

SC12QF2M	0.000	0.000	0.000	0.0	0.0	0.0
1	-6.3030	11.2452	16.2051			
2	6.2986	11.2546	16.2075			
3	-6.3419	-11.2537	16.2014			
4	6.3218	<u>-11.2508</u>	16.2036			
5	-5.1773	-15.2018	-4.9719			
6	4.6957	-15.2015	-4.8144			

SC12ID1M	0.000	0.000	0.000	0.0	0.0	0.0
1	0.000	11.971	16.504			
2	0.000	12.000	16.444			
3	0.000	11.962	-14.522			
4	0.000	11.997	-14.889			
5	0.000	0.000	0.000			
6	0.000	-34.032	16.004			
7	0.000	-37.411	17.972			

SC12ID2M	0.000	0.000	0.000	0.0	0.0	0.0
----------	-------	-------	-------	-----	-----	-----

SC13 M	0.000	0.000	0.000	0.0	0.0	0.0
--------	-------	-------	-------	-----	-----	-----

SC13QF1M	0.000	0.000	0.000	0.0	0.0	0.0
1	-6.3135	11.2446	16.1989			
2	6.3192	11.2517	16.2020			
3	-6.3190	<u>-11.2450</u>	16.2012			
4	6.3556	-11.2455	16.2016			
5	-5.2119	-15.2008	-4.7236			
6	4.5247	-15.2014	-4.7261			

# BLS ID Chambers

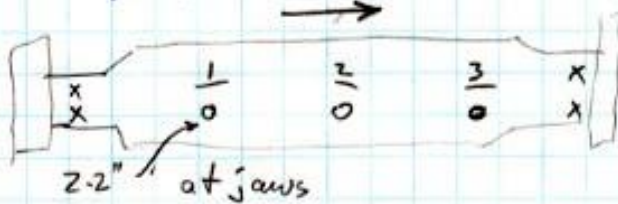
11-4-03  
MPJM MR

Y

U/S	A	B	C	D	E
HI	16.233	16.233	16.233	16.233	16.233
Val	<u>2.911</u>	<u>-0.709</u>	<u>5.989</u>	<u>6.008</u>	<u>2.919</u>
	13.322	16.942	10.244	10.225	13.314
Ft	1	1	1	1	1
S/R	12.322 ✓	15.942 ✓	9.244	9.225 ✓	12.314 ✓
Read	12.429	16.040	9.317	9.274	12.335
	-0.107	-0.098	-0.073	-0.049	-0.021

U/S	1	2	4	5
HI	16.233	16.233	16.233	16.233
Val	<u>-0.612</u>	<u>2.933</u>	<u>6.042</u>	<u>2.956</u>
	16.845	13.300	10.191	13.277
Ft	1	1	1	1
S/R	15.845 ✓	12.300 ✓	9.191 ✓	12.277
	15.813	12.268	9.212	12.348
	+0.032	+0.032	-0.021	-0.071

Chamber Profile



1	2	3
16.233	16.233	16.233
<u>7.5</u>	<u>7.5</u>	<u>7.5</u>
8.733 ✓	8.733 ✓	8.733 ✓
8.783	8.773	8.740
-0.050	-0.040	-0.007

28  
11/03

# BLSID Pump Chambers

11-03-03  
MP JM MR

X

Far V 4.990  
Near V 4.990  
1 Far 37.600  
1 Near 37.865  
2 Far 39.500  
2 Near 38.350  
s/R 37.956  
LOS 42.946 ✓

Chamber X u/s 6.455 3.228  
o/s 6.495 3.248

SM12 QF24  
42.946  
30.711  
+ 1  
31.711

SM13 QF13  
42.946  
30.693  
1  
31.693

Fd 11.235 11.251 Val

11.253 11.245 Val

+0.016 Chamber F1

-0.008

u/s	chamber	Rect	
42.946		o/s	LOS
3.228		3.248	1/2 W
1		1	
38.718 ✓		38.698 ✓	

u/s	o/s	LOS
42.946	42.946	LOS
4.990	4.990	1/2 F1
37.956 ✓	37.956 ✓	s/R
37.996	38.420	
37.955	37.937	
-0.001	37.948	
	-0.008	

u/s chamber

A  
42.946  
9.809  
33.137  
1  
32.137 ✓  
32.132  
-0.005

Z  
42.946  
9.729  
33.217  
1  
32.217 ✓  
32.159  
-0.058

22  
11/03

# BL5 ID Pump Chambers

11-3-03  
MP MR JM

y		%		%			
+	-	+	-	+	-	+	-
16.233	16.233	16.233	16.233				
1.5	1.5	1.5	1.5				
14.733	14.733	14.733	14.733	s/R			
14.728	14.732	14.743	14.739				
14.738	14.743	14.743	14.743				
14.754	14.756	14.736	14.736				
-0.021	-0.023	-0.003	-0.003				

SM12FB	SM13F5
574.71319	574.72067
575.7911	575.7911
-42.437	-42.143
40.750	40.750
17.923	17.623
16.236	16.230
16.233	

Quads

F1	%	%
16.233	16.233	16.233
4.990	4.990	4.990
11.243	11.243	11.243
11.245	11.214	11.214
-0.002	-0.029	-0.029

chamber α % 6.455  
% 6.495

## Wiggler Ball

IDFI	%	%	#I	2	1
16.233	16.233	16.233	Val	16.233	16.233
4.990	4.990	4.990		16.444	16.504
11.243	11.243	11.243		-0.211	-0.271
11.322	11.271	11.271	s/R	0.250	0.250
-0.079	11.268	11.268	Read	+0.039	-0.021
	-0.025	-0.025		0.025	-0.010
				+14	+11

28  
1103

# BLS ID Pump Chambers

11-3-03  
MP MR JM

1/2		0/5	
+	-	+	-
16.233	16.233	16.233	16.233
<u>1.5</u>	<u>1.5</u>	<u>1.5</u>	<u>1.5</u>
14.733	14.733	14.733	14.733 s/R
14.728	14.732	14.743	14.739
14.738	14.743	14.743	14.743
14.754	14.756	14.736	14.736
-0.021	-0.023	-0.003	-0.003

SM12FE	SM13F5
574.71319	574.72067
575.7911	575.7911
-42.437	-42.143
40.750	40.750
17.923	17.623
16.236	16.230
16.233	16.233

Quads

F1 1/5	0/5
16.233	16.233
<u>4.990</u>	<u>4.990</u>
11.243	11.243
11.245	11.214
-0.002	-0.029

chamber α 1/5 6.455  
0/5 6.495

## Wiggler Ball

IDFI 1/5	0/5
16.233	16.233
<u>4.990</u>	<u>4.990</u>
11.243	11.243
11.322	11.271
-0.079	-0.025

	2	1
#I	16.233	16.233
Val	16.444	16.504
	-0.211	-0.271
	0.250	0.250
s/R	+0.039	-0.021
Read	0.025	-0.010
	+14	+11

28  
1103