

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

API #

4701705851

017-05851

not logged. Deviation survey is attached

Well Name W.B. Maxwell
 Location Elevation 1240
 District Unknown
 Latitude 3250 Degree 39 Minutes 12 Seconds 30
 Longitude 11520 West Degree 80 Minutes 45 Seconds 0
 Company EQT Plaza
 Suite 1700
 625 Liberty Avenue
 Pittsburgh, Pa 15222

Well Number 512434
 QUAD Oxford
 County Doddridge, WV, WV
 WV

Longitude 39.19867
 Latitude -80.79064

Agent Cecil Ray
 Inspector David Scrange
 Permit Issued 7/7/2009
 Well Work Commenced 1/29/2010
 Well Work Completed 3/14/2011
 Perforating Plugging

Casing & Tubing Size	Used In Drilling	Left in Well	Cement Cubic FT
20	40.00	40.00	
13 3/8	996.00	996.00	852.00
9 5/8	3008.00	3,008.00	7,223.75
5 1/2	11915.00	11,915.00	1,638.67

Rotary Rig X Rotary Rig
 Total Depth 11,935.00
 VD 6679.54'

Type From
 not Reported

Type From
 not Reported
 Producing Formation marcellus

Gas: Initial Open Flow n/a
 Final Open Flow 2500 mcf/d
 Static Rock Pressure 2400 psi

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

For EQT Production Company
 By Mike Butcher
 Date 4/10/2011

Formation record

Gas Tests

Formation Name	Top	Bottom	Thickness	Depth Gas	Comments
SAND AND SHALE	0.00	1,718.00	1,718.00	0.00	0. Not Reported
MAXTON	1,718.85	1,884.67	165.82		
BIG LIME	1,884.67	1,984.02	99.35		
BIG INJUN	1,984.02	2,177.24	193.22		
WEIR	2,177.24	2,380.61	203.37		
WEAVER	2,380.61	2,394.33	13.72		
WANTZ	2,394.33	2,475.29	80.96		
WOLF	2,475.29	2,585.61	110.32		
WOLF	2,585.61	2,628.09	42.48		
WYNDON	2,628.09	2,732.92	104.83		
YOUTH	2,732.92	2,867.22	134.30		
YOUTH	2,867.22	2,906.96	39.74		
ZAYARD	2,906.96	3,240.64	333.68		
ZWARREN	3,240.64	3,311.21	70.57		
ZPEECHLEY	3,311.21	3,842.23	531.02		
ZALLTOWN A	3,842.23	3,995.71	153.48		
ZALLTOWN B	3,995.71	4,184.82	189.11		
ZRADFORD	4,184.82	4,447.93	263.11		
ZWILEY	4,447.93	4,876.17	428.24		
ZWENSON	4,876.17	5,126.26	250.09		
ZALEXANDER	5,126.26	6,276.62	1,150.36		
ZWONYEA	6,276.62	6,423.75	147.13		
ZWIDDLESEX	6,423.75	6,451.77	28.02		
ZWENESSEE	6,451.77	6,553.50	101.73		
ZWENESEO	6,553.50	6,593.92	40.42		
ZWULLY	6,593.92	6,613.79	19.87		
ZWAMILTON	6,613.79	6,628.87	15.08		
ZWARGELLUS BLK SHALE	6,628.87	6,642.57	13.70		
ZWURCELL	6,642.57	6,647.91	5.34		
ZWARGELLUS	6,647.91	6,667.92	20.01		
ZWHERRY VALLEY	6,667.92	6,689.85	21.93		

The tops are from a nearby offset well and are not direct measurements from a well log.

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11,935

were core samples taken? no

were cuttings caught during drilling? no

electrical, mechanical, geophysical logs taken? no

Stage	Formation	Frac Type				
1	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
1/18/2011	11609 - 11851		6,507.00	8,457.00	5 Min: 3072	
					10 Min: 2895	
					15 Min: 2796	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
88.00	9,335.00	3,954.00	1.02			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
401,519.00	13,148.00		4,000.00			

Stage	Formation	Frac Type				
2	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
1/21/2011	11309 - 11551		6,474.00	8,039.00	5 Min: 3288	
					10 Min: 3000	
					15 Min: 2853	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
100.00	8,296.00	4,151.00	1.05			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
427,250.00	10,823.00		2,000.00			

Stage	Formation	Frac Type				
3	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
1/23/2011	11009 - 11251		6,080.00	8,377.00	5 Min: 3487	
					10 Min: 3264	
					15 Min: 3120	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
93.00	8,895.00	4,416.00	1.09			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
390,535.00	11,347.00		2,000.00			

Stage	Formation	Frac Type				
4	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
1/23/2011	10709 - 10951		6,060.00	8,292.00	5 Min: 3474	
					10 Min: 3130	
					15 Min: 3085	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
94.00	8,857.00	4,432.00	1.1			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
404,386.00	11,991.00		2,000.00			

Stage	Formation	Frac Type				
5	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
1/24/2011	10409 - 10651		6,514.00	7,788.00	5 Min: 3375	
					10 Min: 3133	
					15 Min: 2980	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
100.00	8,052.00	3,596.00	0.97			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
407,838.00	10,510.00		2,000.00			

Stage	Formation	Frac Type				
6	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
1/24/2011	10109 - 10351		5,477.00	7,746.00	5 Min: 3855	
					10 Min: 3500	
					15 Min: 3298	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
89.00	9,392.00	4,068.00	1.04			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
404,964.00	15,059.00		2,000.00			

Stage	Formation	Frac Type			
7	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/26/2011	9809 - 10051		5,580.00	6,878.00	5 Min: 3940
					10 Min: 3606
					15 Min: 3390
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
100.00	8,233.00	4,708.00	1.14		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
399,450.00	10,882.00		2,000.00		

Stage	Formation	Frac Type			
8	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/26/2011	9509 - 9751		4,900.00	7,806.00	5 Min: 4112
					10 Min: 3809
					15 Min: 3619
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
100.00	8,126.00	5,037.00	1.19		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
402,821.00	10,084.00		2,000.00		

Stage	Formation	Frac Type			
9	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/27/2011	8909 - 9451		5,258.00	7,456.00	5 Min: 3530
					10 Min: 3239
					15 Min: 3077
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
99.00	8,648.00	5,061.00	1.19		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
406,633.00	10,473.00		2,000.00		

Stage	Formation	Frac Type			
10	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/27/2011	8909 - 9151		5,667.00	7,834.00	5 Min: 3750
					10 Min: 3455
					15 Min: 3260
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
103.00	8,339.00	4,593.00	1.12		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
420,144.00	11,671.00		2,000.00		

Stage	Formation	Frac Type			
11	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/28/2011	8609 - 8851		6,036.00	7,165.00	5 Min: 4735
					10 Min: 3441
					15 Min: 3249
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
101.00	7,416.00	5,560.00	1.27		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
403,762.00	12,191.00		2,000.00		

Stage	Formation	Frac Type			
12	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
1/29/2011	8309 - 8551		5,517.00	7,414.00	5 Min: 3454
					10 Min: 3328
					15 Min: 3222
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
102.00	7,903.00	4,303.00	0.92		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
402,840.00	10,245.00		2,000.00		

Stage	Formation	Frac Type
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13	MARCELLUS	Slickwater
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Date	From / To	# of perfs	BD Press	ATP Psi
1/29/2011	8009 - 8251		5,126.00	7,243.00

SIP Detail

5 Min: 3253

10 Min: 3098

15 Min: 3021

Avg Rate	Max Press PSI	ISIP	Frac Gradient
102.00	7,359.00	3,859.00	1.02

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
384,374.00	10,148.00		2,000.00

Stage	Formation	Frac Type
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14	MARCELLUS	Slickwater
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Date	From / To	# of perfs	BD Press	ATP Psi
1/30/2011	7709 - 7951		5,155.00	6,752.00

SIP Detail

5 Min: 3449

10 Min: 3280

15 Min: 3119

Avg Rate	Max Press PSI	ISIP	Frac Gradient
101.00	8,340.00	4,029.00	1.04

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
408,367.00	11,670.00		2,000.00

Stage	Formation	Frac Type
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15	MARCELLUS	Slickwater
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Date	From / To	# of perfs	BD Press	ATP Psi
1/31/2011	7409 - 7651		5,192.00	7,133.00

SIP Detail

5 Min: 3550

10 Min: 3418

15 Min: 3334

Avg Rate	Max Press PSI	ISIP	Frac Gradient
101.50	7,778.00	4,096.00	1.05

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
405,486.00	9,982.00		2,000.00

Stage	Formation	Frac Type				
16	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
1/31/2011	7109 - 7351		5,175.00	7,058.00	5 Min: 3513	
					10 Min: 3353	
					15 Min: 3265	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
101.00	7,565.00	4,338.00	1.08			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
386,487.00	10,713.00		2,000.00			

Stage	Formation	Frac Type				
17	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
2/1/2011	6809 - 7051		5,185.00	7,100.00	5 Min: 3424	
					10 Min: 3295	
					15 Min: 3201	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
94.00	9,020.00	3,822.00	1.01			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
400,947.00	10,383.00		2,000.00			