

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: 3/26/2013
API #: 47-103-02730

Farm name: Coastal Lumber Company Operator Well No.: 513507

LOCATION: Elevation: 1,472 Quadrangle: Big Run

District: Grant County: Wetzel, WV
Latitude: 11.300 Feet South of 39 Deg. 35 Min. 00 Sec.
Longitude 8.335 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	58
Agent: Cecil Ray	13 3/8	834	834	840
Inspector: Derek Haught	9 5/8	3,471	3,471	1,353
Date Permit Issued: 3/12/2012	5 1/2	14,954	14,954	2,310
Date Well Work Commenced: 5/18/2012				
Date Well Work Completed: 1/6/2013				
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): 7,615' (Plugged back to 6,337')				
Total Measured Depth (ft): 14,963'				
Fresh Water Depth (ft.): 536', 541, 750'				
Salt Water Depth (ft.): 2,520'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 430', 1,200', 1,219'				
Void(s) encountered (N/Y) Depth(s) No				

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

Producing formation Marcellus Pay zone depth (ft) 7,539
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 12,000 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 3,277 psig (surface pressure) after 74.5 Hours

Second producing formation No second 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

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WV Dept. of Environmental Protection

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

3/26/2013
Date

07/26/2013

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, Open Hole, CBL & MWD Gamma Logs

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:

See Attachment

Plug Back Details Including Plug Type and Depth(s): **Pumped solid cement plug from 7,615' to 6,469'. The cement did not properly set. Washed/reamed to 6,885' and a second cement plug was pumped from 6,885' to 6,337'.**

Formations Encountered: _____ Top Depth _____ / _____ Bottom Depth
Surface: _____

Sand & Shale / 0 / 430 / 430 -- Mapletown Coal / 430/ 434/ 4 -- Shale / 434 / 1,200 / 766 --

Pittsburgh Coal / 1,200 / 1,209 / 9 -- Red Rock / 1,209 / 1,219 / 10 / -- Coal / 1,219 / 1,228 / 9 --

Sand & Shale / 1,228 / 2,262 / 1,034 -- Maxton / 2,262 / 2,418 / 155 -- Big Lime / 2,418 / 2,547 / 129

Big Injun / 2,547 / 2,824 / 277 -- Weir / 2,824 / 2,991 / 167 -- Gantz / 2,991 / 3,026 / 34

50f / 3,026 / 3,121 / 95 -- 30f / 3,121 / 3,188 / 66 -- Gordon / 3,188 / 3,267 / 79

4th / 3,267 / 3,879 / 612 -- Warren / 3,879 / 4,077 / 197 -- Speechley / 4,077 / 4,447 / 370

Balltown A / 4,447 / 4,905 / 457 -- Riley / 4,905 / 5,548 / 643 -- Benson / 5,548 / 5,923 / 374 --

Alexander / 5,923 / 7,319 / 1,396 -- Genesee / 7,319 / 7,394 / 75 -- Geneseo / 7,394 / 7,428 / 33

Tully / 7,428 / 7,444 / 15 -- Hamilton / 7,444 / 7,539 / 95 -- Marcellus / 7,539 / 7,590 / 51 --

Onondaga / 7,590 / 7,615 / 25

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EQT WR-35	Completion	Attachment	Well 513507	Treatment	Summary
Stage 1	Formation MARCELLUS	Frac Type Slickwater			
Date 12/13/2012	From / To 14789 - 14881	# of perfs	BD Press 6,030.00	ATP Psi 8,380.00	SIP Detail 5 Min: 3307 10 Min: 3117 15 Min: 3030
Avg Rate 85.99	Max Press PSI 8,666.00	ISIP 4,207.00	Frac Gradient 0.98		
Sand Proppant 200,090.00	Water-bbl 6,853.00	SCF N2	Acid-Gal 3,000.00		
Stage 2	Formation MARCELLUS	Frac Type Slickwater			
Date 12/13/2012	From / To 14639 - 14761	# of perfs	BD Press 5,910.00	ATP Psi 8,183.00	SIP Detail 5 Min: 3608 10 Min: 3315 15 Min: 3173
Avg Rate 90.80	Max Press PSI 8,753.00	ISIP 4,931.00	Frac 1.08		
Sand 200,303.00	Water-bbl 5,990.00	SCF N2	Acid-Gal 750.00		
Stage 3	Formation MARCELLUS	Frac Type Slickwater			
Date 12/13/2012	From / To 14489 - 14611	# of perfs	BD Press 5,842.00	ATP Psi 8,353.00	SIP Detail 5 Min: 3618 10 Min: 3331 15 Min: 3188
Avg Rate 92.60	Max Press PSI 8,604.00	ISIP 4,810.00	Frac 1.06		
Sand 201,310.00	Water-bbl 4,523.00	SCF N2	Acid-Gal 750.00		
Stage 4	Formation MARCELLUS	Frac Type Slickwater			
Date 12/13/2012	From / To 14339 - 14461	# of perfs	BD Press 5,914.00	ATP Psi 8,326.00	SIP Detail 5 Min: 4046 10 Min: 3685 15 Min: 3494
Avg Rate 87.20	Max Press PSI 8,774.00	ISIP 5,239.00	Frac 1.12		
Sand 198,710.00	Water-bbl 5,094.00	SCF N2	Acid-Gal 750.00		

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Stage	Formation	Frac Type				
5	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
12/14/2012	14189 - 14311		6,227.00	8,305.00	5 Min: 3710 10 Min: 3407 15 Min: 3270	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
90.50	8,485.00	4,897.00	1.08			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
199,820.00	5,689.00		750.00			

Stage	Formation	Frac Type				
6	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
12/14/2012	14039 - 14161		5,878.00	8,216.00	5 Min: 3680 10 Min: 3383 15 Min: 3236	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
92.80	8,531.00	4,693.00	1.05			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
200,340.00	5,411.00		750.00			

Stage	Formation	Frac Type				
7	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
12/14/2012	13889 - 14011		6,115.00	8,320.00	5 Min: 4015 10 Min: 3634 15 Min: 3439	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
93.00	9,050.00	4,945.00	1.08			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
200,640.00	5,673.00		500.00			

Stage	Formation	Frac Type				
8	MARCELLUS	Slickwater				
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail	
12/14/2012	1386 - 13739		5,814.00	8,277.00	5 Min: 4624 10 Min: 4096 15 Min: 3757	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
92.70	8,590.00	5,768.00	1.19			
Sand Proppant	Water-bbl	SCF N2	Acid-Gal			
193,530.00	5,600.00		500.00			

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Stage 9	Formation MARCELLUS	Frac Type Slickwater				
Date 12/15/2012	From / To 13589 - 13711	# of perfs	BD Press 6,288.00	ATP Psi 8,237.00	SIP Detail 5 Min: 3435 10 Min: 3143 15 Min: 3074	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
81.50	8,582.00	4,846.00	1.07			
Sand Proppant 199,940.00	Water-bbl 5,123.00	SCF N2	Acid-Gal 500.00			
Stage 10	Formation MARCELLUS	Frac Type Slickwater				
Date 12/15/2012	From / To 13439 - 13561	# of perfs	BD Press 6,902.00	ATP Psi 8,253.00	SIP Detail 5 Min: 3850 10 Min: 3737 15 Min: 3269	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
91.50	8,867.00	5,238.00	1.12			
Sand Proppant 198,940.00	Water-bbl 5,320.00	SCF N2	Acid-Gal 500.00			
Stage 11	Formation MARCELLUS	Frac Type Slickwater				
Date 12/15/2012	From / To 13289 - 13411	# of perfs	BD Press 5,781.00	ATP Psi 8,337.00	SIP Detail 5 Min: 3996 10 Min: 3575 15 Min: 3426	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
95.70	8,747.00	5,355.00	1.14			
Sand Proppant 198,700.00	Water-bbl 5,337.00	SCF N2	Acid-Gal 500.00			
Stage 12	Formation MARCELLUS	Frac Type Slickwater				
Date 12/15/2012	From / To 13139 - 13261	# of perfs	BD Press 6,117.00	ATP Psi 8,137.00	SIP Detail 5 Min: 3632 10 Min: 3356 15 Min: 3226	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
92.80	8,534.00	4,440.00	1.02			
Sand Proppant 200,430.00	Water-bbl 5,615.00	SCF N2	Acid-Gal 500.00			

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Stage 13	Formation MARCELLUS	Frac Type Slickwater				
Date 12/15/2012	From / To 12989 - 13111	# of perfs	BD Press 6,372.00	ATP Psi 8,558.00	SIP Detail 5 Min: 3741 10 Min: 3480 15 Min: 3219	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
83.30	8,878.00	5,006.00	1.09			
Sand Proppant 153,656.00	Water-bbl 5,696.00	SCF N2	Acid-Gal 500.00			

Stage 14	Formation MARCELLUS	Frac Type Slickwater				
Date 12/16/2012	From / To 12839 - 12961	# of perfs	BD Press 6,017.00	ATP Psi 8,188.00	SIP Detail 5 Min: 3641 10 Min: 3390 15 Min: 3265	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
96.30	8,499.00	4,473.00	1.02			
Sand Proppant 198,408.00	Water-bbl 5,273.00	SCF N2	Acid-Gal 500.00			

Stage 15	Formation MARCELLUS	Frac Type Slickwater				
Date 12/16/2012	From / To 12689 - 12811	# of perfs	BD Press 6,190.00	ATP Psi 8,147.00	SIP Detail 5 Min: 4187 10 Min: 3752 15 Min: 3521	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
99.00	8,391.00	5,263.00	1.12			
Sand Proppant 199,440.00	Water-bbl 5,642.00	SCF N2	Acid-Gal 500.00			

Stage 16	Formation MARCELLUS	Frac Type Slickwater				
Date 12/16/2012	From / To 12589 - 12661	# of perfs	BD Press 5,719.00	ATP Psi 7,977.00	SIP Detail 5 Min: 4467 10 Min: 4008 15 Min: 3739	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
91.80	8,712.00	5,636.00	1.17			
Sand Proppant 200,520.00	Water-bbl 5,569.00	SCF N2	Acid-Gal 500.00			

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Stage 17	Formation MARCELLUS	Frac Type Slickwater				
Date 12/16/2012	From / To 12389 - 12511	# of perfs	BD Press 5,858.00	ATP Psi 8,452.00	SIP Detail 5 Min: 4535 10 Min: 4070 15 Min: 3827	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
100.20	8,549.00	6,161.00	1.24			
Sand Proppant 201,650.00	Water-bbl 5,428.00	SCF N2	Acid-Gal 500.00			

Stage 18	Formation MARCELLUS	Frac Type Slickwater				
Date 12/16/2012	From / To 12239 - 12361	# of perfs	BD Press 5,811.00	ATP Psi 7,999.00	SIP Detail 5 Min: 3736 10 Min: 3462 15 Min: 3324	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
97.01	8,205.00	4,987.00	1.09			
Sand Proppant 200,180.00	Water-bbl 5,352.00	SCF N2	Acid-Gal 500.00			

Stage 19	Formation MARCELLUS	Frac Type Slickwater				
Date 12/17/2012	From / To 12089 - 12211	# of perfs	BD Press 5,552.00	ATP Psi 7,954.00	SIP Detail 5 Min: 4645 10 Min: 4255 15 Min: 3824	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
98.93	8,327.00	5,545.00	1.16			
Sand Proppant 195,270.00	Water-bbl 5,269.00	SCF N2	Acid-Gal 500.00			

Stage 20	Formation MARCELLUS	Frac Type Slickwater				
Date 12/17/2012	From / To 11939 - 12061	# of perfs	BD Press 5,911.00	ATP Psi 7,897.00	SIP Detail 5 Min: 4458 10 Min: 4010 15 Min: 3779	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
99.30	8,239.00	5,454.00	1.15			
Sand Proppant 202,250.00	Water-bbl 5,341.00	SCF N2	Acid-Gal 500.00			

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Stage 21	Formation MARCELLUS	Frac Type Slickwater				
Date 12/17/2012	From / To 11789 - 11911	# of perfs	BD Press 5,923.00	ATP Psi 8,079.00	SIP Detail 5 Min: 4491 10 Min: 4073 15 Min: 3835	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
99.60	8,389.00	5,410.00	1.14			
Sand Proppant 200,100.00	Water-bbl 5,313.00	SCF N2	Acid-Gal 500.00			

Stage 22	Formation MARCELLUS	Frac Type Slickwater				
Date 12/17/2012	From / To 11639 - 11761	# of perfs	BD Press 5,956.00	ATP Psi 7,881.00	SIP Detail 5 Min: 3941 10 Min: 3644 15 Min: 3414	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
99.60	8,165.00	4,929.00	1.08			
Sand Proppant 201,340.00	Water-bbl 5,412.00	SCF N2	Acid-Gal 500.00			

Stage 23	Formation MARCELLUS	Frac Type Slickwater				
Date 12/17/2012	From / To 11487 - 11611	# of perfs	BD Press 5,880.00	ATP Psi 7,891.00	SIP Detail 5 Min: 4258 10 Min: 3924 15 Min: 3721	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
98.90	8,175.00	5,330.00	1.13			
Sand Proppant 200,991.00	Water-bbl 5,273.00	SCF N2	Acid-Gal 500.00			

Stage 24	Formation MARCELLUS	Frac Type Slickwater				
Date 12/18/2012	From / To 11339 - 11461	# of perfs	BD Press 6,589.00	ATP Psi 8,090.00	SIP Detail 5 Min: 4531 10 Min: 4208 15 Min: 4005	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
95.10	8,621.00	5,479.00	1.15			
Sand Proppant 199,143.00	Water-bbl 5,289.00	SCF N2	Acid-Gal 500.00			

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Stage 25	Formation MARCELLUS	Frac Type Slickwater				
Date 12/18/2012	From / To 11189 - 11311	# of perfs	BD Press 5,846.00	ATP Psi 7,940.00	SIP Detail 5 Min: 4147 10 Min: 3854 15 Min: 3677	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
99.70	8,275.00	4,896.00	1.08			
Sand Proppant 197,968.00	Water-bbl 5,280.00	SCF N2	Acid-Gal 500.00			
Stage 26	Formation MARCELLUS	Frac Type Slickwater				
Date 12/18/2012	From / To 11039 - 11161	# of perfs	BD Press 6,387.00	ATP Psi 7,997.00	SIP Detail 5 Min: 4371 10 Min: 4050 15 Min: 3869	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
99.10	8,281.00	5,322.00	1.13			
Sand Proppant 200,888.00	Water-bbl 5,291.00	SCF N2	Acid-Gal 500.00			
Stage 27	Formation MARCELLUS	Frac Type Slickwater				
Date 12/18/2012	From / To 10889 - 11011	# of perfs	BD Press 6,694.00	ATP Psi 7,995.00	SIP Detail 5 Min: 4738 10 Min: 4377 15 Min: 4183	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
100.00	8,368.00	5,960.00	1.22			
Sand Proppant 201,620.00	Water-bbl 5,303.00	SCF N2	Acid-Gal 500.00			
Stage 28	Formation MARCELLUS	Frac Type Slickwater				
Date 12/18/2012	From / To 10739 - 10861	# of perfs	BD Press 6,921.00	ATP Psi 8,159.00	SIP Detail 5 Min: 4684 10 Min: 4291 15 Min: 4048	
Avg Rate	Max Press PSI	ISIP	Frac Gradient			
93.40	8,752.00	5,458.00	1.15			
Sand Proppant 200,689.00	Water-bbl 5,221.00	SCF N2	Acid-Gal 500.00			

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Stage 29	Formation MARCELLUS	Frac Type Slickwater			
Date 12/19/2012	From / To 10589 - 10711	# of perfs	BD Press 5,639.00	ATP Psi 8,015.00	SIP Detail 5 Min: 4588 10 Min: 4237 15 Min: 4035
Avg Rate 99.20	Max Press PSI 8,612.00	ISIP 5,558.00	Frac Gradient 1.17		
Sand Proppant 203,040.00	Water-bbl 5,064.00	SCF N2	Acid-Gal 500.00		

Stage 30	Formation MARCELLUS	Frac Type Slickwater			
Date 12/19/2012	From / To 10304 - 10546	# of perfs	BD Press 7,469.00	ATP Psi 8,203.00	SIP Detail 5 Min: 3720 10 Min: 3528 15 Min: 3414
Avg Rate 77.60	Max Press PSI 9,381.00	ISIP 4,895.00	Frac Gradient 1.08		
Sand Proppant 301,690.00	Water-bbl 9,821.00	SCF N2	Acid-Gal 1,500.00		

Stage 31	Formation MARCELLUS	Frac Type Slickwater			
Date 12/19/2012	From / To 10004 - 10246	# of perfs	BD Press 6,245.00	ATP Psi 7,831.00	SIP Detail 5 Min: 4827 10 Min: 4395 15 Min: 4125
Avg Rate 100.30	Max Press PSI 8,217.00	ISIP 5,557.00	Frac Gradient 1.17		
Sand Proppant 400,066.00	Water-bbl 10,073.00	SCF N2	Acid-Gal 750.00		

Stage 32	Formation MARCELLUS	Frac Type Slickwater			
Date 12/19/2012	From / To 9704 - 9946	# of perfs	BD Press 6,234.00	ATP Psi 7,759.00	SIP Detail 5 Min: 4362 10 Min: 4079 15 Min: 3896
Avg Rate 100.30	Max Press PSI 8,313.00	ISIP 4,980.00	Frac Gradient 1.09		
Sand Proppant 401,477.00	Water-bbl 10,127.00	SCF N2	Acid-Gal 500.00		

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Stage	Formation	Frac Type			
33	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
12/20/2012	9404 - 9675		6,730.00	7,701.00	5 Min: 4045 10 Min: 4022 15 Min: 3612
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
100.30	7,963.00	4,993.00	1.09		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
400,720.00	9,789.00		750.00		

Stage	Formation	Frac Type			
34	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
12/20/2012	9239 - 9361		6,160.00	8,020.00	5 Min: 4328 10 Min: 3924 15 Min: 3760
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
98.40	8,298.00	5,456.00	1.15		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
151,380.00	4,311.00		500.00		

Stage	Formation	Frac Type			
35	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
12/20/2012	9089 - 9211		6,043.00	7,826.00	5 Min: 4074 10 Min: 3695 15 Min: 3512
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
99.70	8,497.00	4,077.00	1.1		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
199,790.00	5,002.00		500.00		

Stage	Formation	Frac Type			
36	MARCELLUS	Slickwater			
Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
12/20/2012	8939 - 9059		6,312.00	7,902.00	5 Min: 4037 10 Min: 3631 15 Min: 3437
Avg Rate	Max Press PSI	ISIP	Frac Gradient		
99.50	8,556.00	5,278.00	1.13		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
201,204.00	5,254.00		500.00		

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