

Bill Barrett : 25 Stage Frac Job with 25 XLC Ball Drop Sleeves

Company Bill Barrett			Other Relative Frac String Information		
Location Helton 5-63-27-3340 CDH			Top of PBR	5,988	MD (ft)
Prepared For Kim Gritz	Phone		Hanger Setting Depth	6,008	MD (ft)
Service Rep Joshua Blankenship	Sales Rep Andy Long		Open Hole Size	6 1/8	(in)
Service Center Longmont	Date 30-Jan-14		Total Measured Depth	11,064	MD (ft)



Intermediate Casing		
Size	7	in
Weight	26.00	lbs/ft
Grade	P-110	
Burst	9,960	psi
Shoe	6,991	MD (ft)
Capacity	0.03826	bbbls/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	bbbls/ft

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

Frac Sleeve Information		
Zone	Ball Seat ID (in)	Ball Size (in)
	Toe Sleeve.	HYD.
1	1.406	1.453 #14
2	1.463	1.510 #15
3	1.520	1.570 #16
4	1.580	1.632 #17
5	1.642	1.696 #18
6	1.706	1.762 #19
7	1.772	1.830 #20
8	1.840	1.900 #21
9	1.910	1.973 #22
10	1.983	2.048 #23
11	2.058	2.126 #24
12	2.136	2.206 #25
13	2.216	2.288 #26
14	2.298	2.374 #27
15	2.384	2.462 #28
16	2.472	2.553 #29
17	2.563	2.647 #30
18	2.657	2.744 #31
19	2.754	2.845 #32
20	2.855	2.948 #33
21	2.958	3.055 #34

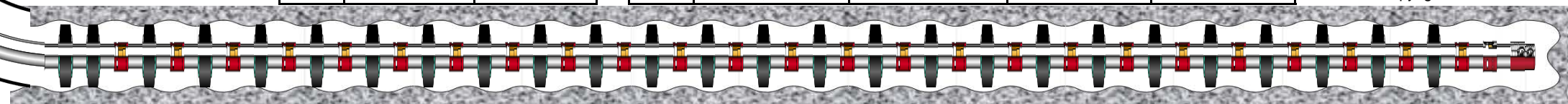
Depth and Displacement Information				
Zone	Packer Depth (ft)	Sleeve Depth (ft)	Sleeve Disp. (bbbls)	Length of Zone (ft)
1		11,021	307.3	
1	10,884	10,973	306.6	180
2	10,730	10,813	304.1	154
3	10,560	10,656	301.6	170
4	10,409	10,509	299.3	151
5	10,268	10,324	296.5	142
6	10,075	10,174	294.1	193
7	9,924	10,023	291.8	151
8	9,774	9,830	288.8	151
9	9,607	9,694	286.7	166
10	9,433	9,523	284.0	174
11	9,300	9,350	281.3	133
12	9,121	9,211	279.2	179
13	8,975	9,027	276.3	146
14	8,781	8,881	274.1	194
15	8,631	8,729	271.7	150
16	8,489	8,541	268.8	142
17	8,312	8,401	266.6	177
18	8,168	8,224	263.8	144
19	7,985	8,077	261.6	184
20	7,838	7,894	258.7	147
21	7,651	7,750	256.5	187

Notes:

- 1 XLC Frac Sleeves Pinned to 2000 PSI
- 2 Toe Sleeve Pinned to 3400 PSI
- 3 Swell Packer Type: OIL
- 4 Tested Liner Top Packer to 2000 PSI FOR 15 MINUTES
- 5 7in. Shoe @ 6991 MD (ft)
- 6 KOP @ 6094
- 7 NO TIE BACK RAN AT THIS TIME



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Zones

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Size	NA	in
Weight	NA	lbs/ft
Grade	NA	
Burst	NA	psi
Collapse	NA	psi
Capacity	NA	bbbls/ft

Frac Sleeve Information		
Zone	Ball Seat ID (in)	Ball Size (in)
22	3.065	3.166 #35
23	3.176	3.280 #36
24	3.290	3.398 #37
25	3.408	3.520 #38
26		
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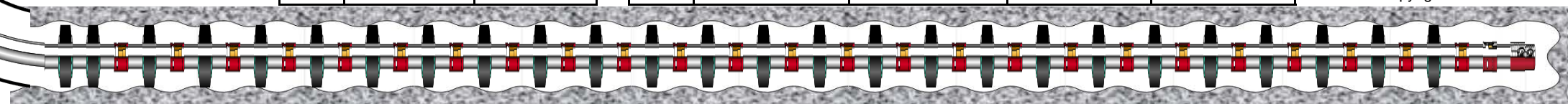
Depth and Displacement Information				
Zone	Packer Depth (ft)	Sleeve Depth (ft)	Sleeve Disp. (bbbls)	Length of Zone (ft)
22	7,516	7,599	254.1	135
23	7,339	7,422	251.4	178
24	7,189	7,244	248.6	150
25	7,044	7,094	246.3	145
26	6,991	7" SHOE		53
27	6,951	PACKER SET INSIDE 7"		40
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