2250 ci Array
Gun Dropout
Analysis

Drop Elements	Drop Volumes	0-P Amp.	P-Tr Amp	% 0-P	Post Decon Correlation Coefficient	P/B	Accept ?
-	-	40.7	74.1	100	0.99995	-	Y
1	300*	37.2	70.4	91.4	0.99788	38.5	Y
2	160*	38	71.5	93.4	0.99891	37.7	Y
3	115	38.6	72.9	94.8	0.99889	28.3	Y
4	80	39	73.6	95.8	0.99942	24.5	Y
5	55	39.4	74.1	96.8	0.99971	65.3	Y
6	40	39.5	74.2	97.1	0.99983	69.4	Y
1,7	300*,300*	33.7	63.7	82.8	0.98724	14	N
1,8	300*,160*	34.4	64.5	84.5	0.99494	19.5	N
1,9	300*,115	35.1	66.1	86.2	0.99757	46	N
1,10	300*,80	35.5	67.5	87.2	0.99815	47.5	N
1,11	300*,55	35.9	67.9	88.2	0.99777	35.9	N
1,12	300*,40	36	67.8	88.5	0.99771	36.3	N
1,13	300*,300*	33.8	64.2	83	0.98892	15.5	N
1,14	300*,160*	34.4	65	84.5	0.99599	25	N
1,15	300*,115	35.1	66.4	86.2	0.99806	49.9	N
1,16	300*,80	35.5	67	87.2	0.99806	52.8	N
1,17	300*,55	35.9	67.6	88.2	0.99756	33.9	N
1,18	300*,40	36	67.6	88.5	0.99765	35.4	N
2,8	160*,160*	35.1	65.6	86.2	0.9943	19.3	N
2,9	160*,115	35.9	67.2	88.2	0.99572	18.6	N
2,10	160*,80	36.3	67.9	89.2	0.9976	24.8	M
2,11	160*,55	36.6	68.4	89.9	0.99852	48.5	M
2,12	160*,40	36.7	68.2	90.2	0.9983	37.3	Y
2,14	160*,160*	35.2	65.4	86.5	0.99502	18.3	N
2,15	160*,115	35.9	66.8	88.2	0.99681	22.5	N
2,16	160*,80	36.3	67.5	89.2	0.99793	26.3	M
2,17	160*,55	36.6	68	89.9	0.99861	38.1	M

* Elements composed of two gun clusters
M Marginal

Drop Elements	Drop Volumes	0-P Amp.	P-Tr Amp	% 0-P	Post Decon Correlation Coefficient	P/B	Accept ?
3,9	115,115	36.5	68.6	89.7	0.99466	16.5	M
3,15	115,115	36.6	68.3	89.9	0.99487	15.7	M
3,10	115,80	37	69.3	90.9	0.99687	24.4	Y
4,10	80,80	37.3	69.9	91.6	0.99718	17.2	Y
4,16	80,80	37.3	69.5	91.6	0.99726	16.1	Y
5,11	55,55	38	70.8	93.4	0.99868	48.7	Y
5,17	55,55	38	71.4	93.4	0.99867	49.2	Y
6,12	40,40	38.3	71.6	94.1	0.99918	45.8	Y
6,18	40,40	38.3	71.6	94.1	0.99935	67.5	Y
1,2,3	300*,160*,115	32.1	60	78.9	0.99641	37.2	N
1,7,13	300*,300*,300*	30.3	57.6	74.4	0.96562	7.9	N
1,7,14	300*,300*,160*	30.9	58.3	75.9	0.98226	11.4	N
1,7,15	300*,300*,115	31.6	59.8	77.6	0.98864	17.5	N
1,7,16	300*,300*,80	31.9	60.4	78.4	0.98827	15.7	N
1,7,17	300*,300*,55	32.3	60.9	79.4	0.98623	12.9	N
1,7,18	300*,300*,40	32.4	61	79.6	0.98632	13.2	N
1,8,14	300*,160*,160*	31.6	59.1	77.6	0.98858	12	N
1,8,15	300*,160*,115	32.3	60.6	79.4	0.99522	19.2	N
1,8,16	300*,160*,80	32.7	61.3	80.3	0.99485	18.7	N
1,8,17	300*,160*,55	33.1	61.9	81.3	0.99436	17.9	N
1,8,18	300*,160*,40	33.2	61.9	81.6	0.98518	10.8	N
2,8,14	160*,160*,160*	32.3	60.3	79.4	0.99093	14.4	N
2,8,15	160*,160*,115	33	61.9	81.1	0.99244	15.3	N
2,8,16	160*,160*,80	33.4	62.6	82.1	0.99363	19.1	N
2,8,17	160*,160*,55	33.8	63.1	83	0.99315	18.8	N
2,8,18	160*,160*,40	33.9	63.1	83.3	0.98997	13	N
2,9,15	160*,115,115	33.7	63.4	82.8	0.99538	19	N
2,9,17	160*,115,80	34.5	64.6	84.8	0.99454	40.9	N
3,4,16	115,115,80	35	65.2	86	0.9942	21.5	N
3,9,16	115,115,80	34.8	65.5	85.5	0.99215	14.7	N
3,9,17	115,115,55	35.2	66	86.5	0.99412	17.1	N
3,9,18	115,115,40	35.3	66.1	86.7	0.99419	16.7	N

* Elements composed of two gun clusters
M Marginal

Western recommends the following dropout specifications for the 2250in^3 array :

1. If one gun in a cluster fails, the other gun must be turned off.

2. Any single array element, cluster or single gun may be dropped.

3. Any combination of two single guns may be dropped. Two array elements involving a 160in^3 cluster may be dropped as long as the other element is a single gun of volume no greater than 55in^3.

4. No three gun elements may be dropped.