Date	Bullet	Powder	Primer	High	Low	ES	Average	Comments
Data Current		**2/7/14**						

SPECIAL NOTE:

These loads have proven safe in MY RIFLES, and the rifles I have worked with. However, this does not mean they will be safe in YOUR RIFLE. As always approach upper limits with caution. This load data is for you to use wisely and safely, always start low and work up and do not exceed nor interchange data between rifles!

DO NOT START WITH MAXIMUM LOADS IN YOUR RIFLE----START AT LEAST 10% BELOW MAX AND WORK YOUR WAY UP WITH EXTREME CAUTION

Because I have no control over the individual loading practices and or components used, the user of this data releases the Author, writer, designer, creator of this data from any and all liability arising out of the use of the data or information provided in this document. The Author, or creators of this data makes no representations or warranties either express or implied with the information in this data. The user of this data provided in this document assumes any and all risks associated with using said information.

416 B&M General Load Data

To make brass cut 300 RUM close to 2.240 inches-trim, lube & run through the 416 Size Die trim to 2.240 inches. Formed case should bump against the shoulder just a bit when chambering.

SPECIAL NOTE---Factory 300 RUM Expansion just above and even with the extractor groove .0035>>>.0045

SPECIAL NOTE---10/15/2007 I have started trimming 416 B&M to 2.240 inches

Original Specs are 2.295 inches

SPECIAL NOTE ABOUT BRASS————

416 B&M can suffer from Case Head Separation. I have found that if using ball powders, full length size with easy to chamber specs, that the cases will give case head separation after 3-4 firings, or start showing signs of stress, a ring around the case about 1/2 inch above the rim. Again, this is full length sized to easy chambering, using BALL POWDERS..... One can use BALL Powders.. with NEW FORMED BRASS by bumping the shoulder on the first firing, and lengthen the life of brass. AA2520, XTerminator, TAC or WW 748

I have discovered that if you use an Extruded Tubular Powder—-RL 15, IMR 4320, IMR 8208 with the heavier bullets that you can safely full length resize the case, to where it is easy to chamber, no bumping, and I have fired brass that lasts 10+ firings with continued use of Extruded or Stick Powders. The same is true when using Light for caliber bullets, in particular the 225 #13 Raptor, and using either RL 7 or H-4198, both extruded Powders.

WInchester M70 WSM Action
416 B&M 20 Inch Barrel

225 BBW#13 NoNCon R08---Seat Deep, Use Talon Tip Works through Magazine.

You can use fully formed new brass with these loads..... No Head Space Separation

2/6/13	225#13 HP	70/H-4198	Fed 215	2956	2947	9	2952	Exc Load---Max With Talon Tip
								57390 PSI--PT2
3/26/13	225 #13 HP	70/RL 7	Fed 215	2923	2902	21	2914	56852 PSI-- New Brass
3/26/13	225 #13 HP	70/RL 7	Fed 215	2938	2906	32	2918	56908 PSI-- Fired Brass
3/26/13	225 #13 HP	71/RL 10X	Fed 215	2868	2862	6	2865	53716 PSI--Excellent Load

300 ESP Raptor

300 Raptor		75/AA 2520	Fed 215	2629	2626	3	2627	62293 PSI
300 Raptor		67/IMR 8208	Fed 215	2455	2423	32	2439	50098 PSI
300 Raptor		69/IMR 8208	Fed 215	2474	2462	12	2468	53980 PSI
300 Raptor		70/IMR 8208	Fed 215	2500	2499.8	0.2	2500	54218 PSI--Max
300 Raptor		65/X-Term	Fed 215	2458	2437	21	2448	52881 PSI

300 Raptor		67/X-Term	Fed 215	2515	2511	4	2513	56664 PSI--Max
300 Raptor		70/TAC	Fed 215	2529	2518	11	2523	58470 PSI--MAX
300 Raptor		74/WW 748	Fed 215	2372	2371	1	2372	43982 PSI
300 BarnesX		78/AA 2520	Fed 215	2668	2656	12	2661	
300 BarnesX		81/WW 748	Fed 215	2579	2561	18	2571	
300 BarnesX		66/RL 10X	Fed 215	2531	2513	18	2521	
325 North Fork SS		75/AA 2520	Fed 215	2564	2546	18	2553	Pressure 59309 PSI
325 NorFork		77/WW 748	Fed 215	2499	2471	28	2490	
325 CEB BBW #13 Hollow Point Brass				Below is with already Fire Formed Brass.....				
325 CEB #13 HP		74/AA 2520	Fed 215	2543	2528	15	2535	Pressure 59248 PSI
325 #13HP		72/IMR 8208	Fed 215	2466	2447	19	2457	52724 PSI
325 #13HP		74/IMR 8208	Fed 215	2542	2512	30	2530	59825 PSI--Max Safe
NEW FORMED BRASS		Very Important Note; New Formed brass produces Added Pressures over Already						
				Fire Formed Brass!				
New Brass Full Length Sized and fired with IMR 8208 DOES NOT Experience Head Separation								
5/10/12	325 #13HP	72/IMR 8208	Fed 215	2508	2484	24	2501	61701 PSI--MAX WITH NEW BRASS
5/10/12	325 #13HP	72/IMR 8208	Fed 215	2512	2497	14	2506	62184 PSI--MAX WITH NEW BRASS
2/6/14	325#13 HP	78/RL 15	Fed 215	2495	2471	24	2480	50055 PSI
				51161	48919	2241	50055	
2/6/14	325#13 HP	73/TAC	Fed 215	2503	2494	7	2499	58136 PSI
				58717	57555	1162	58136	Exc PTs
2/7/14	325#13 HP	74/TAC	Fed 215	2561	2560	1	2561	61483 PSI
				62392	60574	1817	61483	Exc PTs
2/6/14	325#13 HP	75/IMR 4320	Fed 215	2484	2474	10	2479	55214 PSI
				55218	55210	8	55214	VVExc PTs
2/6/14	325#13 HP	80/WW 748	Fed 215	2557	2546	10	2552	56929 PSI
				58639	55218	3421	56929	
2/7/14	325#13 HP	81/WW 748	Fed 215	2588	2581	7	2584	58415 PSI—Exc Load
				58821	58010	811	58415	
340 Wood		68/H-322	Fed 215	2431	2425	6	2427	
340 Wood		78/WW 748	Fed 215	2431	2416	15	2422	
340 Wood		73/AA 2520	Fed 215	2487	2477	10	2482	Pressure 60314 PSI
350 Speer		73/WW 748	Fed 215	2393	2339	54	2361	
350 Speer		68/AA 2520	Fed 215	2338	2334	4	2335	
350 Swift A		73/AA 2520	Fed 215	2447	2439	8	2443	
350 Swift A		73/WW 748	Fed 215	2370	2333	37	2355	

350 Barnes X		73/AA 2520	Fed 215	2431	2395	36	2407	Pressure 63171 PSI
350 BarnesX		73/AA 2520	Fed 215	2438	2421	17	2427	
350 BarSolFN		72/AA 2520	Fed 215	2412	2406	6	2409	Pressure 57827 PSI
350 BarSolFN		73/AA 2520	Fed 215	2485	2468	16	2476	Pressure 64799 PSI
350 CEB BBW #13 Brass Solid								
1/28/14	350 #13	72/AA 2520	Fed 215	2401	2399	2	2400	56865 PSI—Same as 2010 Test
				57350	56380	969	56865	Excellent
1/28/14	350 #13	72/AA 2520	Fed 215	2401	2399	2	2400	54700 PSI—Oehler 83
				55100	54300	800	54700	Excellent Equal to PT 2
1/28/14	350 #13	73/AA 2520	Fed 215	2424	2422	2	2423	56821 PSI—Lower than 2010 Test
				57385	56257	1127	56821	Lower Vel and Pressure than 2010
1/28/14	350 #13	73/AA 2520	Fed 215	0	0	0	2433	55900 PSI—Oehler 83
				0	0	0	55900	Excellent Equal to PT 2
RL 15 looks extremely good in 416 B&M								
1/28/14	350 #13	73/RL 15	Fed 215	2347	2336	11	2341	47921 PSI
	Fired Brass			49083	46759	2323	47921	
1/28/14	350 #13	76/RL 15	Fed 215	2436	2431	5	2433	52719 PSI
	Fired Brass			53043	52394	649	52719	Excellent Load
1/31/14	350 #13	77/RL 15	Fed 215	2427	2425	2	2427	52989 PSI
	Fired Brass			54049	52297	1752	52989	
1/28/14	350 #13	78/RL 15	Fed 215	2489	2480	9	2484	57097 PSI
	Fired Brass			58010	56183	1826	57097	Exc Load-No Problem Compressing
1/31/14	350 #13	76/RL 15	Fed 215	2437	2427	10	2430	54255 PSI
	New Formed Brass			54569	53855	713	54255	Excellent Load Excellent PTs
1/31/14	350 #13	76/RL 15	Fed 215	2417	2406	11	2410	52547 PSI—RETEST
	New Formed Brass—RETEST			53043	52139	904	52547	Excellent Load
1/31/14	350 #13	77/RL 15	Fed 215	2413	2404	9	2408	51853 PSI—?? Low/Equal to 76?
	New Formed Brass			52394	50998	1396	51853	Exc PTs
1/31/14	350 #13	78/RL 15	Fed 215	2452	2442	10	2447	54381 PSI—Excellent Load/PTs
	New Formed Brass			55490	53389	2100	54381	Exc PTs
It appears that 416 B&M brass does NOT stretch from NEW FORMED BRASS when using RL 15 Loads. Most Ball Powders cause 416 B&M to stretch, and eventually case head separation. Not so in RL 15 at this date.								
1/31/14	350 #13	72/TAC	Fed 215	2431	2425	6	2428	57952 PSI—Exc Load Exc PTs
				57959	57945	13	57952	VVExcellent PTs.....
1/31/14	350 #13	74/IMR 4320	Fed 215	2463	2434	29	2448	59907 PSI—Max Safe Pressure
				60279	59535	743	59907	
1/31/14	350 #13	69/H-4895	Fed 215	2437	2411	25	2424	57425 PSI
				58009	56841	1168	57425	
1/31/14	350 #13	77/WW 748	Fed 215	2450	2449	1	2449	55997 PS
				56971	55023	1947	55997	
1/31/14	350 #13	79/WW 748	Fed 215	2498	2489	9	2494	58233 PSI
				58932	57534	1398	58233	
1/31/14	350 #13	80/WW 748	Fed 215	2514	2508	6	2511	58440 PSI
				59771	57109	2661	58440	
370 North Fork-CPS		74/WW 748	Fed 215	2334	2331	3	2333	Pressure 56231 PSI

370 CEB BBW#13 Brass NonCon HP—Match to 400#13 Solid								
370 CEB#13		74/WW 748	Fed 215	2334	2319	14	2324	Pressure 55210 PSI
370 CEB#13		76/WW 748	Fed 215	2390	2365	25	2378	Pressure 59058 PSI
370 CEB#13		69/AA 2520	Fed 215	2360	2353	7	2356	Pressure 60314 PSI
400 CEB BBW #13 Brass Solid								
400 CEB#13		74/WW 748	Fed 215	2301	2292	8	2297	Pressure 59411 PSI
400 CEB#13		75/WW 748	Fed 215	2336	2304	32	2320	Pressure 61257 PSI
400 CEB#13		67/AA 2520	Fed 215	2271	2251	20	2264	Pressure 61571 PSI
Winchester M70 WSM Action								
416 B&M 18 Inch Barrel								
225 BBW#13 NoNCon R08---Seat Deep, Use Talon Tip Works through Magazine.								
2/6/13	225#13 HP	68/H-4198	Fed 215	2818	2801	17	2810	Excellent--No Talon Tip
2/6/13	225#13 HP	70/H-4198	Fed 215	2887	2877	10	2882	Excellent--No Talon Tip
2/6/13	225#13 HP	70/H-4198	Fed 215	2910	2898	12	2905	Extreme Excellent--Talon Tip
	Excellent Powder for this Bullet							Max Load-- 57390 PSI PT2
2/6/13	225#13 HP	70/RL 7	Fed 215	2822	2807	15	2814	Excellent--No Talon Tip
2/6/13	225#13 HP	72/RL 7	Fed 215	2926	2912	13	2919	Excellent--No Talon Tip
2/6/13	225#13 HP	72/RL 7	Fed 215	2935	2917	17	2926	Ext Exc Max - Talon Tip
	Excellent Powder for this bullet							Max Load
2/9/13	225#13 HP	65/RL 10X	Fed 215	2643	2631	12	2637	
2/9/13	225#13 HP	68/RL 10X	Fed 215	2729	2707	22	2718	
2/9/13	225#13 HP	72/RL 10X	Fed 215	2865	2854	11	2860	Excellent
2/9/13	225#13 HP	73/RL 10X	Fed 215	2890	2879	11	2884	Max Safe Load
2/9/13	225#13 HP	73/RL 10X	Fed 215	2910	2889	21	2901	Max Safe Load
	RL 10X Gave plenty of muzzle Flash!							
325 BBW#13 NonCon HP--Match to 350 BBW#13 Solid								
2/11/13	325#13 HP	72/IMR 8208	Fed 215	2468	2460	8	2465	VVVExc--New Brass X3
2/11/13	325#13 HP	72/IMR 8208	Fed 215	2500	2480	20	2489	VVVExc--Fired Brass X3
350 BBW#13 Solid								
2/11/13	350 #13 Solid	70/IMR 8208	Fed 215	2348	2342	6	2345	VVVExc--New Brass X3
2/11/13	350 #13 Solid	70/IMR 8208	Fed 215	2370	2366	4	2368	VVVExc--Fired Brass X3
2/12/13	350 #13 Solid	73/AA 2520	Fed 215	2367	2358	9	2362	VVVExc--Fired Brass X3
370 BBW#13 NonCon HP---Match to 400 BBW#13 Solid								
2/12/13	370 #13 HP	74/WW 748	Fed 215	2324	2311	12	2317	VVVExc--Fired Brass X3
400 BBW#13 Solid								
2/12/13	400 #13 Solid	74/WW 748	Fed 215	2298	2282	16	2287	VVVExc--Fired Brass X3

20 Inch Rifle									
300 BarnesX		78/AA 2520	Fed 215	2666	2624	42	2644	Pressure 63896 PSI	
		Pressure Trace PSI		66152	61640	4511	63896		
350 BarnesX		73/AA 2520	Fed 215	2438	2421	17	2427	Pressure 63171 PSI	
		Pressure Trace PSI		63896	61640	2255	63171		
350BarSolFN		72/AA 2520	Fed 215	2406	2396	10	2402	Pressure 57827 PSI	
		Pressure Trace PSI		58095	57451	644	57827		
350BarSolFN		73/AA 2520	Fed 215	2485	2568	17	2476	Pressure 64799 PSI	
		Pressure Trace PSI		67441	62607	4834	64799		
350 Swift A		73/AA 2520	Fed 215	2412	2402	10	2407	Pressure 60566 PSI	
		Pressure Trace PSI		61318	60029	1289	60566		
400HornBond		68/AA 2520	Fed 215	2258	2246	13	2252	Pressure 62027 PSI	
		Pressure Trace PSI		62929	61318	1611	62027		
400HornBond		74/WW 748	Fed 215	2311	2307	4	2307	Pressure 61157 PSI	
		Pressure Trace PSI		62929	59384	3545	61157		
400 Swift A		73/WW 748	Fed 215	2272	2269	3	2270	Pressure 65427 PSI	
		Pressure Trace PSI		65991	64863	1127	65427		
400 WoodSP		74/WW 748	Fed 215	2318	2297	21	2307	Pressure 62446 PSI	
		Pressure Trace PSI		62929	61962	966	62446		