

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: 9/11/2013
API #: 47-10302850

Farm name: Coastal Lumber Company Operator Well No.: 514422

LOCATION: Elevation: 1452 Quadrangle: Big Run 7.5'

District: Grant County: Wetzel, WV
Latitude: 6200 Feet South of 39 Deg. 32 Min. 30 Sec.
Longitude 2389 Feet West of 80 Deg. 35 Min. 00 Sec.

Company: EQT Production Company

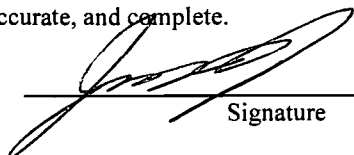
Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
EQT Plaza, Suite 1700				
625 Liberty Avenue, Pittsburgh, PA 15222	26"	40	40	57.8
Agent: Rex C. Ray	13-3/8"	1025	1025	885
Inspector: Derek Haught	9-5/8"	3713	3713	1712.5
Date Permit Issued: February 11th, 2013	5-1/2"	12009	12009	2094.4
Date Well Work Commenced: April 23rd, 2013				
Date Well Work Completed: September 10th 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): 7648				
Total Measured Depth (ft): 12025				
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 Marcellus Pay zone depth (ft) 7.612
Gas: Initial open flow 2,832 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 11,040 MCF/d Final open flow 3.6 Bbl/d
Time of open flow between initial and final tests 72 Hours
Static rock Pressure 2,830 psig (surface pressure) after 75.5 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

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

4/30/2014
Date

06/27/2017

103-02850

514422 - Perforations

Zone/Stage	Date	Top Plug Depth (ftKB)	Bottom Plug Depth (ftKB)	Top Perf Depth (ftKB)	Bottom Perf Depth (ftKB)	Shots/ft
Toe Pop	12/1/13 23:04	11,847.00	NA	11,982.00	11,984.00	NA
1	12/2/13 2:28	11,847.00	NA	11,861.00	11,953.00	4
2	12/2/13 7:13	11,697.00	11,847.00	11,711.00	11,833.00	4
3	12/2/13 13:00	11,547.00	11,697.00	11,561.00	11,683.00	4
4	12/2/13 19:32	11,397.00	11,547.00	11,411.00	11,533.00	4
5	12/3/13 0:01	11,247.00	11,397.00	11,261.00	11,383.00	4
6	12/3/13 4:50	11,097.00	11,247.00	11,111.00	11,233.00	4
7	12/3/13 9:28	10,947.00	11,097.00	10,961.00	11,083.00	4
8	12/3/13 15:13	10,797.00	10,947.00	10,811.00	10,933.00	4
9	12/3/13 20:58	10,647.00	10,797.00	10,661.00	10,783.00	4
10	12/4/13 1:30	10,497.00	10,647.00	10,511.00	10,633.00	4
11	12/4/13 7:02	10,347.00	10,492.00	10,361.00	10,476.00	4
12	12/5/13 2:44	10,197.00	10,347.00	10,211.00	10,333.00	4
13	12/5/13 7:31	10,047.00	10,197.00	10,061.00	10,183.00	4
14	12/5/13 17:32	9,897.00	10,047.00	9,911.00	10,031.00	4
15	12/5/13 21:35	9,747.00	9,897.00	9,761.00	9,879.00	4
16	12/6/13 2:45	9,597.00	9,747.00	9,611.00	9,733.00	4
17	12/6/13 7:57	9,447.00	9,597.00	9,461.00	9,583.00	4
18	12/6/13 12:29	9,297.00	9,447.00	9,311.00	9,433.00	4
19	12/6/13 15:00	9,147.00	9,297.00	9,161.00	9,283.00	4
20	12/7/13 0:57	8,997.00	9,147.00	9,011.00	9,133.00	4
21	12/7/13 5:40	8,847.00	8,997.00	8,861.00	8,983.00	4
22	12/7/13 18:13	8,697.00	8,847.00	8,711.00	8,833.00	4
23	12/7/13 18:40	NA	8,697.00	8,561.00	8,683.00	4

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514422 - 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	9,141.00	14.0	NA	NA	NA	1,104	12/1/2013 23:04	12/2/2013 0:25	NA
1	8,544.00	7,962.00	80.4	4,000.00	0.96	3,059.00	6,118	12/2/2013 4:47	12/2/2013 6:42	199,557
2	6,649.00	8,409.00	94.2	4,900.00	1.08	3,089.00	5,035	12/2/2013 11:02	12/2/2013 12:39	200,800
3	6,490.00	8,437.00	92.7	4,916.00	1.08	3,328.00	4,821	12/2/2013 16:02	12/2/2013 17:35	199,812
4	6,181.00	8,245.00	96.1	5,194.00	1.11	3,313.00	5,349	12/2/2013 21:07	12/2/2013 22:42	198,956
5	6,210.00	8,017.00	96.0	4,686.00	1.05	3,406.00	5,008	12/3/2013 1:47	12/3/2013 3:17	200,848
6	7,315.00	8,140.00	97.6	4,988.00	1.09	3,330.00	5,105	12/3/2013 7:25	12/3/2013 8:43	201,228
7	6,080.00	8,381.00	100.4	5,249.00	1.12	3,520.00	5,137	12/3/2013 12:16	12/3/2013 13:30	201,775
8	6,320.00	8,106.00	100.5	5,339.00	1.13	3,546.00	5,097	12/3/2013 16:48	12/3/2013 18:21	198,646
9	5,943.00	7,762.00	97.1	5,500.00	1.15	3,548.00	5,054	12/3/2013 23:05	12/3/2013 0:19	203,541
10	5,888.00	7,741.00	95.6	4,988.00	1.09	3,531.00	5,144	12/4/2013 4:00	12/4/2013 5:15	201,780
11	5,822.00	8,228.00	99.3	5,902.00	1.21	4,021.00	5,093	12/5/2013 23:21	12/5/2013 0:34	201,538
12	5,523.00	7,723.00	100.5	4,795.00	1.06	3,360.00	4,983	12/5/2013 4:37	12/5/2013 5:48	201,403
13	5,852.00	7,772.00	98.5	5,316.00	1.13	3,736.00	4,986	12/5/2013 14:50	12/5/2013 16:17	195,514
14	5,648.00	7,724.00	99.5	5,416.00	1.14	3,823.00	5,029	12/5/2013 19:02	12/5/2013 20:13	195,617
15	5,704.00	7,746.00	100.7	5,599.00	1.17	3,947.00	5,052	12/5/2013 0:13	12/5/2013 1:23	201,353
16	7,200.00	8,114.00	93.0	5,099.00	1.1	3,687.00	5,098	12/6/2013 4:57	12/6/2013 6:30	203,287
17	6,331.00	7,750.00	100.9	5,168.00	1.11	3,639.00	4,918	12/6/2013 9:50	12/6/2013 11:11	200,639
18	5,745.00	7,424.00	97.2	5,328.00	1.13	3,929.00	4,805	12/6/2013 13:49	12/6/2013 15:14	198,785
19	6,674.00	7,703.00	99.7	5,604.00	1.17	3,936.00	5,512	12/6/2013 22:23	12/6/2013 23:28	200,891
20	5,869.00	7,529.00	95.6	5,637.00	1.17	3,794.00	5,339	12/7/2013 2:41	12/7/2013 4:01	200,811
21	6,082.00	7,482.00	100.7	5,519.00	1.16	3,975.00	4,875	12/7/2013 15:22	12/7/2013 16:54	202,375
22	6,089.00	7,375.00	100.0	6,109.00	1.23	4,571.00	4,956	12/7/2013 19:48	12/7/2013 21:01	198,972
23	6,491.00	7,515.00	99.0	4,843.00	1.07	3,204.00	4,982	12/7/2013 23:40	12/8/2013 0:54	200,802