

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

API # 4701705892

Log and deviation survey are attached

Farm Name Lucy E. Harper  
 Location Elevation 1270  
 District Unknown  
 Latitude 9760 Degree 39 Minutes 15 Seconds 0  
 Longitude 11710 West Degree 80 Minutes 45 Seconds 0

Well Number 512473  
 QUAD Oxford  
 County Doddridge, WV  
 WV

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

Longitude 39.22319  
 Latitude -80.79131

Agent Cecil Ray  
 Inspector David Scrange  
 Permit Issued 12/8/2009

Casing & Tubing Size	Used In Drilling	Left in Well	Cement Cubic FT
20	40.00	40.00	
13 3/8	1068.00	1,068.00	876.76
9 5/8	3166.00	3,166.00	1,282.50
5 1/2	10746.00	10,746.00	1,612.50

Well Work Commenced 4/13/2010  
 Well Work Completed 1/25/2011  
 Verbal Plugging

Rotary Rig X Rotary Rig

Total Depth 10,792.00  
 TVD 6694'

plug back depth : 5115'

cement plug : 195 3X class A

Type From  
 Salt Water 1,405.00

Producing Formation morecellus

Gas: Initial Open Flow n/a  
 Final Open Flow 6,432 mcf/d

Static Rock Pressure 960 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

RECEIVED  
 Office of Oil & Gas

MAR 02 2011

WV Department of  
 Environmental Protection

For EQT Production Company

By Mike Butcher  
 Date 2/24/2011

Formation record

Gas Tests

Formation Name	Top	Bottom	Thickness
SAND AND SHALE	0.00	3,264.00	3,264.00
WARREN	3,263.98	3,334.14	70.16
SPEECHLEY	3,334.14	4,023.00	688.86
BALLTOWN B	4,023.00	4,218.84	195.84
BRADFORD	4,218.84	4,476.06	257.22
RILEY	4,476.06	4,911.59	435.53
BENSON	4,911.59	5,164.91	253.32
ALEXANDER	5,164.91	6,269.82	1,104.91
SONYEA	6,269.82	6,431.56	161.74
MIDDLESEX	6,431.56	6,483.20	51.64
GENESSEE	6,483.20	6,551.46	68.26
GENESE0	6,551.46	6,593.29	41.83
TULLY	6,593.29	6,618.27	24.98
HAMILTON	6,618.27	6,635.70	17.43
MARCELLUS BLK SHALE	6,635.70		

Depth	Gas	Comments
3,235.00	103	6/10 thru 2"

TD 10,792

were core samples taken? no

were cuttings caught during drilling? no

electrical, mechanical, geophysical logs? yes.

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	
10/26/2010	10585 - 10707		6,857.00	7,794.00	5 Min: 4480	
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 4245	
79.00	8,311.00	5,474.00			15 Min: 4040	
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
207,700.00	6,172.00		2,000.00			

Stage	Formation	Frac Type				
2	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
10/28/2010	10435 - 10557		5,605.00	7,646.00	5 Min: 3940	
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 3493	
91.00	7,929.00	5,082.00			15 Min: 3214	
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
210,314.00	5,988.00		2,000.00			

Stage	Formation	Frac Type				
3	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
10/28/2010	10285 - 10407		5,147.00	7,739.00	5 Min: 3550	
Avg Rate	Max Press PSI	ISIP	Frac Gradient		10 Min: 3240	
99.00	8,543.00	4,891.00			15 Min: 2998	
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
204,800.00	5,795.00		2,000.00			

EQT WR-35		Completion	Attachment	Well	Treatment	Summary
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
4	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
10/28/2010	10135 - 10257		5,757.00	7,659.00	5 Min: 4295	
					10 Min: 3775	
					15 Min: 3430	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>			
97.70	8,488.00	5,137.00				
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
205,365.00	5,998.00		2,000.00			
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
5	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
10/28/2010	9985 - 10107		5,693.00	7,251.00	5 Min: 3545	
					10 Min: 3250	
					15 Min: 3070	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>			
100.20	7,659.00	4,776.00				
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
218,553.00	5,799.00		2,000.00			
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
6	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
10/28/2010	9835 - 9957		5,795.00	7,097.00	5 Min: 3768	
					10 Min: 3467	
					15 Min: 3236	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>			
96.10	7,560.00	4,640.00				
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
207,092.00	5,680.00		2,000.00			

EQT WR-35		Completion	Attachment	Well	Treatment	Summary
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
7	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
10/29/2010	9685 - 9807		5,308.00	7,310.00	5 Min: 4231	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		10 Min: 3850	
100.20	7,878.00	5,119.00			15 Min: 3625	
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
203,818.00	5,858.00		2,000.00			
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
8	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
10/29/2010	9535 - 9657		5,386.00	7,867.00	5 Min: 4118	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		10 Min: 3740	
93.00	8,613.00	5,042.00			15 Min: 3485	
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
204,457.00	5,952.00		2,000.00			
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
9	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
10/30/2010	9385 - 9507		5,545.00	8,130.00	5 Min: 3787	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		10 Min: 3571	
93.00	9,072.00	4,924.00			15 Min: 3431	
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
205,409.00	5,616.00		2,000.00			

EQT WR-35		Completion	Attachment	Well	Treatment	Summary
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
10	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
10/30/2010	9235 - 9357		5,595.00	7,825.00	5 Min: 3793	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		10 Min: 3411	
90.80	8,495.00	4,908.00			15 Min: 3204	
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
198,643.00	5,347.00		2,000.00			
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
11	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
10/30/2010	9085 - 9207		6,326.00	7,398.00	5 Min: 4050	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		10 Min: 3622	
90.50	8,294.00	5,402.00			15 Min: 3345	
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
194,300.00	5,679.00		2,000.00			
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
12	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
10/30/2010	8935 - 9057		5,606.00	7,568.00	5 Min: 3645	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		10 Min: 3255	
92.00	8,520.00	4,577.00			15 Min: 3109	
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
204,700.00	5,375.00		2,000.00			

EQT WR-35		Completion	Attachment	Well	Treatment	Summary
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
13	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
10/31/2010	8785 - 8907		5,749.00	7,405.00	5 Min: 4109	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		10 Min: 3626	
98.00	7,907.00	5,242.00			15 Min: 3312	
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
203,381.00	5,493.00					
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
14	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
10/31/2010	8635 - 8757		6,702.00	8,197.00	5 Min: 5020	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		10 Min: 4841	
55.00	9,215.00	6,514.00			15 Min: 4650	
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
2,130.00	4,395.00		2,000.00			
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
15	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
10/31/2010	8484 - 8607		5,821.00	7,376.00	5 Min: 3526	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		10 Min: 3210	
95.00	7,980.00	4,477.00			15 Min: 3072	
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
202,793.00	5,427.00		2,000.00			

EQT WR-35		Completion	Attachment	Well	Treatment	Summary
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
16	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
11/1/2010	8335 - 8457		5,476.00	7,805.00	5 Min: 3559	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		10 Min: 3170	
97.00	8,612.00	4,578.00			15 Min: 3067	
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
205,382.00	5,744.00		2,000.00			
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
17	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
11/1/2010	8185 - 8307		6,583.00	7,709.00	5 Min: 3700	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		10 Min: 3271	
92.00	8,603.00	5,106.00			15 Min: 3145	
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
205,499.00	6,023.00		2,000.00			
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>				
18	MARCELLUS	Slickwater				
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>	
11/1/2010	8035 - 8157		5,384.00	7,217.00	5 Min: 3651	
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		10 Min: 3318	
95.00	7,925.00	4,746.00			15 Min: 3111	
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>			
208,126.00	5,263.00		2,000.00			



EQT WR-35	Completion	Attachment	Well	Treatment	Summary
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>			
19	MARCELLUS	Slickwater			
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>
11/2/2010	7885 - 8007		5,642.00	7,176.00	5 Min: 3632
					10 Min: 3283
					15 Min: 3135
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		
101.00	7,852.00	4,760.00			
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>		
202,844.00	5,304.00		2,000.00		
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>			
20	MARCELLUS	Slickwater			
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>
11/2/2010	7735 - 7857		5,775.00	7,686.00	5 Min: 4115
					10 Min: 3551
					15 Min: 3240
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		
98.00	8,301.00	5,247.00			
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>		
208,897.00	5,611.00		2,000.00		
<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>			
21	MARCELLUS	Slickwater			
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>
11/2/2010	7585 - 7707		5,384.00	7,168.00	5 Min: 3637
					10 Min: 3220
					15 Min: 3071
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		
99.00	7,701.00	4,512.00			
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>		
198,500.00	6,294.00		2,000.00		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
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<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>			
22	MARCELLUS	Slickwater			
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>
11/2/2010	7435 - 7557		6,095.00	7,104.00	5 Min: 4092
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		10 Min: 3399
102.00	7,471.00	5,038.00			15 Min: 3150
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>		
207,890.00	5,310.00		2,000.00		

<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>			
23	MARCELLUS	Slickwater			
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>
11/2/2010	7285 - 7407		6,326.00	7,178.00	5 Min: 4351
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		10 Min: 3700
88.00	8,721.00	5,259.00			15 Min: 3400
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>		
209,276.00	5,958.00		2,000.00		

<b>Stage</b>	<b>Formation</b>	<b>Frac Type</b>			
24	MARCELLUS	Slickwater			
<b>Date</b>	<b>From / To</b>	<b># of perfs</b>	<b>BD Press</b>	<b>ATP Psi</b>	<b>SIP Detail</b>
11/3/2010	7135 - 7257		6,209.00	6,654.00	5 Min: 3621
<b>Avg Rate</b>	<b>Max Press PSI</b>	<b>ISIP</b>	<b>Frac Gradient</b>		10 Min: 3133
97.00	7,310.00	4,889.00			15 Min: 2954
<b>Sand Proppant</b>	<b>Water-bbl</b>	<b>SCF N2</b>	<b>Acid-Gal</b>		
215,205.00	5,610.00		2,000.00		