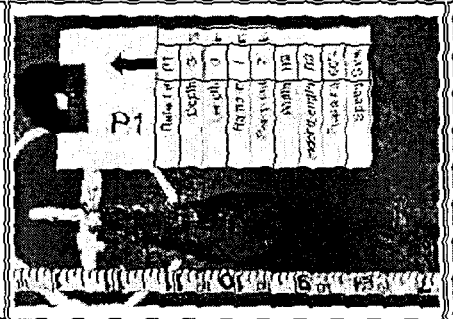
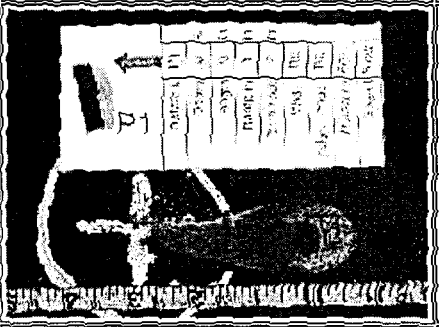
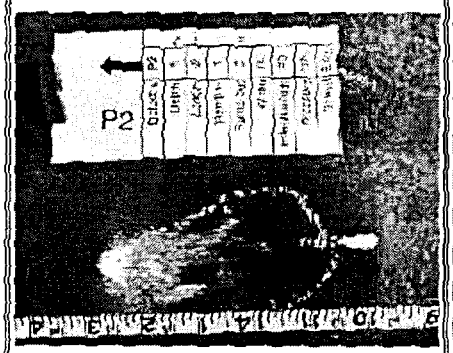
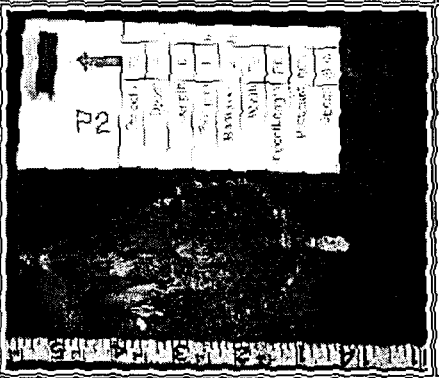
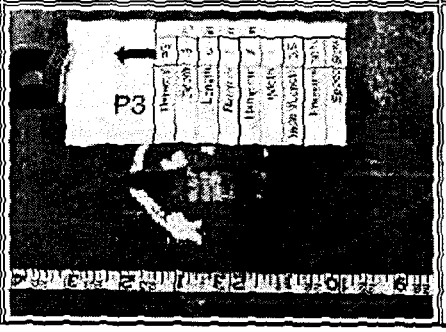
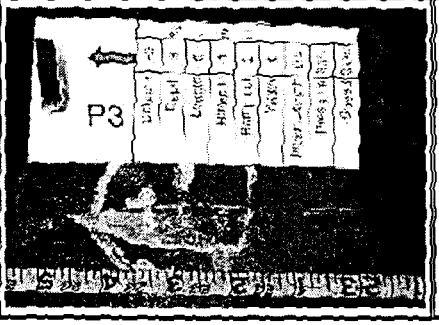
Defect Set 4 - Practice Defects
Photographs *and* MPI *Results*

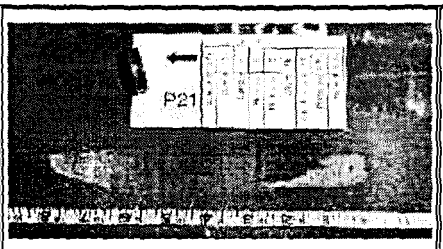
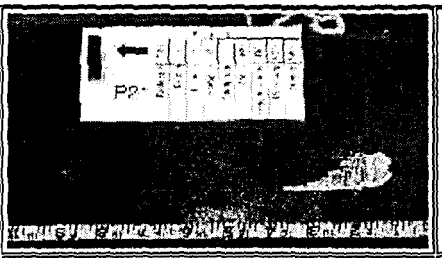
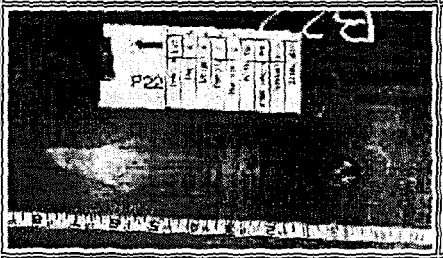
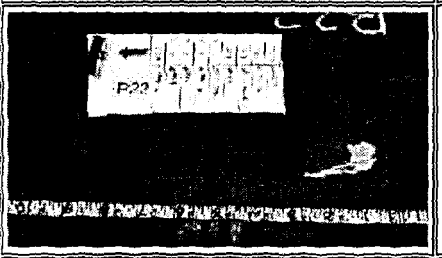
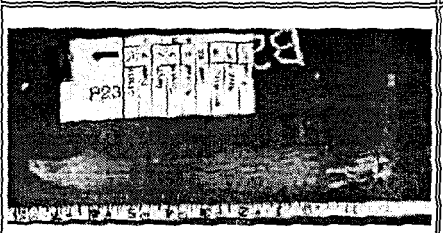
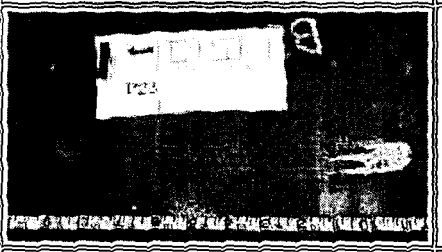
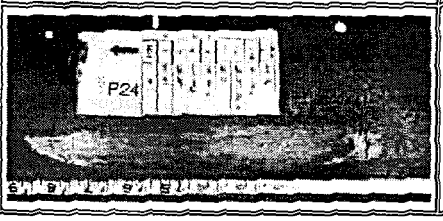
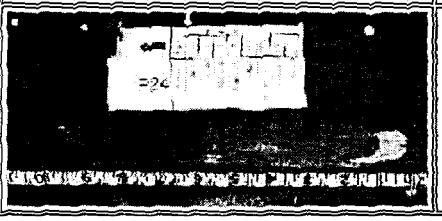
This defect set was used in the pull *rig. Fur a layout map* of the defects, click here. For a description of the *variables included in this* table, *see* the legend at the bottom of this page. *opens a video* clip of the defect installation.

#	Pic Link	MPI Link	D	L	FB	RI	RO	W	IL	P	S
P01			3	3	0	1	2	0%	0%	60%	S
P02			6	3	0	1	2	0%	0%	60%	S
P03			3	3	0	1	2	1	0.5	60%	S

P04
P04R
P05
P06
P07
P08
P4
P4R
P5
P6
P7
P8
3
7
4
1
2
10%
10%
60%
S
3
7
4
1
2
10%
10%
60%
S
1
8
4
2
2
1
0.5
60%
S
2
8
4
2
2
1
0.5
60%
S
1
8
3
3
2
1
0.5
60%
S
1
8
4
2
2
1
1
60%
S

P09			2	8	4	2	2	1	1	60%	S
P10			3	8	4	2	2	1	1	60%	S
P11			3	8	0	4	4	1	1	60%	S
P12			3	8	0	4	4	1	1	60%	S
P13			3	8	0	4	4	1	1	60%	S
P14			3	8	2	3	3	1	1	60%	S

P15			1	8	2	3	3	1	1	60%	S
P16			2	8	2	3	3	1	1	60%	S
P17			3	8	2	3	3	1	1	60%	F
P18			3	8	4	2	2	1	1	60%	S
P19			2	8	4	2	2	0%	0%	60%	S
P20			2	8	4	2	2	0%	0%	60%	S

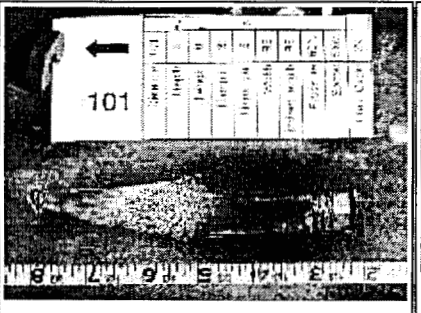
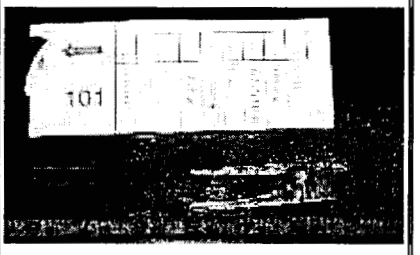
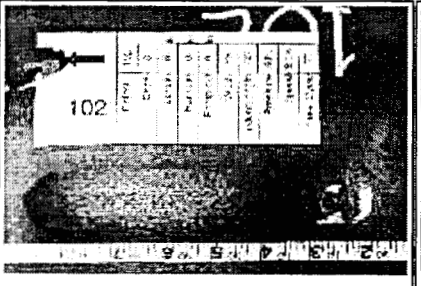
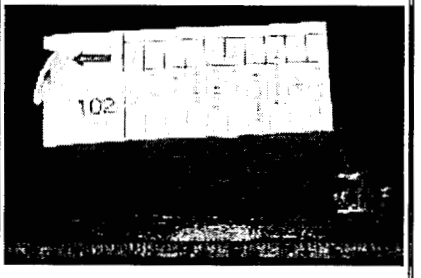
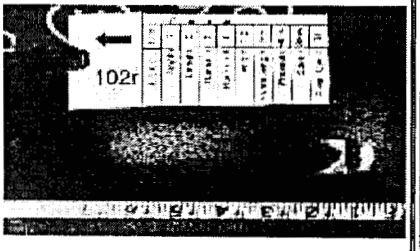
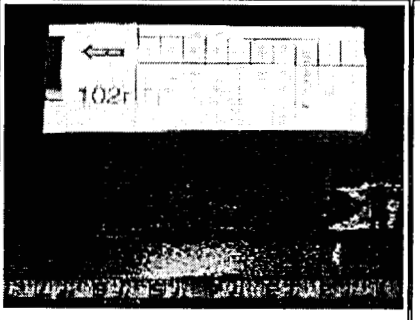
P21			3	8	4	2	2	0%	0%	60%	S
P22			4	8	4	2	2	0%	0%	60%	S
P23			3	10	6	2	2	0%	0%	60%	S
P24			3	10	6	2	2	0%	0%	60%	F

Legend:

- # = Defect # is an arbitrary number identifying each defect
- D = Depth is the dent depth in percent of the diameter.
- L = Overall Length is the total length of the gouge in inches.
- FB = Flat *Bottom* Length *is* the length *of* the flat bottom portion of the gouge in inches.
- RI = Ramp In and RO = Ramp Out are the distances on either *side* of the flat bottom used to ramp the indentor into and out of the pipe (the overall gouge length is the sum of the flat bottom length and the ramp in and ramp *out* lengths).
- IW = Indentor Width and IL = Indentor Length are the footprint dimensions of the indentor in inches; where x% is shown, the indentor was a 4-inch sphere with a sharp protruding cutter that extended x% of the wall thickness.
- P = Pressure is the internal pipe pressure in percent of specified minimum yield strength.
- S = Speed refers to the rate of axial movement of the indentor (S is 1 inch per second; F *is* 5 inches per second).

Defect Set 5 - Pull Rig Defects
Photographs and MPI Results

This defect set was used in the pull rig. For a layout map of the defects, click here. For a description of the variables included in this table, see the legend at the bottom of this page. opens a video clip of the defect installation.

#	Pic Link	MPI Link	D	L	FB	RI	RO	IW	IL	P	S
101			3	6	3	0	3	5%	5%	60%	S
102			3	6	0	6	0	5%	5%	60%	S
102r			3	6	0	6	0	5%	5%	60%	S

102rr			3	6	0	6	0	8%	8%	60%	S
103			3	6	0	6	0	0%	0%	60%	S
104			6	2	0	2	0	0%	0%	60%	S
105			1	4	1	2	1	1	1	60%	S