



Customer: Mountaineer Keystone
Date: 12/3/2012
Well: Soinski 201
Stage: 1
API #: 34-133-24440
County: Portage
State: Ohio
Formation: Utica

EXECUTIVE SUMMARY

Well Data

Casing Size:	5-1/2"	Top Perf:	10138
TVD:	6042	Bottom Perf:	10365
Perf Diameter:	0.42	Wellhead Press.:	433 psi
Open Wellhead:	4:11 PM	Number of perfs:	40
		Breakdown Press.:	6742 psi
		Shutdown Time:	6:46 PM

Treatment Volumes

Total Clean (bbl): 5386	Total Slurry (bbl): 5499
Slickwater (bbl): 2232	Gel Water (bbl): 0
Low ph Slickwater (bbl): 3094	Crosslink (bbl): 0
15% HCl Acid (gal): 5040	Flush (bbl): 259
28% HCl Acid (gal): 3738	
Pumpdown (bbl): N/A	Total to Recover (bbl): 5386
100 mesh (lbs): 51100	100 Mesh Fluid bbl: 1489
20/40 mesh (lbs): 54000	20/40 Fluid bbl: 1207
Proppant Total: 105100	Proppant Fluid bbl: 2696

Rates & Pressures

Min Rate (BPM): 38.8	Min Pressure (psi): 5297
Max Rate (BPM): 77	Max Pressure (psi): 8417
Avg. Rate (BPM): 63.1	Avg. Pressure (psi): 6752
Average HHP: 10442	Final ISIP: 3911
Max HHP: 15885	Final Frac Gradient: 1.08
	5 Min: 2864
Viscosity (cp): N/A	10 Min: NR
Chlorides (mg/L): 4600	15 Min: NR

Thank you.

David Jones

TMV Operator

djones@uswellservices.com

Customer Representative: Jon Sheldon

Customer Contact: 304-241-4811



Customer: Mountaineer Keystone
 Date: 12/4/2012
 Well: Soinski 201
 Stage: 2
 API #: 34-133-24440
 County: Portage
 State: Ohio
 Formation: Utica

EXECUTIVE SUMMARY

Well Data

Casing Size:	5-1/2"	Top Perf:	9839
TVD:	6040	Bottom Perf:	10066
Perf Diameter:	0.42	Wellhead Press.:	2135 psi
Open Wellhead:	12:46 PM	Number of perfs:	40
		Breakdown Press.:	5850 psi
		Shutdown Time:	2:57 PM

Treatment Volumes

Total Clean (bbl): 6517	Total Slurry (bbl): 6964
Slickwater (bbl): 3085	Gel Water (bbl): 1607
3.5% HCl Acid (gal): 0	Crosslink (bbl): 1600
15% HCl Acid (gal) 10080	Flush (bbl): 270
28% HCl Acid (gal) 0	
Pumpdown (bbl): 840	Total to Recover (bbl): 6517
100 mesh (lbs): 49511	100 Mesh Fluid bbl: 1569
20/40 mesh (lbs): 310000	20/40 Fluid bbl: 3802
Proppant Total: 359511	Proppant Fluid bbl: 5371

Rates & Pressures

Min Rate (BPM): 80	Min Pressure (psi): 5565
Max Rate (BPM): 82	Max Pressure (psi): 7019
Avg. Rate (BPM): 81	Avg. Pressure (psi): 6032
Average HHP: 11975	Final ISIP: 3799
Max HHP: 14107	Final Frac Gradient: 1.06
	5 Min: 3002
Viscosity (cp): 10	10 Min: NR
Chlorides (mg/L): 5600	15 Min: NR

Thank you.

Lee Eltringham

Technical Professional

leltringham@uswellservices.com

Customer Representative: Jon Sheldon

Customer Contact: 304-241-4811



Customer: Mountaineer Keystone
Date: 12/4/2012
Well: Soinski 201
Stage: 3
API #: 34-133-24440
County: Portage
State: Ohio
Formation: Utica

EXECUTIVE SUMMARY

Well Data

Casing Size:	5-1/2"	Top Perf:	9540
TVD:	6036	Bottom Perf:	9767
Perf Diameter:	0.42	Wellhead Press.:	2384 psi
Open Wellhead:	8:01 PM	Number of perfs:	40
		Breakdown Press.:	4696 psi
		Shutdown Time:	9:57 PM

Treatment Volumes

Total Clean (bbl): 5776	Total Slurry (bbl): 6183
Slickwater (bbl): 4665	Gel Water (bbl): 474
Low ph Slickwater (bbl): 0	Crosslink (bbl): 422
15% HCl Acid (gal) 6216	Flush (bbl): 242
28% HCl Acid (gal) 0	
Pumpdown (bbl): 187	Total to Recover (bbl): 5776
100 mesh (lbs): 50120	100 Mesh Fluid bbl: 1429
20/40 mesh (lbs): 320050	20/40 Fluid bbl: 3590
Proppant Total: 370170	Proppant Fluid bbl: 5019

Rates & Pressures

Min Rate (BPM): 55.2	Min Pressure (psi): 5488
Max Rate (BPM): 85.6	Max Pressure (psi): 8019
Avg. Rate (BPM): 84.6	Avg. Pressure (psi): 5784
Average HHP: 11993	Final ISIP: 3596
Max HHP: 16824	Final Frac Gradient: 1.03
	5 Min: 3047
Viscosity (cp): 9	10 Min: N/A
Chlorides (mg/L): 4500	15 Min: N/A

Thank you.

David Jones

TMV Operator

djones@uswellservices.com

Customer Representative: Brandon Wedde

Customer Contact: 724-719-1240



Customer: Mountaineer Keystone
Date: 12/5/2012
Well: Soinski 201
Stage: 4
API #: 34-133-24440
County: Portage
State: Ohio
Formation: Utica

EXECUTIVE SUMMARY

Well Data

Casing Size:	5-1/2"	Top Perf:	9241
TVD:	6034	Bottom Perf:	9468
Perf Diameter:	0.42	Wellhead Press.:	2303 psi
Open Wellhead:	5:43 AM	Number of perfs:	40
		Breakdown Press.:	6926 psi
		Shutdown Time:	7:23 AM

Treatment Volumes

Total Clean (bbl): 5330	Total Slurry (bbl): 5619
Slickwater (bbl): 3201	Gel Water (bbl): 1324
Low ph Slickwater (bbl): 0	Crosslink (bbl): 607
15% HCl Acid (gal) 7980	Flush (bbl): 286
28% HCl Acid (gal) 0	
Pumpdown (bbl): 192	Total to Recover (bbl): 5330
100 mesh (lbs): 50879	100 Mesh Fluid bbl: 1435
20/40 mesh (lbs): 206000	20/40 Fluid bbl: 3119
Proppant Total: 256879	Proppant Fluid bbl: 4554

Rates & Pressures

Min Rate (BPM): 77	Min Pressure (psi): 6250
Max Rate (BPM): 82	Max Pressure (psi): 9232
Avg. Rate (BPM): 80	Avg. Pressure (psi): 6900
Average HHP: 13529	Final ISIP: 4275
Max HHP: 18555	Final Frac Gradient: 1.14
	5 Min: 3524
Viscosity (cp): 9	10 Min: 0
Chlorides (mg/L): 5800	15 Min: 0

Thank you.

Lee Eltringham

Technical Professional

leltringham@uswellservices.com

Customer Representative: Jon Sheldon

Customer Contact: 304-241-4811



Customer: Mountaineer Keystone
Date: 12/5/2012
Well: Soinski 201
Stage: 5
API #: 34-133-24440
County: Portage
State: Ohio
Formation: Utica

EXECUTIVE SUMMARY

Well Data

Casing Size:	5-1/2"	Top Perf:	8942
TVD:	6032	Bottom Perf:	9169
Perf Diameter:	0.42	Wellhead Press.:	2487 psi
Open Wellhead:	2:08 PM	Number of perfs:	40
		Breakdown Press.:	6143 psi
		Shutdown Time:	3:56 PM

Treatment Volumes

Total Clean (bbl): 6274	Total Slurry (bbl): 6727
Slickwater (bbl): 2754	Gel Water (bbl): 1589
Low ph Slickwater (bbl): 0	Crosslink (bbl): 1739
15% HCl Acid (gal) 7560	Flush (bbl): 265
28% HCl Acid (gal) 0	
Pumpdown (bbl): 319	Total to Recover (bbl): 6274
100 mesh (lbs): 49739	100 Mesh Fluid bbl: 1356
20/40 mesh (lbs): 345000	20/40 Fluid bbl: 3914
Proppant Total: 394739	Proppant Fluid bbl: 5270

Rates & Pressures

Min Rate (BPM): 82	Min Pressure (psi): 6097
Max Rate (BPM): 86	Max Pressure (psi): 8651
Avg. Rate (BPM): 83	Avg. Pressure (psi): 6755
Average HHP: 13742	Final ISIP: 5427
Max HHP: 18235	Final Frac Gradient: 1.33
	5 Min: 4454
Viscosity (cp): 8	10 Min: 0
Chlorides (mg/L): 5700	15 Min: 0

Thank you.

Lee Eltringham

Technical Professional

leltringham@uswellservices.com

Customer Representative: Jon Sheldon

Customer Contact: 724-940-1100



Customer: Mountaineer Keystone
Date: 12/7/2012
Well: Soinski 201
Stage: 6
API #: 34-133-24440
County: Portage
State: Ohio
Formation: Utica

EXECUTIVE SUMMARY

Well Data

Casing Size:	5-1/2"	Top Perf:	8643
TVD:	6033	Bottom Perf:	8870
Perf Diameter:	0.42	Wellhead Press.:	2701 psi
Open Wellhead:	11:17 AM	Number of perfs:	40
		Breakdown Press.:	6195 psi
		Shutdown Time:	1:05 PM

Treatment Volumes

Total Clean (bbl): 6161	Total Slurry (bbl): 6608
Slickwater (bbl): 4536	Gel Water (bbl): 503
Low ph Slickwater (bbl): 0	Crosslink (bbl): 1022
15% HCl Acid (gal) 8400	Flush (bbl): 215
28% HCl Acid (gal) 0	
Pumpdown (bbl): 163	Total to Recover (bbl): 6161
100 mesh (lbs): 49765	100 Mesh Fluid bbl: 1473
20/40 mesh (lbs): 349340	20/40 Fluid bbl: 3865
Proppant Total: 399105	Proppant Fluid bbl: 5338

Rates & Pressures

Min Rate (BPM): 78.3	Min Pressure (psi): 6151
Max Rate (BPM): 80.8	Max Pressure (psi): 9132
Avg. Rate (BPM): 80.1	Avg. Pressure (psi): 6540
Average HHP: 12840	Final ISIP: 5742
Max HHP: 18084	Final Frac Gradient: 1.39
	5 Min: 4708
Viscosity (cp): 7.5	10 Min: 0
Chlorides (mg/L): 4500	15 Min: 0

Thank you.

Robert Quick

Associate Technical Professional

Customer Representative: Jon Sheldon

Customer Contact: 304.376.0719



Customer: Mountaineer Keystone
Date: 12/8/2012
Well: Soinski 201
Stage: 7
API #: 34-133-24440
County: Portage
State: Ohio
Formation: Utica

EXECUTIVE SUMMARY

Well Data

Casing Size:	5-1/2"	Top Perf:	8344
TVD:	6035	Bottom Perf:	8571
Perf Diameter:	0.42	Wellhead Press.:	2553 psi
Open Wellhead:	4:10 AM	Number of perfs:	40
		Breakdown Press.:	7824 psi
		Shutdown Time:	6:07 AM

Treatment Volumes

Total Clean (bbl): 6597	Total Slurry (bbl): 7058
Slickwater (bbl): 2668	Gel Water (bbl): 1162
Low ph Slickwater (bbl): 0	Crosslink (bbl): 2679
15% HCl Acid (gal) 8526	Flush (bbl): 208
28% HCl Acid (gal) 0	
Pumpdown (bbl): 201	Total to Recover (bbl): 6597
100 mesh (lbs): 49300	100 Mesh Fluid bbl: 1500
20/40 mesh (lbs): 335300	20/40 Fluid bbl: 4440
Proppant Total: 384600	Proppant Fluid bbl: 5940

Rates & Pressures

Min Rate (BPM): 58.7	Min Pressure (psi): 5427
Max Rate (BPM): 85.6	Max Pressure (psi): 9230
Avg. Rate (BPM): 73.6	Avg. Pressure (psi): 6703
Average HHP: 12091	Final ISIP: 3401
Max HHP: 19365	Final Frac Gradient: 1.00
	5 Min: 2886
Viscosity (cp): 9	10 Min: 0
Chlorides (mg/L): 4500	15 Min: 0

Thank you.

Robert Quick

Associate Technical Professional

Customer Representative: Brandon Wedde

Customer Contact: 724-719-1240



EXECUTIVE SUMMARY

Customer: Mountaineer Keystone
Date: 12/9/2012
Well: Soinski 201
Stage: 8
API #: 34-133-24440
County: Portage
State: Ohio
Formation: Utica

Well Data

Casing Size:	5-1/2"	Top Perf:	8045
TVD:	6026	Bottom Perf:	8272
Perf Diameter:	0.42	Wellhead Press.:	2098 psi
Open Wellhead:	4:17 AM	Number of perfs:	40
		Breakdown Press.:	9030 psi
		Shutdown Time:	5:56 AM

Treatment Volumes

Total Clean (bbl): 5969	Total Slurry (bbl): 6418
Slickwater (bbl): 3226	Gel Water (bbl): 581
Low ph Slickwater (bbl): 0	Crosslink (bbl): 2072
15% HCl Acid (gal) 7854	Flush (bbl): 208
28% HCl Acid (gal) 0	
Pumpdown (bbl): 135	Total to Recover (bbl): 5969
100 mesh (lbs): 49400	100 Mesh Fluid bbl: 1492
20/40 mesh (lbs): 351580	20/40 Fluid bbl: 3862
Proppant Total: 400980	Proppant Fluid bbl: 5354

Rates & Pressures

Min Rate (BPM):	80.1	Min Pressure (psi):	5916
Max Rate (BPM):	83	Max Pressure (psi):	9086
Avg. Rate (BPM):	80.7	Avg. Pressure (psi):	6293
Average HHP:	12447	Final ISIP:	3507
Max HHP:	18484	Final Frac Gradient:	1.02
		5 Min:	2861
Viscosity (cp):	9	10 Min:	N/A
Chlorides (mg/L):	4800	15 Min:	N/A

Thank you.
David Jones
TMV Operator

Customer Representative: Brandon Wedde
Customer Contact: 724-719-1240



Customer: Mountaineer Keystone
Date: 12/9/2012
Well: Soinski 201
Stage: 9
API #: 34-133-24440
County: Portage
State: Ohio
Formation: Utica

EXECUTIVE SUMMARY

Well Data

Casing Size:	5-1/2"	Top Perf:	7746
TVD:	6020	Bottom Perf:	7973
Perf Diameter:	0.42	Wellhead Press.:	2063 psi
Open Wellhead:	7:10 PM	Breakdown Press.:	9024 psi
		Number of perfs:	40
		Shutdown Time:	9:30 PM

Treatment Volumes

Total Clean (bbl): 6494	Total Slurry (bbl): 6950
Slickwater (bbl): 3151	Gel Water (bbl): 1125
Low ph Slickwater (bbl): 0	Crosslink (bbl): 2119
15% HCl Acid (gal) 8568	Flush (bbl): 393
28% HCl Acid (gal) 0	
Pumpdown (bbl): 119	Total to Recover (bbl): 6494
100 mesh (lbs): 51200	100 Mesh Fluid bbl: 1710
20/40 mesh (lbs): 355700	20/40 Fluid bbl: 3840
Proppant Total: 406900	Proppant Fluid bbl: 5550

Rates & Pressures

Min Rate (BPM): 68.9	Min Pressure (psi): 6285
Max Rate (BPM): 82.7	Max Pressure (psi): 8160
Avg. Rate (BPM): 81	Avg. Pressure (psi): 6824
Average HHP: 13548	Final ISIP: 3634
Max HHP: 16540	Final Frac Gradient: 1.04
	5 Min: 3030
Viscosity (cp): 9	10 Min: N/A
Chlorides (mg/L): 4800	15 Min: N/A

Thank you.

David Jones

TMV Operator

djones@uswellservices.com

Customer Representative: Brandon Wedde

Customer Contact: 724-719-1240



Customer: Mountaineer Keystone
Date: 12/10/2012
Well: Soinski 201
Stage: 10
API #: 34-133-24440
County: Portage
State: Ohio
Formation: Utica

EXECUTIVE SUMMARY

Well Data

Casing Size:	5-1/2"	Top Perf:	7447
TVD:	6020	Bottom Perf:	7674
Perf Diameter:	0.42	Wellhead Press.:	2208 psi
Open Wellhead:	12:22 PM	Number of perfs:	40
		Breakdown Press.:	9114 psi
		Shutdown Time:	2:24 PM

Treatment Volumes

Total Clean (bbl): 6051	Total Slurry (bbl): 6506
Slickwater (bbl): 3263	Gel Water (bbl): 509
Low ph Slickwater (bbl): 0	Crosslink (bbl): 2166
15% HCl Acid (gal) 9366	Flush (bbl): 184
28% HCl Acid (gal) 0	
Pumpdown (bbl): 92	Total to Recover (bbl): 6051
100 mesh (lbs): 49800	100 Mesh Fluid bbl: 1519
20/40 mesh (lbs): 340800	20/40 Fluid bbl: 3869
Proppant Total: 390600	Proppant Fluid bbl: 5388

Rates & Pressures

Min Rate (BPM): 79.9	Min Pressure (psi): 6792
Max Rate (BPM): 80.9	Max Pressure (psi): 9114
Avg. Rate (BPM): 80.3	Avg. Pressure (psi): 7057
Average HHP: 13889	Final ISIP: 4011
Max HHP: 18072	Final Frac Gradient: 1.10
	5 Min: 2925
Viscosity (cp): 9.5	10 Min: 0
Chlorides (mg/L): 4700	15 Min: 0

Thank you.

Robert Quick

Associate Technical Professional
rquick@uswellservices.com

Customer Representative: Jon Sheldon
Customer Contact: 304.376.0719



Customer: Mountaineer Keystone
Date: 12/11/2012
Well: Soinski 201
Stage: 11
API #: 34-133-24440
County: Portage
State: Ohio
Formation: Utica

EXECUTIVE SUMMARY

Well Data

Casing Size:	5-1/2"	Top Perf:	7148
TVD:	6018	Bottom Perf:	7375
Perf Diameter:	0.42	Wellhead Press.:	2312 psi
Open Wellhead:	1:25 PM	Number of perfs:	40
		Breakdown Press.:	6812 psi
		Shutdown Time:	6:56 PM

Treatment Volumes

Total Clean (bbl): 6483	Total Slurry (bbl): 6873
Slickwater (bbl): 4489	Gel Water (bbl): 519
Low ph Slickwater (bbl): 0	Crosslink (bbl): 1360
15% HCl Acid (gal) 8568	Flush (bbl): 184
28% HCl Acid (gal) 0	
Pumpdown (bbl): 82	Total to Recover (bbl): 6483
100 mesh (lbs): 50520	100 Mesh Fluid bbl: 1553
20/40 mesh (lbs): 302400	20/40 Fluid bbl: 3822
Proppant Total: 352920	Proppant Fluid bbl: 5375

Rates & Pressures

Min Rate (BPM): 58.3	Min Pressure (psi): 5889
Max Rate (BPM): 82.4	Max Pressure (psi): 7550
Avg. Rate (BPM): 81.5	Avg. Pressure (psi): 6621
Average HHP: 13226	Final ISIP: 3538
Max HHP: 15248	Final Frac Gradient: 1.02
	5 Min: 2963
Viscosity (cp): 9	10 Min: N/A
Chlorides (mg/L): 4800	15 Min: N/A

Thank you.

David Jones

TMV Operator

djones@uswellservices.com

Customer Representative: Jon Sheldon

Customer Contact: 304.376.0719



EXECUTIVE SUMMARY

Customer: Mountaineer Keystone
Date: 12/12/2012
Well: Soinski 201
Stage: 12
API #: 34-133-24440
County: Portage
State: Ohio
Formation: Utica

Well Data

Casing Size:	5-1/2"	Top Perf:	6849
TVD:	6016	Bottom Perf:	7076
Perf Diameter:	0.42	Wellhead Press.:	2410 psi
Open Wellhead:	10:34 AM	Number of perfs:	40
		Breakdown Press.:	6388 psi
		Shutdown Time:	12:17 PM

Treatment Volumes

Total Clean (bbl): 6016	Total Slurry (bbl): 6467
Slickwater (bbl): 3249	Gel Water (bbl): 499
Low ph Slickwater (bbl): 0	Crosslink (bbl): 2164
15% HCl Acid (gal) 8820	Flush (bbl): 175
28% HCl Acid (gal) 0	
Pumpdown (bbl): 42	Total to Recover (bbl): 6016
100 mesh (lbs): 48700	100 Mesh Fluid bbl: 1510
20/40 mesh (lbs): 352250	20/40 Fluid bbl: 3854
Proppant Total: 400950	Proppant Fluid bbl: 5364

Rates & Pressures

Min Rate (BPM): 79.3	Min Pressure (psi): 5472
Max Rate (BPM): 81	Max Pressure (psi): 6806
Avg. Rate (BPM): 80.4	Avg. Pressure (psi): 5659
Average HHP: 11151	Final ISIP: 3524
Max HHP: 13512	Final Frac Gradient: 1.02
	5 Min: 3165
Viscosity (cp): 10	10 Min: n/a
Chlorides (mg/L): 4600	15 Min: n/a

Thank you.

Robert Quick

Associate Technical Professional

rquick@uswellservices.com

Customer Representative: Jon Sheldon

Customer Contact: 304.376.0719



Customer: Mountaineer Keystone
Date: 12/13/2012
Well: Soinski 201
Stage: 13
API #: 34-133-24440
County: Portage
State: Ohio
Formation: Utica

EXECUTIVE SUMMARY

Well Data

Casing Size:	5-1/2"	Top Perf:	6550
TVD:	6019	Bottom Perf:	6777
Perf Diameter:	0.42	Wellhead Press.:	2496 psi
Open Wellhead:	11:12 PM	Number of perfs:	40
		Breakdown Press.:	5980 psi
		Shutdown Time:	12:56 AM

Treatment Volumes

Total Clean (bbl): 5824	Total Slurry (bbl): 6269
Slickwater (bbl): 3132	Gel Water (bbl): 1506
Low ph Slickwater (bbl): 0	Crosslink (bbl): 1085
15% HCl Acid (gal) 8610	Flush (bbl): 169
28% HCl Acid (gal) 0	
Pumpdown (bbl): 50	Total to Recover (bbl): 5824
100 mesh (lbs): 49500	100 Mesh Fluid bbl: 1461
20/40 mesh (lbs): 351900	20/40 Fluid bbl: 3807
Proppant Total: 401400	Proppant Fluid bbl: 5268

Rates & Pressures

Min Rate (BPM): 60.8	Min Pressure (psi): 5551
Max Rate (BPM): 82.3	Max Pressure (psi): 6681
Avg. Rate (BPM): 81.5	Avg. Pressure (psi): 5757
Average HHP: 11500	Final ISIP: 4863
Max HHP: 13477	Final Frac Gradient: 1.24
	5 Min: 3534
Viscosity (cp): 9	10 Min: N/A
Chlorides (mg/L): 4500	15 Min: N/A

Thank you.

David Jones

TMV Operator

djones@uswellservices.com

Customer Representative: Brandon Wedde

Customer Contact: 724-719-1240



Customer: Mountaineer Keystone
Date: 12/13/2012
Well: Soinski 201
Stage: 14
API #: 34-133-24440
County: Portage
State: Ohio
Formation: Utica

EXECUTIVE SUMMARY

Well Data

Casing Size:	5-1/2"	Top Perf:	6251
TVD:	6025	Bottom Perf:	6478
Perf Diameter:	0.42	Wellhead Press.:	2615 psi
Open Wellhead:	2:14 PM	Number of perfs:	40
		Breakdown Press.:	6035 psi
		Shutdown Time:	3:48 PM

Treatment Volumes

Total Clean (bbl): 5550	Total Slurry (bbl): 5930
Slickwater (bbl): 3190	Gel Water (bbl): 735
Low ph Slickwater (bbl): 0	Crosslink (bbl): 1982
15% HCl Acid (gal) 8988	Flush (bbl): 232
28% HCl Acid (gal) 0	
Pumpdown (bbl): 35	Total to Recover (bbl): 5550
100 mesh (lbs): 48500	100 Mesh Fluid bbl: 1503
20/40 mesh (lbs): 307640	20/40 Fluid bbl: 3442
Proppant Total: 356140	Proppant Fluid bbl: 4945

Rates & Pressures

Min Rate (BPM): 78.8	Min Pressure (psi): 5841
Max Rate (BPM): 80.7	Max Pressure (psi): 7154
Avg. Rate (BPM): 80	Avg. Pressure (psi): 6205
Average HHP: 12166	Final ISIP: 4455
Max HHP: 14149	Final Frac Gradient: 1.17
	5 Min: 3281
Viscosity (cp): 9	10 Min: n/a
Chlorides (mg/L): 4400	15 Min: n/a

Thank you.

Robert Quick

Associate Technical Professional

rquick@uswellservices.com

Customer Representative: Jeff Wozniak

Customer Contact: 724.584.1194