

Bill Barrett Corp. : 24 Stage Frac Job with 24 Ball Drop **iball** Sleeves

Company Bill Barrett Corp.			Other Relative Frac String Information		
Location Dutch Lake 8-10H			Top of PBR	5,995	MD (ft)
Prepared For Bob O'Donovan		Phone	Hanger Setting Depth	6,015	MD (ft)
Service Rep Riley Hume		Sales Rep	Open Hole Size	6 1/8	(in)
Service Center Longmont, CO		Date 5-Nov-13	Total Measured Depth	11,155	MD (ft)



Intermediate Casing		
Size	7	in
Weight	26.00	lbs/ft
Grade	P-110	
Burst	9,960	psi
Shoe	6,790	MD (ft)
Capacity	0.03826	bbls/ft

Liner		
Size	4 1/2	in
Weight	11.60	lbs/ft
Grade	P-110	
Burst	10,690	psi
Collapse	7,560	psi
Capacity	0.01554	bbls/ft

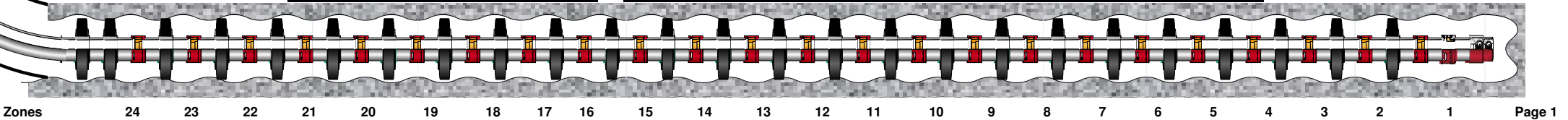
Tie Back String		
Size	NA	in
Weight	NA	lbs/ft
Grade	NA	
Burst	NA	psi
Collapse	NA	psi
Capacity	NA	bbls/ft

Frac Sleeve Information		
Zone	Ball Seat ID (in)	Ball Size (in)
1	Toe Sleeve.	HYD.
1	2.950	3.310
2	2.950	3.310
3	2.950	3.310
4	2.950	3.310
5	2.950	3.310
6	2.950	3.310
7	2.950	3.310
8	2.950	3.310
9	2.950	3.310
10	2.950	3.310
11	2.950	3.310
12	2.950	3.310
13	2.950	3.310
14	2.950	3.310
15	2.950	3.310
16	2.950	3.310
17	2.950	3.310
18	2.950	3.310
19	2.950	3.310
20	2.950	3.310
21	2.950	3.310

Depth and Displacement Information				
Zone	Packer Depth (ft)	Sleeve Depth (ft)	Sleeve Disp. (bbls)	Length of Zone (ft)
1		11,098	308.7	
1	10,991	11,045	307.9	164
2	10,761	10,856	304.9	230
3	10,613	10,708	302.6	148
4	10,423	10,518	299.7	189
5	10,233	10,330	296.7	190
6	10,041	10,136	293.7	192
7	9,888	9,986	291.4	153
8	9,698	9,795	288.4	190
9	9,504	9,601	285.4	194
10	9,352	9,408	282.4	152
11	9,159	9,257	280.1	193
12	8,967	9,064	277.1	192
13	8,815	8,871	274.1	152
14	8,622	8,717	271.7	193
15	8,431	8,527	268.7	191
16	8,276	8,332	265.7	155
17	8,080	8,177	263.3	196
18	7,883	7,981	260.2	196
19	7,728	7,784	257.2	155
20	7,532	7,630	254.8	197
21	7,334	7,432	251.7	198

Notes:	
1	iball Frac Sleeves Pinned to 3000 psi
2	Toe Sleeve Pinned to 3400 psi
3	Swell Packer Type: OIL
4	Tested Liner Top Packer to 2000 psi for 15min
5	7in. Shoe @ 6790 MD (ft)
6	TVD @ 6550'
7	KOP @ 6005'

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Tie Back String		
Size	NA	in
Weight	NA	lbs/ft
Grade	NA	
Burst	NA	psi
Collapse	NA	psi
Capacity	NA	bbls/ft

Frac Sleeve Information		
Zone	Ball Seat ID (in)	Ball Size (in)
22	2.950	3.310
23	2.950	3.310
24	2.950	3.310
25		
26		
27		
28		
29		
30		
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40		
41		
42		
43		

Depth and Displacement Information				
Zone	Packer Depth (ft)	Sleeve Depth (ft)	Sleeve Disp. (bbls)	Length of Zone (ft)
22	7,180	7,276	249.3	154
23	6,985	7,082	246.3	195
24	6,831	6,887	243.2	154
25	6,790	7" CASING SHOE		
26	6,734	PACKER SET INSIDE 7" CASING		
27				
28				
29				
30				
31				
32				
33				
34				
35				
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39				
40				
41				
42				
43				

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