FracPoint Space Out Diagram

BILL BARRETT CORPORATION 70 RANCH5-63-27-48H J. NIELSEN 8-22-12

Baker Oil Tools

Casing Information		
7" 26# P-110		
Burst=	9,960	psi
Collapse=	6,230	psi
Capacity=	0.03820	bbls/ft

Liner Information		
4-1/2" 11.60# P-110		
Burst=	10,690	psi
Collapse=	7,580	psi
Capacity=	0.01554	bbls/ft

Displacements	BBLS	GALS
Liner Top	86.90	3,650
3.500" SLV	107.64	4,521
3.375" SLV	110.80	4,654
3.250" SLV	113.91	4,784
3.125" SLV	117.06	4,917
3.000" SLV	120.91	5,078
2.875" SLV	124.06	5,211
2.750" SLV	127.22	5,343
2.625" SLV	130.38	5,476
2.500" SLV	133.54	5,609

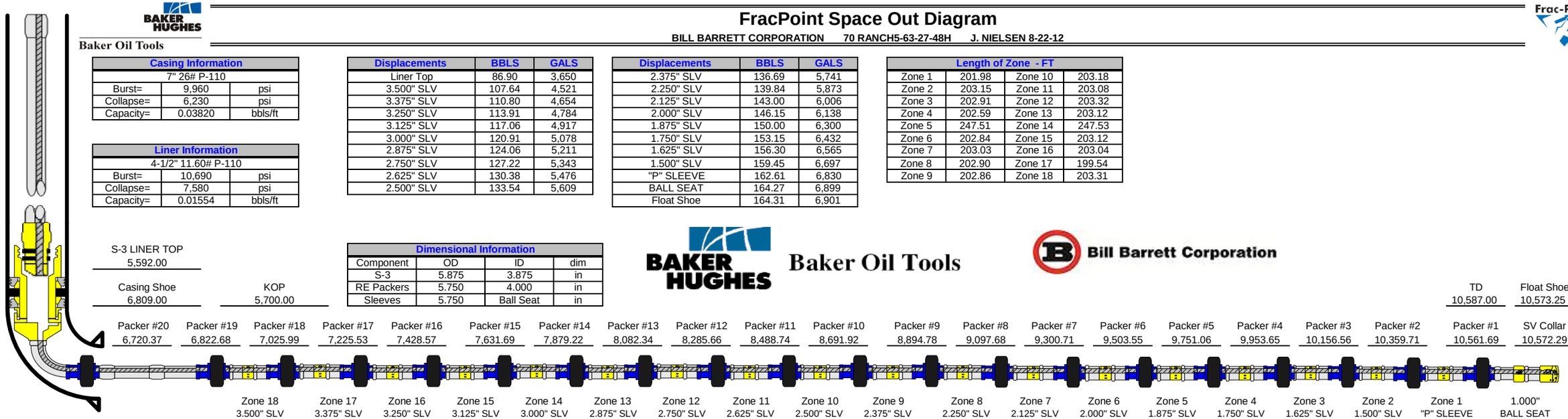
Displacements	BBLS	GALS
2.375" SLV	136.69	5,741
2.250" SLV	139.84	5,873
2.125" SLV	143.00	6,006
2.000" SLV	146.15	6,138
1.875" SLV	150.00	6,300
1.750" SLV	153.15	6,432
1.625" SLV	156.30	6,565
1.500" SLV	159.45	6,697
"P" SLEEVE	162.61	6,830
BALL SEAT	164.27	6,899
Float Shoe	164.31	6,901

Length of Zone - FT			
Zone 1	201.98	Zone 10	203.18
Zone 2	203.15	Zone 11	203.08
Zone 3	202.91	Zone 12	203.32
Zone 4	202.59	Zone 13	203.12
Zone 5	247.51	Zone 14	247.53
Zone 6	202.84	Zone 15	203.12
Zone 7	203.03	Zone 16	203.04
Zone 8	202.90	Zone 17	199.54
Zone 9	202.86	Zone 18	203.31

Dimensional Information			
Component	OD	ID	dim
S-3	5.875	3.875	in
RE Packers	5.750	4.000	in
Sleeves	5.750	Ball Seat	in

Baker Oil Tools

Bill Barrett Corporation



S-3 LINER TOP	5,592.00
Casing Shoe	6,809.00
KOP	5,700.00
TD	10,587.00
Float Shoe	10,573.25

Packer #20	Packer #19	Packer #18	Packer #17	Packer #16	Packer #15	Packer #14	Packer #13	Packer #12	Packer #11	Packer #10	Packer #9	Packer #8	Packer #7	Packer #6	Packer #5	Packer #4	Packer #3	Packer #2	Packer #1	SV Collar
6,720.37	6,822.68	7,025.99	7,225.53	7,428.57	7,631.69	7,879.22	8,082.34	8,285.66	8,488.74	8,691.92	8,894.78	9,097.68	9,300.71	9,503.55	9,751.06	9,953.65	10,156.56	10,359.71	10,561.69	10,572.29

	Zone 18	Zone 17	Zone 16	Zone 15	Zone 14	Zone 13	Zone 12	Zone 11	Zone 10	Zone 9	Zone 8	Zone 7	Zone 6	Zone 5	Zone 4	Zone 3	Zone 2	Zone 1	1.000"
	3.500" SLV	3.375" SLV	3.250" SLV	3.125" SLV	3.000" SLV	2.875" SLV	2.750" SLV	2.625" SLV	2.500" SLV	2.375" SLV	2.250" SLV	2.125" SLV	2.000" SLV	1.875" SLV	1.750" SLV	1.625" SLV	1.500" SLV	"P" SLEEVE	BALL SEAT
	6,926.96	7,130.24	7,329.83	7,532.95	7,780.39	7,983.41	8,186.59	8,389.95	8,593.08	8,796.16	8,998.97	9,202.06	9,404.77	9,652.31	9,855.30	10,057.82	10,260.87	10,464.16	10570.94
Sleeve Shift PSI:	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(6) 2286	(5) 4025	
Max Rate **Thru** Sleeve:	100	100	100	100	100	100	100	100	100	100	100	100	100	90	70	60	50	50	