



FracPoint Space Out Diagram

BILL BARRETT CORPORATION DUTCH LAKE 16-24H API# 05-123-33411

Baker Oil Tools

Casing Information		
7" 26# P-110		
Burst=	8,160	psi
Collapse=	7,030	psi
Capacity=	0.03820	bbls/ft

Liner Information		
4-1/2" 11.60# HCP-110		
Burst=	7,780	psi
Collapse=	6,310	psi
Capacity=	0.01554	bbls/ft

Displacements	BBLS	GALS
Liner Top	213.58	8,970
3.500" SLV	232.20	9,752
3.375" SLV	235.36	9,885
3.250" SLV	238.51	10,018
3.125" SLV	241.66	10,150
3.000" SLV	245.51	10,311
2.875" SLV	248.66	10,444
2.750" SLV	251.13	10,548
2.625" SLV	254.29	10,680
2.500" SLV	258.14	10,842

Displacements	BBLS	GALS
2.375" SLV	261.99	11,003
2.250" SLV	265.83	11,165
2.125" SLV	268.29	11,268
2.000" SLV	271.45	11,401
1.875" SLV	274.61	11,534
1.750" SLV	277.78	11,667
1.625" SLV	284.93	11,967
1.500" SLV	284.78	11,961
"P" SLEEVE	287.94	12,094
BALL SEAT	289.50	12,159
Float Shoe	289.57	12,162

Length of Zone - FT			
Zone 1	203.38	Zone 10	243.72
Zone 2	247.75	Zone 11	162.95
Zone 3	203.47	Zone 12	203.00
Zone 4	203.34	Zone 13	147.30
Zone 5	203.40	Zone 14	302.92
Zone 6	202.87	Zone 15	202.93
Zone 7	158.63	Zone 16	203.15
Zone 8	291.89	Zone 17	203.23
Zone 9	203.06	Zone 18	146.51

Dimensional Information			
Component	OD	ID	dim
S-3	5.875	3.875	in
RE Packers	5.750	4.000	in
Sleeves	5.630	Ball Seat	in



Baker Oil Tools



Bill Barrett Corporation

S-3 LINER TOP
5,591.13

Casing Shoe
6,664.00

KOP
5,717.00

TD
10,484.00

Float Shoe
10,481.00

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
6,540.64	6,687.15	6,890.38	7,093.53	7,296.46	7,599.38	7,746.68	7,949.68	8,112.63	8,356.35	8,559.41	8,851.30	9,009.93	9,212.80	9,416.20	9,619.54	9,823.01	10,070.76	10,274.14	10,477.76

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
6,789.26	6,992.56	7,195.48	7,398.28	7,645.57	7,848.67	8,007.65	8,211.02	8,458.42	8,705.97	8,953.33	9,111.78	9,315.09	9,518.58	9,722.03	10,182.54	10,173.10	10,376.28	10476.41
(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	
100	100	100	100	100	100	100	100	100	100	100	100	90	70	60	50	50	50	

Sleeve Shift PSI:
Max Rate **Thru** Sleeve:

7.5.1-1F4 Frac-Point Space Out Diagram