____ Bbl/d
 Final Open Flow 0 MCF 11/01/2008 Date _____ Final Open Flow _____
 Time of open flow between initial and final tests 0 hours
 Static Rock Pressure 9,352 after 3.75 hours
 Second Producing Formation _____ Pay Zone Depth (ft) _____
 Gas: Initial Open Flow _____ MCF _____ Date _____ Oil: Initial Open Flow _____ Bbl/d
 Final Open Flow _____ MCF _____ Date _____ Final Open Flow _____
 Time of open flow between initial and final tests _____ hours
 Static Rock 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, a systematic detailed geological record of all formations including coal encountered in the well bore

By [Signature]
 For EQT Production Company
 Date 6/3/09

06/29/2012

Well Number 510993

EQT Company
WR-35 Completion Report - Attachment
Well Treatment Summary

API # 4709101102

Stage1	Stage2	Stage3	Stage4	Stages
Date 11/01/2008	Date 11/01/2008	Date 11/01/2008	Date 11/01/2008	Date 11/01/2008
FracTyp Slickwater	FracTyp Slickwater	FracTyp Slickwater	FracTyp Slickwater	FracTyp Slickwater
Zone Marcellus	Zone Marcellus	Zone Marcellus	Zone Marcellus	Zone Marcellus
# of Perfs	# of Perfs	# of Perfs	# of Perfs	# of Perfs
From/To 8.804- 8.804	From/To 8.560- 8.560	From/To 8.244- 8.244	From/To 7.964- 7.964	From/To 7.643- 7.643
BD Press 0	BD Press 7.450	BD Press 7.572	BD Press 7.861	BD Press 6.715
ATP Psi 7.408	ATP Psi 7.099	ATP Psi 7.099	ATP Psi 7.431	ATP Psi 7.580
Avg Rate 54	Avg Rate 60	Avg Rate 58	Avg Rate 57	Avg Rate 57
Max Press Psi 7.577	Max Press Psi 7.569	Max Press Psi 7.509	Max Press Psi 7.861	Max Press Psi 8.600
ISIP Psi 0	ISIP Psi 0	ISIP Psi 0	ISIP Psi 0	ISIP Psi 0
10min SIP 0 5 min.	10min SIP 0 5 min.	10min SIP 0 5 min.	10min SIP 0 5 min.	10min SIP 0 5 min.
Frac Gradient 0.00	Frac Gradient 0.00	Frac Gradient 0.00	Frac Gradient 0.00	Frac Gradient 0.00
Sand Proppant 761.72	Sand Proppant 4,005.30	Sand Proppant 4,009.61	Sand Proppant 360.00	Sand Proppant 3,240.00
Water-bbl 8600	Water-bbl 10478	Water-bbl 10112	Water-bbl 9792	Water-bbl 14478
SCF N2 0	SCF N2 0	SCF N2 0	SCF N2 0	SCF N2 0
Acid-gal 1.500 gal 15%HCL	Acid-gal 1.500 gal 15%HCL	Acid-gal 1.500 gal 15%HCL	Acid-gal 1.500 gal 15%HCL	Acid-gal 1.500 gal 15%HCL

Formation Name	Depth To	Depth Bottom	Formation Thick
Sand and Shale	0.00	2,304	2,303.78
5TH	2,303.78	0	0.00
B-5	2,731.80	0	0.00
SPEECHLEY	2,748.00	0	0.00
BRADFORD	3,303.89	0	0.00
RILEY	3,669.90	0	0.00
BENSON	4,275.68	0	0.00
SONYEA	6,651.35	0	0.00
MIDDLESEX	6,906.07	0	0.00
GENESSEE	6,943.12	0	0.00
GENESEO	7,158.89	0	0.00
TULLY	7,188.82	0	0.00
LUDLOWVILLE	7,219.43	0	0.00
HAMILTON	7,248.05	7,382	133.95
SKANEATELES	7,325.84	0	0.00
MARCELLUS BLK S	7,382.87	0	0.00
MARCELLUS	7,420.05	7,518	97.54
PURCELL	7,445.95	0	0.00
CHERRY VALLEY	7,483.03	0	0.00
ONONDAGA	7,517.59	0	0.00

Gas Tests

Depth	Remarks
	None reported