



FracPoint Space Out Diagram

BILL BARRETT CORPORATION

WELL NUMBER: Dutch Lake 17-25H

JS-AB 4/17/13



Baker Oil Tools

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	353.30	14,839
3.500" SLV	372.28	15,636
3.375" SLV	375.21	15,759
3.250" SLV	378.77	15,908
3.125" SLV	382.36	16,059
3.000" SLV	385.29	16,182
2.875" SLV	388.84	16,331
2.750" SLV	392.59	16,489
2.625" SLV	395.71	16,620
2.500" SLV	399.36	16,773

Displacements	BBLS	GALS
2.375" SLV	402.49	16,904
2.250" SLV	404.07	16,971
2.125" SLV	409.38	17,194
2.000" SLV	412.65	17,331
1.875" SLV	416.34	17,486
1.750" SLV	419.40	17,615
1.625" SLV	423.04	17,768
1.500" SLV	426.06	17,895
"P" SLEEVE	429.74	18,049
BALL SEAT	430.48	18,080
Float Shoe	431.23	18,111

Length of Zone - FT		
Zone 1	236.68	Zone 10 232.79
Zone 2	233.73	Zone 11 198.13
Zone 3	195.15	Zone 12 221.21
Zone 4	238.23	Zone 13 229.30
Zone 5	188.96	Zone 14 230.30
Zone 6	238.59	Zone 15 189.05
Zone 7	207.47	Zone 16 228.99
Zone 8	-71,766.17	Zone 17 227.07
Zone 9	72,202.82	Zone 18 94.85

S-3 LINER TOP

5,631.47

TVD

6,223.00

Casing Shoe

6,678.00

KOP

5,954.00

0

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 Oil Tools



Bill Barrett Corporation

TD 10,651.00
Float Shoe 10,646.00

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
6,625.90	6,720.75	6,947.82	7,176.81	7,365.86	7,596.16	7,825.46	8,046.67	8,244.80	8,477.59	80,680.41	8,914.24	9,121.71	9,360.30	9,549.26	9,787.49	9,982.64	10,216.37	10,453.05	10,599.79

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"
3.500" 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
6,853.11	7,041.27	7,270.55	7,501.39	7,689.80	7,918.38	8,159.89	8,360.31	8,595.23	8,796.60	8,898.31	9,240.37	9,450.82	9,688.38	9,885.01	10,119.47	10,313.75	10,550.41	10598.19
(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	100	90	70	60	50	50	

Sleeve Shift PSI:

Max Rate Thru Sleeve:

7.5.1-1F4 Frac-Point Space Out Diagram