

STAGE ONE:	Devonian Shale		
30 Holes	10,060' – 9,832'		
Water Frac	301,400 Lbs sand.	7,766 bbl CFL	
STAGE TWO:	Devonian Shale		
30 Holes	9,723' – 9,495'		
Water Frac	299,800 Lbs sand.	7,405 bbl CFL	
STAGE THREE:	Devonian Shale		
30 Holes	9,376' – 9,158'		
Water Frac	301,200 Lbs sand.	7,600 bbl CFL	
STAGE FOUR:	Devonian Shale		
30 Holes	9,048' – 8,822'		
Water Frac	299,400 Lbs sand.	7,465 bbl CFL	
STAGE FIVE:	Devonian Shale		
30 Holes	8,712' – 8,492'		
Water Frac	302,900 Lbs sand.	7,464 bbl CFL	
STAGE SIX:	Devonian Shale		
30 Holes	8,375' – 8,146'		
Water Frac	300,800 Lbs sand.	7,016 bbl CFL	

02-15-2013

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FORMATION COLOR, HARD OR SOFT	TOP FEET	BOTTOM FEET
Top Fill	0	40
Sand & Shale	40	1150
Maxton	1700	1762
Little Lime	1906	1920
Pencil Cave	1920	1938
Big Lime	1938	2030
Big Injun	2030	2138
50 Foot	2632	2683
0 Foot	2850	2890
Gordon	2923	2988
Fifth	3101	3119
Benson	4696	4708
Alexander	5624	5648
Geneseo	7402	7450
Tully	7450	7490
Hamilton	7490	7533
Upper Marcellus	7533	7618
Cherry Valley	7618	7623
Lower Marcellus	7623	7688
Onondaga	7688	7703