

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

API #

4701705926

deviated survey is attached

Farm Name I. L. Morris

Location Elevation 1140

District Unknown

Latitude 6650 Degree 39 Minutes 12 Seconds 30

Longitude 7380 West Degree 80 Minutes 47 Seconds 30

Company EQT Plaza
Suite 1700
625 Liberty Avenue
Pittsburgh, Pa 15222

Well Number 512445

QUAD Oxford

County Doddridge, WV

WV

Longitude 39.18996

Latitude -80.81763

Agent Cecil Ray
Inspector David Scrange
Permit Issued 11/6/2009

Well Work Commenced 6/4/2010

Well Work Completed 5/9/2011

Verbal Plugging

Rotary Rig X Rotary Rig _____

Total Depth 10,485.00

TND 6582'

Type From

Fresh Water 470.00

Producing Formation marcellus

Gas: Initial Open Flow not applicable

Final Open Flow 10,294 mcf/d

Static Rock Pressure 1150 psi

Casing & Tubing Size	Used In Drilling	Left in Well	Cement Cubic FT
20	42.00	42.00	
13 3/8	1106.00	1,106.00	928.20
9 5/8	2997.00	2,997.00	1,198.50
5 1/2	10436.00	10,436.00	1,365.80

Type	From
Coal	1,308.00 ft. - 1,315.00 ft.

RECEIVED
Office of Oil & Gas

JUN 10 2011

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, a systematic detailed geological record of all formations including coal encountered in the well bore

For EQT Production Company

By Mike Butcher

Date 6/6/2011

12/02/2011

Formation record

Gas Tests

Formation Name	Top	Bottom	Thickness
Sand	0.00	60.00	60.00
Sandstone	60.00	318.00	258.00
Shale	318.00	380.00	62.00
Sandstone	380.00	440.00	60.00
Red Rock	440.00	455.00	15.00
Sandstone and Shale	455.00	615.00	160.00
Red Rock	615.00	621.00	6.00
Sand and Shale	621.00	760.00	139.00
Red Rock	760.00	780.00	20.00
Shale	780.00	900.00	120.00
Red Rock	900.00	922.00	22.00
Shale	922.00	1,012.00	90.00
Sand and Shale	1,012.00	1,308.00	296.00
Coal	1,308.00	1,315.00	7.00
Sand and Shale	1,315.00	1,679.00	364.00
MAXTON	1,679.71	1,858.64	178.93
BIG LIME	1,858.64	1,919.81	61.17
KEENER	1,919.81	1,951.16	31.35
BIG INJUN	1,951.16	2,154.56	203.40
WEIR	2,154.56	2,348.78	194.22
BEREA	2,348.78	2,360.25	11.47
GANTZ	2,360.25	2,429.07	68.82
50F	2,429.07	2,564.60	135.53
30F	2,564.60	2,617.54	52.94
GORDON	2,617.54	2,720.36	102.82
4TH	2,720.36	2,854.73	134.37
5TH	2,854.73	2,896.98	42.25
BAYARD	2,896.98	3,209.78	312.80
WARREN	3,209.78	3,284.71	74.93
SPEECHLEY	3,284.71	3,817.68	532.97
BALLTOWN A	3,817.68	3,959.14	141.46
BALLTOWN B	3,959.14	4,154.89	195.75
BRADFORD	4,154.89	4,398.81	243.92
RILEY	4,398.81	4,819.37	420.56
BENSON	4,819.37	5,064.83	245.46
ALEXANDER	5,064.83	6,189.63	1,124.80
SONYEA	6,189.63	6,337.98	148.35
MIDDLESEX	6,337.98	6,389.22	51.24
GENESSEE	6,389.22	6,464.92	75.70
GENESEO	6,464.92	6,503.91	38.99
TULLY	6,503.91	6,523.79	19.88
HAMILTON	6,523.79	6,532.21	8.42
MARCELLUS BLK SHALE	6,532.21	6,546.73	14.52
PURCELL	6,546.73	6,569.94	23.21
CHERRY VALLEY	6,569.94	6,590.50	20.56

Depth	Gas	Comments
5,818.00		0 Odor

Formations are from a nearby offset well and are not direct measurements taken from a well log.

were core samples taken? no

were cuttings caught during drilling?
yes

were electrical, mechanical, or Geophysical logs run? no

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
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Stage	Formation	Frac Type				
1	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
3/30/2011	10136 - 10258		5,599.00	7,495.00	5 Min: 2718	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
80.00	8,078.00	4,294.00	1.07	10 Min: 2445		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal	15 Min: 2322		
79,997.00	5,552.00		2000			

Stage	Formation	Frac Type				
2	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
3/30/2011	10136 - 10258		5,699.00	7,200.00	5 Min: 2845	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
89.00	7,678.00	4,268.00	1.07	10 Min: 2571		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal	15 Min: 2434		
99,673.00	5,212.00		2000			

Stage	Formation	Frac Type				
3	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
3/31/2011	9986 - 10108		5,620.00	7,555.00	5 Min: 3380	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
97.00	7,983.00	4,809.00	1.15	10 Min: 2809		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal	15 Min: 2551		
100,758.00	6,183.00		2000			

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
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Stage	Formation	Frac Type				
4	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
3/31/2011	9836 - 9958		5,882.00	7,675.00	5 Min: 4570	
					10 Min: 3900	
					15 Min: 3515	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
97.00	8,010.00	5,560.00	1.26			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
100,064.00	5,313.00		2000			

Stage	Formation	Frac Type				
5	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
3/31/2011	9686 - 9808		6,084.00	7,595.00	5 Min: 4699	
					10 Min: 4100	
					15 Min: 3696	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
100.00	7,830.00	5,312.00	1.22			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
109,090.00	5,258.00		2000			

Stage	Formation	Frac Type				
6	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
4/1/2011	9536 - 9658		5,505.00	7,310.00	5 Min: 3328	
					10 Min: 2844	
					15 Min: 2576	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
99.00	7,621.00	4,687.00	1.15			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
100,089.00	5,409.00		2000			

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	Formation	Frac Type			
7	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/1/2011	9386 - 9508		5,365.00	7,308.00	5 Min: 3790
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 3335
100.00	7,577.00	5,067.00	1.2		15 Min: 2944
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
98,772.00	5,389.00		2000		
Stage	Formation	Frac Type			
8	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/1/2011	9236 - 9358		5,358.00	7,347.00	5 Min: 3390
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 2850
101.00	7,608.00	4,792.00	1.16		15 Min: 2694
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
100,337.00	5,270.00		2000		
Stage	Formation	Frac Type			
9	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/2/2011	9086 - 9208		5,248.00	6,608.00	5 Min: 3506
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 2832
92.00	7,676.00	4,623.00	1.14		15 Min: 2581
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
101,110.00	5,354.00		2000		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	Formation	Frac Type			
10	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/2/2011	8936 - 9058		5,439.00	7,165.00	5 Min: 2966
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 2691
101.00	7,639.00	4,545.00	1.11		15 Min: 2528
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
101,234.00	5,454.00		3000		
Stage	Formation	Frac Type			
11	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/2/2011	8786 - 8908		5,481.00	7,299.00	5 Min: 3074
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 2702
100.00	8,170.00	5,072.00	1.19		15 Min: 2560
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
100,109.00	5,220.00		3000		
Stage	Formation	Frac Type			
12	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/3/2011	8636 - 8758		5,299.00	7,315.00	5 Min: 3435
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 2900
100.00	7,924.00	5,049.00	1.22		15 Min: 2671
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
101,149.00	5,152.00		3000		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
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Stage	Formation	Frac Type				
13	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
4/3/2011	8486 - 8608		5,373.00	7,126.00	5 Min: 3117	
					10 Min: 2790	
					15 Min: 2637	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
100.00	7,412.00	4,848.00	1.16			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
101,112.00	5,208.00		2000			

Stage	Formation	Frac Type				
14	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
4/3/2011	8336 - 8458		5,402.00	7,059.00	5 Min: 3120	
					10 Min: 2863	
					15 Min: 2730	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
100.00	7,256.00	5,402.00	1.11			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
99,673.00	5,118.00		2000			

Stage	Formation	Frac Type				
15	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
4/4/2011	8186 - 8308		5,168.00	7,080.00	5 Min: 3836	
					10 Min: 3309	
					15 Min: 2977	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
100.00	7,320.00	5,007.00	1.18			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
100,036.00	5,353.00		2000			

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
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Stage	Formation	Frac Type				
16	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
4/4/2011	8036 - 8158		5,483.00	6,645.00	5 Min: 4250	
					10 Min: 3566	
					15 Min: 3169	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
101.00	6,856.00	5,163.00	1.2			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
100,425.00	5,752.00		2000			

Stage	Formation	Frac Type				
17	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
4/4/2011	7886 - 8008		5,620.00	6,791.00	5 Min: 3659	
					10 Min: 2929	
					15 Min: 2687	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
101.00	7,140.00	5,263.00	1.22			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
99,292.00	5,141.00		2000			

Stage	Formation	Frac Type				
18	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
4/5/2011	7736 - 7858		5,890.00	7,060.00	5 Min: 3104	
					10 Min: 2783	
					15 Min: 2628	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
100.00	7,196.00	4,769.00	1.14			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
102,860.00	5,367.00		2000			

EQT WR-35		Completion	Attachment	Well	Treatment	Summary
Stage	Formation	Frac Type				
19	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
4/5/2011	7586 - 7708		6,145.00	6,813.00	5 Min: 3078	
					10 Min: 2789	
					15 Min: 2655	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
101.00	7,284.00	4,476.00	1.09			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
100,609.00	5,161.00		2000			
Stage	Formation	Frac Type				
20	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
4/5/2011	7436 - 7558		5,234.00	7,231.00	5 Min: 3091	
					10 Min: 2880	
					15 Min: 2751	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
101.00	7,496.00	4,401.00	1.09			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
97,237.00	5,163.00		2000			
Stage	Formation	Frac Type				
21	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
4/5/2011	7286 - 7408		5,370.00	6,673.00	5 Min: 3312	
					10 Min: 3056	
					15 Min: 2910	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
100.00	7,574.00	4,651.00	1.13			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
99,360.00	5,336.00		2000			