Baker Oil Tools

FracPoint Space Out Diagram

BILL BARRETT CORPORATION **70 Ranch 4-63-3-4956CH**

Frac-Point

Casing Information		
7" 26# P-110		
Burst=	9,960	psi
Collapse=	6,230	psi
Capacity=	0.03826	bbls/ft

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

Displacements	BBLS	GALS
Liner Top	248.54	10,439
3.625" SLV	256.53	10,774
3.500" SLV	260.70	10,950
3.375" SLV	264.98	11,129
3.250" SLV	269.23	11,308
3.125" SLV	272.82	11,459
3.000" SLV	276.26	11,603
2.875" SLV	279.66	11,746
2.750" SLV	282.98	11,885
2.625" SLV	286.44	12,030

Displacements	BBLS	GALS
2.500" SLV	289.90	12,176
2.438" SLV	293.34	12,320
2.375" SLV	296.83	12,467
2.313" SLV	300.16	12,607
2.250" SLV	303.54	12,749
2.188" SLV	306.96	12,892
2.125"" SLV	310.57	13,044
2.063" SLV	314.25	13,198
2.000+"P" SLV	317.36	13,329
BALL SEAT	317.48	13,334
Float Shoe	318.21	13,365

Length of Zone - FT			
Zone 1	178.40	Zone 10	219.80
Zone 2	238.55	Zone 11	214.46
Zone 3	232.59	Zone 12	219.04
Zone 4	228.67	Zone 13	220.92
Zone 5	213.27	Zone 14	226.83
Zone 6	220.43	Zone 15	231.43
Zone 7	218.35	Zone 16	273.26
Zone 8	217.71	Zone 17	275.47
Zone 9	229.82	Zone 18	308.62

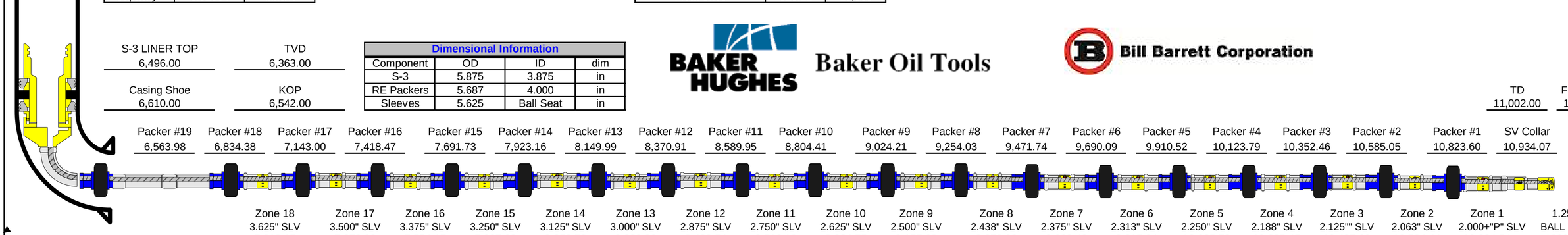
S-3 LINER TOP	TVD
6,496.00	6,363.00
Casing Shoe	**KOP**
6,610.00	6,542.00

Dimensional Information			
Component	OD	ID	dim
S-3	5.875	3.875	in
RE Packers	5.687	4.000	in
Sleeves	5.625	Ball Seat	in

BAKER HUGHES Baker Oil Tools

Bill Barrett Corporation

TD 11,002.00 | Float Shoe 10,979.48



	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
	6,563.98	6,834.38	7,143.00	7,418.47	7,691.73	7,923.16	8,149.99	8,370.91	8,589.95	8,804.41	9,024.21	9,254.03	9,471.74	9,690.09	9,910.52	10,123.79	10,352.46	10,585.05	10,823.60	10,934.07

	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	1.250"
	3.625" SLV	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	2.438" SLV	2.375" SLV	2.313" SLV	2.250" SLV	2.188" SLV	2.125"" SLV	2.063" SLV	2.000+"P" SLV	BALL SEAT
	7,010.17	7,278.93	7,554.17	7,827.60	8,058.78	8,280.30	8,498.54	8,712.19	8,934.75	9,157.68	9,379.08	9,603.48	9,817.84	10,035.73	10,255.45	10,487.60	10,724.44	10,924.54	10932.74
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	

7.5.1-1F4 Frac-Point Space Out Diagram