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WR-35  
Rev (9-11)

State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas  
Well Operator's Report of Well Work

DATE: 10/21/2013  
API #: 47-10302853

Farm name: Coastal Lumber Company Operator Well No.: 514570

LOCATION: Elevation: 1452 Quadrangle: Big Run 7.5'

District: Grant County: Wetzel, WV  
Latitude: 6141 Feet South of 39 Deg. 32 Min. 30 Sec.  
Longitude 2401 Feet West of 80 Deg. 35 Min. 00 Sec.

Company: EQT Production Company

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
EQT Plaza, Suite 1700 625 Liberty Avenue, Pittsburgh, PA 15222	26"	40	40	57.82
Agent: Rex C. Ray	13-3/8"	1010	1010	1079.33
Inspector: <b>Derek Haught</b>	9-5/8"	2732	2732	1210.23
Date Permit Issued: 2/11/2013	5-1/2"	11776	11776	2032.63
Date Well Work Commenced: 4/23/2013				
Date Well Work Completed: 10/18/2013				
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input checked="" type="checkbox"/>				
Total Vertical Depth (ft): 7512				
Total Measured Depth (ft): 11780				
Fresh Water Depth (ft.): 756'				
Salt Water Depth (ft.): 2260'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 853', 922', 1012', 1261', 1336'				
Void(s) encountered (N/Y) Depth(s) N				

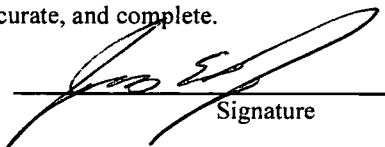
OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Geneseo Pay zone depth (ft) 7,478  
Gas: Initial open flow 2,736 MCF/d Oil: Initial open flow NA Bbl/d  
Final open flow 5,328 MCF/d Final open flow NA Bbl/d  
Time of open flow between initial and final tests 90.5 Hours  
Static rock Pressure 952 psig (surface pressure) after 93.5 Hours

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

*[Handwritten signatures and dates]*  
06/27/2014  
06/27/2014

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

  
Signature

4/28/2014  
Date

06/27/2017

103-02853

Were core samples taken? Yes \_\_\_\_\_ No X

Were cuttings caught during drilling? Yes X No \_\_\_\_\_

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Gyro, Gamma, & CBL

**NOTE: IN THE AREA BELOW 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 THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.**

Perforated Intervals, Fracturing, or Stimulating:

Amended Report with FB Data

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Plug Back Details Including Plug Type and Depth(s):

\_\_\_\_\_  
\_\_\_\_\_

Formations Encountered: \_\_\_\_\_ Top Depth \_\_\_\_\_ / \_\_\_\_\_ Bottom Depth \_\_\_\_\_  
Surface:

Sand/Shale 0/853/853	
Coal 853/854/1	Benson 5639/5963/324
Sand/Shale 854/922/68	Alexander 5963/7170/1207
Coal 922/923/1	Rhinestreet 7170/7178/8
Sand/Shale 923/1012/89	Sonyea 7178/7343/165
Coal 1012/1014/2	Middlesex 7343/7392/49
Sand/Shale 1014/1261/247	Genesee 7392/7478/86
Coal 1261/1274/13	Geneseo 7478/7512/34
Sand/Shale 1274/1336/62	
Coal 1336/1340/4	
Sand/Shale 1340/2875/1535	
Weir 2875/3323/448	
Fourth 3323/3967/644	
Warren 3967/4117/150	
Speechley 4117/5639/1522	

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**514570 - Perforations**

<b>Zone/Stage</b>	<b>Date</b>	<b>Top Plug Depth (ftKB)</b>	<b>Bottom Plug Depth (ftKB)</b>	<b>Top Perf Depth (ftKB)</b>	<b>Bottom Perf Depth (ftKB)</b>	<b>Shots/ft</b>
<b>Toe Pop</b>	11/11/13 14:25	11,615.00	NA	11,750.00	11,752.00	NA
<b>1</b>	11/11/13 19:40	11,615.00	NA	11,631.00	11,721.00	4
<b>2</b>	11/11/13 23:38	11,479.00	11,615.00	11,479.00	11,601.00	4
<b>3</b>	11/12/13 4:06	11,329.00	11,465.00	11,329.00	11,451.00	4
<b>4</b>	11/12/13 10:44	11,165.00	11,315.00	11,179.00	11,301.00	4
<b>5</b>	11/12/13 22:39	11,015.00	11,165.00	11,029.00	11,147.00	4
<b>6</b>	11/13/13 3:00	10,865.00	11,010.00	10,879.00	11,010.00	4
<b>7</b>	11/13/13 9:50	10,715.00	10,865.00	10,729.00	10,851.00	4
<b>8</b>	11/13/13 14:35	10,565.00	10,715.00	10,579.00	10,701.00	4
<b>9</b>	11/13/13 19:29	10,415.00	10,565.00	10,429.00	10,551.00	4
<b>10</b>	11/14/13 0:12	10,265.00	10,415.00	10,279.00	10,401.00	4
<b>11</b>	11/14/13 4:32	10,115.00	10,265.00	10,129.00	10,251.00	4
<b>12</b>	11/14/13 9:41	9,960.00	10,115.00	9,979.00	10,101.00	4
<b>13</b>	11/14/13 15:50	9,815.00	9,960.00	9,829.00	9,946.00	4
<b>14</b>	11/14/13 21:39	9,665.00	9,815.00	9,679.00	9,801.00	4
<b>15</b>	11/15/13 1:52	9,515.00	9,665.00	9,529.00	9,651.00	4
<b>16</b>	11/15/13 6:21	9,365.00	9,515.00	9,379.00	9,501.00	4
<b>17</b>	11/15/13 11:36	9,215.00	9,365.00	9,229.00	9,351.00	4
<b>18</b>	11/15/13 16:13	9,065.00	9,215.00	9,079.00	9,201.00	4
<b>19</b>	11/15/13 21:15	8,915.00	9,065.00	8,929.00	9,051.00	4
<b>20</b>	11/16/13 1:00	8,765.00	8,915.00	8,779.00	8,902.00	4
<b>21</b>	11/16/13 5:13	8,615.00	8,765.00	8,629.00	8,751.00	4
<b>22</b>	11/16/13 9:44	8,465.00	8,615.00	8,479.00	8,601.00	4
<b>23</b>	11/16/13 13:47	8,315.00	8,465.00	8,329.00	8,451.00	4
<b>24</b>	11/16/13 17:43	8,165.00	8,315.00	8,179.00	8,301.00	4
<b>25</b>	11/16/13 21:00	8,015.00	8,165.00	8,029.00	8,146.00	4
<b>26</b>	11/17/13 1:18	NA	8,015.00	7,879.00	8,001.00	4

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514570 - Stimulated Stages

Zone/Stage	P Break (psi)	Avg Treat Pressure (psi)	Avg rate (bbl/min)	ISIP (psi)	Frac Gradient (psi/ft)	15 Min. SIP (psi)	Fluid Volume (bbl)	Start Date	End Date	Proppant (lb)
Toe Pop	NA	6,995.00	12.2	NA	NA	NA	802	11/11/2013 13:15	11/11/2013 15:58	NA
1	6,934.00	8,315.00	82.5	3,253.00	0.87	2,614.00	5,378	11/11/2013 20:05	11/11/2013 21:34	202,318
2	6,965.00	8,177.00	88.2	3,354.00	0.88	2,798.00	5,406	11/12/2013 0:57	11/12/2013 2:20	201,866
3	7,361.00	8,097.00	86.5	3,722.00	0.93	0.00	5,666	11/12/2013 5:44	11/12/2013 8:34	161,298
4	7,788.00	7,722.00	92.2	3,357.00	0.88	2,998.00	5,894	11/12/2013 19:25	11/12/2013 20:54	202,379
5	7,385.00	8,297.00	85.4	3,424.00	0.89	3,009.00	5,558	11/13/2013 0:52	11/13/2013 2:19	201,624
6	7,413.00	7,859.00	94.7	3,221.00	0.86	2,871.00	5,363	11/13/2013 6:46	11/13/2013 8:12	202,756
7	7,579.00	8,014.00	97.2	3,562.00	0.91	2,988.00	5,340	11/13/2013 11:35	11/13/2013 12:55	202,721
8	5,092.00	7,707.00	96.2	3,320.00	0.88	2,987.00	5,284	11/13/2013 16:14	11/13/2013 17:40	200,830
9	5,693.00	7,878.00	92.2	3,349.00	0.88	2,975.00	5,168	11/13/2013 21:02	11/13/2013 22:23	202,225
10	7,170.00	7,585.00	91.8	3,256.00	0.87	2,886.00	5,177	11/14/2013 1:39	11/14/2013 2:59	202,850
11	6,893.00	7,786.00	96.3	3,272.00	0.87	2,973.00	5,247	11/14/2013 6:39	11/14/2013 8:02	203,551
12	7,864.00	7,654.00	98.2	3,520.00	0.9	2,971.00	5,301	11/14/2013 11:51	11/14/2013 14:16	200,716
13	7,815.00	7,918.00	95.1	3,679.00	0.92	2,900.00	5,277	11/14/2013 18:33	11/14/2013 19:47	201,934
14	7,001.00	8,073.00	92.4	3,888.00	0.95	2,965.00	5,142	11/14/2013 22:57	11/15/2013 0:13	202,427
15	6,821.00	7,669.00	82.5	3,536.00	0.91	2,906.00	5,050	11/15/2013 3:20	11/15/2013 4:37	200,106
16	4,049.00	7,565.00	98.9	3,531.00	0.9	2,887.00	5,234	11/15/2013 8:39	11/15/2013 9:54	206,045
17	7,117.00	7,880.00	96.1	3,625.00	0.92	2,875.00	5,255	11/15/2013 13:22	11/15/2013 14:40	202,122
18	6,670.00	7,840.00	97.8	3,707.00	0.93	2,958.00	5,073	11/15/2013 18:22	11/15/2013 19:35	201,968
19	6,977.00	7,760.00	93.5	3,600.00	0.91	2,954.00	5,004	11/15/2013 22:19	11/15/2013 23:34	202,802
20	4,468.00	7,806.00	93.6	3,821.00	0.94	3,024.00	5,017	11/16/2013 2:23	11/16/2013 3:43	201,956
21	6,561.00	7,600.00	97.7	3,602.00	0.91	2,988.00	5,060	11/16/2013 7:04	11/16/2013 8:16	199,398
22	6,703.00	7,483.00	93.6	3,598.00	0.91	2,944.00	5,000	11/16/2013 11:08	11/16/2013 12:22	200,919
23	6,848.00	7,337.00	98.6	3,620.00	0.92	2,941.00	4,910	11/16/2013 15:08	11/16/2013 16:19	200,921
24	6,968.00	7,656.00	97.4	3,701.00	0.93	3,055.00	5,013	11/16/2013 18:56	11/16/2013 20:08	196,422
25	7,090.00	7,556.00	96.1	3,646.00	0.92	2,990.00	5,048	11/16/2013 22:43	11/16/2013 23:52	200,082
26	6,612.00	7,455.00	95.3	3,609.00	0.92	2,990.00	5,181	11/17/2013 2:23	11/17/2013 3:52	200,409

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