

REMINGTON ARMS COMPANY, INC.

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RESEARCH TEST and MEASUREMENT REPORT - Report No. 82 0361

M/700 FIRE CONTROL EVALUATION AND LUBRICATION TEST  
RELIEVED SEAR SAFETY CAM, TRIGGER AND CONNECTOR

Prepared by: A. Long - F. Supry

Date Prepared: 5-25-82

Proofread and Cleared By:

J.H. Hemmings / R.E. Nightingale,  
Foreman-Test Lab / Foreman-Measurement Lab

James Hemmings 6-2-82  
Signature Date

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Sr. Supervisor - Testing,  
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Robert Ritchie 6/2/82  
Signature Date

TEST & MEASUREMENT LAB REPORT

REPORT NUMBER: 82 0361  
REPORT TITLE: M/700 Fire Control Evaluation and Lubrication Test  
Relieved Sear Safety Cam, Trigger and Connector  
MODEL(S): 700  
GAUGE OR CALIBER: All  
DATE: 5-25-82  
WORK ORDER NO.: C-1803-000  
PART NAME: Fire Control  
DESIGNER/ENGINEER: L.J. Hagen

TEST TYPE:

1. PHOTO LAB
2. STRENGTH TEST - NO. OF GUNS TESTED \_\_\_\_\_
3. FUNCTION TEST - NO. OF GUNS TESTED 15 \_\_\_\_\_
4. ACCURACY TEST - NO. OF GUNS TESTED \_\_\_\_\_
5. MEASUREMENTS - TYPE: Trigger Pull - Sear Lift Engagement \_\_\_\_\_
6. ENVIRONMENTAL TEST
7. AMMUNITION TESTING & EVALUATION - TYPE: \_\_\_\_\_
8. VISUAL EVALUATION - \_\_\_\_\_ OUT OF \_\_\_\_\_ GUN SAMPLE
9. ENDURANCE - NO. OF GUNS TESTED: \_\_\_\_\_

NO. OF ROUNDS PER GUN: \_\_\_\_\_

TOTAL ROUNDS FIRED IN TEST: \_\_\_\_\_

AMMO TYPE: MAGS. \_\_\_\_\_ ; TARGET: \_\_\_\_\_

RIM FIRE \_\_\_\_\_ CENTER FIRE \_\_\_\_\_

REMINGTON ARMS COMPANY, INC.  
Firearms Research Division

May 25, 1982

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TO: J.H. Hennings

FROM: A.J. Long - F. L. Supry

REPORT TITLE: M/700 Fire Control Evaluation and Lubrication Test Relieved Sear Safety Cam, Trigger  
and Connector

ABSTRACT

On 2-5-82 a request was received from Pete Hagen, Research Current Products, to test 15 altered M/700 fire controls.

- A. 10 fire controls have the sear safety cam, trigger and connector relieved by .010".
- B. 5 fire controls have the sear safety cam, trigger and connector relieved by .005".

The test was to be a dry cycle evaluation with inspection at 5000 cycle intervals. WD-40, Du Pont and CRC lubricants were to be used for the test.

SCOPE OF TEST

To compare the 15 altered fire controls and to compare the 3 lubricants.

TEST RESULTS

All 15 fire controls were tested with no malfunctions occurring. No significant differences were noticed.

The three lubricants included in the test performed well. No significant differences were noticed.

REPORT TEXT

Data Sheet No. 1 (Appendix A) contains the following information: lubricant used, cycles completed, amount of relief, sear lift, sear engagement, and trigger pull measurements on each fire control.

A. Dry Cycle

Fire controls No. 1, No. 2 (with WD-40) and No. 6 and No. 7 (with Du Pont) were cycled to 25,000 cycles, all others were stopped at 10,000 cycles.

Six (6) fire controls were lubricated with WD-40, seven (7) with Du Pont and two (2) with CRC.

TEST PROCEDURE

1. The fire controls with .005 relief were marked 1 through 5.
2. The fire controls with .010 relief were marked 6 through 15.
3. The fire controls were degreased, using the solvent degreasing tanks located in the Heat Treat and then lubricated with the assigned lubricant.
4. The fire controls were assembled into Model 700 actions, then sear lift and engagement measurements, and trigger pull measurements were taken.
5. The actions were assembled into a dry cycle simulator and a predetermined number of cycles were run, with measurements taken every 5000 cycles.
6. Steps No. 3, 4 and 5 were repeated until all the fire controls were tested.

**A P P E N D I X " A "**

(Data Sheet No. 1)

LUBRICATION OF FIRE CONTROL TEST  
WITH SCAR SAFETY CAM, TRIGGER, AND CONNECTOR BELIEVED  
MODEL 700 FIRE CONTROL EVALUATION

PGM/P&E  
6-25-82

LUBRICANT	FC-1	FC-2	FC-3	FC-4	FC-5	FC-6	FC-7	FC-8	FC-9	FC-10	FC-11	FC-12	FC-13	FC-14	FC-15
	WD-40	WD-40	DUPONT	DUPONT	DUPONT	DUPONT	DUPONT	DUPONT	DUPONT	WD-40	WD-40	WD-40	WD-40	CAC	CRC
US MIL. ST. CNSA 5	WD-40	WD-40	DUPONT	DUPONT	DUPONT	DUPONT	DUPONT	DUPONT	DUPONT	WD-40	WD-40	WD-40	WD-40	WD-40	WD-40
CHAMFERED TRIGGER HORN (IN)	25,000	25,000	10,000	10,000	25,000	25,000	25,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
TRIGGER PULL (OZ.)	.005	.005	.005	.005	.005	.010	.010	.010	.010	.010	.010	.010	.010	.010	.010
TRIGGER LIFT (IN.)	.0075	.010	.007	.010	.008	.0125	.010	.0125	.012	.0125	.0125	.0125	.0125	.012	.012
TRIGGER LEVERAGE	.011	.015	.020	.017	.015	.025	.025	.025	.015	.015	.015	.015	.015	.015	.015
5000 CYS.															
10000 CYS.	.010	.010	.010	.010	.015	.010	.010	.010	.010	.010	.010	.010	.010	.010	.010
10000 CYS.	.0225	.0205	.027	.020	.024	.019	.019	.019	.019	.019	.019	.019	.019	.019	.019
10000 CYS.	.011	.011	.010	.0125	.012	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013
10000 CYS.	.021	.021	.020	.0215	.0215	.0185	.0185	.0185	.0185	.0185	.0185	.0185	.0185	.0185	.0185
20000 CYS.	.011	.0115													
20000 CYS.	.024	.021													
25000 CYS.	.0125	.011													
25000 CYS.	.025	.024													
TRIGGER LEVERAGE (LBS) (1/16, 1/8, 3/16)															
10 CYS.	5.3	5.6	5.6	5.4	5.7	5.5	5.6	5.5	5.25	5.6	5.8	5.7	5.7	5.0	6.5
5000 CYS.	5.0	5.0	5.2	4.9	5.7	5.2	5.8	5.4	5.7	5.7	5.7	5.5	6.0	6.4	
10000 CYS.	4.8	4.9	5.0	5.2	5.9	5.2	5.5	5.2	5.7	5.7	5.5	5.8	5.5	4.0	6.7
15000 CYS.	4.9	4.9	-	-	-	5.6	5.6	-	-	-	-	-	-	-	
20000 CYS.	5.25	5.2	-	-	-	5.5	5.6	-	-	-	-	-	-	-	
25000 CYS.	5.1	5.1	-	-	-	5.5	5.5	-	-	-	-	-	-	-	
REMINGTON ST. NORMANS								TRIGGER PULL 3 lbs	4 to 8 lbs						
SCAR LIFT .005"															
STRAP ENGAGEMENT .015"															
DATA SHEET															

NO

(1)

Lubricant Test:

1-7-82  
JH

Procedure: - Cock & Fire Dry Cycle.

1. Photos at start of test.
  - a- <sup>cam</sup> surface on bolt body.
  - b- fixing pin striker
2. Apply lube: determine amount (spray)  
a. bolt assem. (1 sec./2 sec. --- etc.)  
b. fire control assem. (distance, etc.)
3. Take the following meas.
  - a. trigger pull - (3)
  - b. safe on/off forces. (3)
  - c. bolt lift -- cocked & fired.
4. Start Dry Cycle inspection cycles:  
0, every 100 cycles on 1<sup>st</sup> sample of each lube to determine inspection cycle for remaining four samples.
5. Cycle limit:  
25,000 cycles all samples -- or failure.
6. Measurements (#3) will be taken on samples #2 thru #5 at levels determined by sample #1.

7. Photos at completion of test. -- or failure.
- cam track area on bolt.
  - firing pin striker area.
  - sear and connector surfaces of fire control.

8. Measurements (#3) taken at completion of test.
- 

Lubricants to be tested.

- DuPont Diester - production sample.
- Krylon Ten-4
- Sprayon 711
- CRC 3-36
- Houghton HLP
- WD-40
- Moly coke GN - Paste. } R&D Iton  
results only.

Additional Testing: At completion of successful dry cycle

- Continuation to failure.
- Continuation with lubricant removed.
- Cold tests.
- Environment Tests.

Test sample size.

- 1 rifle, 5 bolts, 5 fire controls per lubricant.
- 2 dry cycle machines available.  
cycle rate -- 1 every 3 seconds. per machine.

(4)

1-12-82  
f&

## Lubricant Tests - cont'd.

### — Congealment vs Function —

Firearms: M-700 + M-1100

1. Photos of surfaces where lubricant applied
2. Determine application (Per sheet 1)
3. Live round jack shooting in following sequence:

All to take  
place in one  
day.

- Fire 100 rds.
- Place firearm on roof of building for 4 hours.
- Place firearm in freezer for remainder of shift (specify time on log) at  $-20^{\circ}$ .
- Place rifle in stress coat oven overnight at  $+120^{\circ}$ .

4. Continue with step 3 for one week or until failure of firearm to function properly occurs.

"Failure to function properly."

- The firearm does not perform as designed.
- Evaluate rust development, if any
- Record the function of the M-1100 via bolt velocities and/or closing velocities during the test when irregular operation occurs.
- Observe safety operation on both firearms during test.

(5)

1-12-82  
PF

## Cleaning Capability, Rust Removal & Prevention

Firearms: Consignment guns at Ilion Fish & Game Club.  
(Winter Skeet/Trap Shooting)

(All firearms tested will be M-1100-12 and 20ga.)

1. Review firearms and select for excessive crud/dirty condition and rust evident on surfaces of receiver and barrel.
  2. Assign a lubricant to a firearm
  3. Record via photos; crud and rust.
  4. Attempt to clean firearm using assigned lubricant and document results.
  5. Thoroughly clean firearm by other means if assigned lubricant fails to do so.
  6. Lubricate firearm with assigned lubricant.
  7. Maintain accurate log on each firearm in test for one month's usage at the Gun Club.
    - Date - rounds fired.
    - Load used.
    - Shooters comments on function
    - Weather
    - Storage location and temperature variance
  8. Review condition of firearms and record results of crud & rust via photos.
- Note:- Bolt velocities at start and finish?
- \*- Same test at Rem. Farms?

SENTR LIFT + ENGAGEMENT

Sample - Low lift Low eng.

1. 0 .0095 .017

~~5000~~ .010 .0225

10,000 .011 .021

15,000 .010 .0225

20,000 .011 .024

25,000 .0125 .025

2. 0 .010 .015

~~5000~~ .010 .0205

10,000 .011 .021

15,000 .010 .0215

20,000 .0115 .021

25,000 .011 .024

3. 0 .010 .022

~~5000~~ .007 .026

~~10,000~~ .010 .027

~~15,000~~ .010 .028

4. 0 .010 .017

~~5000~~ .010 .020

10,000 .0125 .0215

~~15,000~~

~~20,000~~

25,000

Gear Lift  
 0 .0105  
 5000 .010  
 10000 .012  
 15000  
~~2000~~  
 25000

Gear Engaged  
 0 .0215  
 5000 .024  
 10000 .0245

6.	0	.0125	.0205
	5000	.015	.018
	10000	.013	.0185
	15000	.0125	.0235
	20000	.0115	.025
	<u>25000</u>	.0125	.025

0	.010	.0205
5000	.0135	.018
10000	.0105	.0225
15000	.0105	.0205
20000	.0085	.025
<u>25000</u>	.008	.0235

8.	0	.0115	.0165
	5000	.010	.0205
	10000	.015	.0195

6	0	.012	.0165
	5000	.0135	.022
	10000	.017	.0195

Dear Lift New England

10.	0	.012	.018
	5000	.0115	.025
	10000	.0105	.0255
11.	0	.0125	.0105
	5000	.0125	.0125
	10000	.015	.0195
12.	0	.0125	.009
	5000	.0115	.0185
	10000	.014	.020
13.	0	.013	.009
	5000	.011	.0165
	10000	.0135	.0185
14.	0	.010	.012
	5000	.013	.026
	10000	.0125	.023
15.	0	.012	.015
	5000	.0115	.0205
	10000	.0125	.027

Row 10th from Lift  
New Eng .005 - .018  
                          .015 - .020

*(cont'd)* TRIGGER PULL Rem STD- 3#-8#

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0	5.3	5.6	5.6	5.4	5.7	5.5	5.6	5.5	6.25	5.6	5.8	5.9	5.7	4.0	6.5
2500	5.3	5.6	5.2	5.2	5.8	5.5	5.5	5.5	5.9	5.7	5.6	5.9	5.2	5.8	6.5
5000	5.0	5.0	5.2	4.9	5.7	5.2	5.5	5.4	5.7	5.7	5.7	5.9	5.5	6.0	6.4
7500	5.0	5.1	5.2	5.2	6.0	5.5	5.7	5.2	5.7	5.6	5.4	5.9	5.5	5.6	7.1
10000	4.8	4.9	5.0	5.2	5.9	5.2	5.5	5.2	6.1	5.7	5.5	5.8	5.5	6.0	6.7
12500	5.0	5.0				5.6	5.6								
15000	4.9	4.9				5.6	5.6								
17500	4.5	4.8				6.1	5.5								
20000	5.25	5.2				5.5	5.6								
22500	5.50	5.2				5.1	5.8								
25000	5.1	5.1				5.5	5.5								

REPORT NO. \_\_\_\_\_

DRY CYCLE SUMMARYPAGE NO. 3TESTER: ACTEST TITLE: Dear ReliefPREVIOUS CYCLES: 17500

RIFLE NO. \_\_\_\_\_

DRY CYCLE SIMULATOR NO. 1

BOLT NO. \_\_\_\_\_

CYCLE RATE: \_\_\_\_\_

FIRE CONTROL NO. 1LUBRICATION: WD 40

WORK ORDER NO. \_\_\_\_\_

NO. OF CYCLES: 2800TOTAL: 20 000SEAR LIFT: .011SEAR ENGAGEMENT: 1024TRIGGER PULL: 1.525 2.525 3.525

(525)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 1800TOTAL: 22 500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1.550 2.550 3.550

(550)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 25000SEAR LIFT: .0125SEAR ENGAGEMENT: 1025TRIGGER PULL: 1.525 2.500 3.500

(51)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: \_\_\_\_\_

TOTAL: \_\_\_\_\_

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1.  2.  3. 

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

REPORT NO. \_\_\_\_\_

DRY CYCLE SUMMARYPAGE NO. 2TESTER: ACTEST TITLE: SEAR RELIEFPREVIOUS CYCLES: 7500RIFLE NO. A623595XCYCLE SIMULATOR NO. 1

BOLT NO. \_\_\_\_\_

CYCLE RATE: \_\_\_\_\_

FIRE CONTROL NO. 1LUBRICATION: WD 40

WORK ORDER NO. \_\_\_\_\_

NO. OF CYCLES: 2000TOTAL: 10.00 CSEAR LIFT: .011SEAR ENGAGEMENT: .021TRIGGER PULL: 1. 5.00 2. 4.75 3. 4.75

(4.8)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.			
2.			
3.			

NO. OF CYCLES: 2500TOTAL: 12.50 C

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 5.00 2. 5.25 3. 5.00

(5.08)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.			
2.			
3.			

NO. OF CYCLES: 2125TOTAL: 15.00 CSEAR LIFT: .010SEAR ENGAGEMENT: .022TRIGGER PULL: 1. 5.00 2. 5.00 3. 4.75

(4.9)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.			
2.			
3.			

NO. OF CYCLES: 2500TOTAL: 17.50 C

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 4.50 2. 4.50 3. 4.75

(4.58)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.			
2.			
3.			

REPORT NO. \_\_\_\_\_

DRY CYCLE SUMMARYPAGE NO. 1TESTER: RLTEST TITLE: SEAR RELIEF

PREVIOUS CYCLES: \_\_\_\_\_

RIFLE NO. 86235951CYCLE SIMULATOR NO. 1

BOLT NO. \_\_\_\_\_

CYCLE RATE: \_\_\_\_\_

FIRE CONTROL NO. 1LUBRICATION: WD40

WORK ORDER NO. \_\_\_\_\_

NO. OF CYCLES: 0

TOTAL: \_\_\_\_\_

SEAR LIFT: .0095SEAR ENGAGEMENT: .017TRIGGER PULL: 1. 5.21 2. 5.50 3. 5.255.3

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 3560TOTAL: 3560SEAR LIFT: .009SEAR ENGAGEMENT: .018TRIGGER PULL: 1. 5.21 2. 5.21 3. 5.505.3

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 1440TOTAL: 5000SEAR LIFT: .010SEAR ENGAGEMENT: .022TRIGGER PULL: 1. 5.25 2. 5.01 3. 5.005.05

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 7500SEAR LIFT: .009

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 5.00 2. 5.21 3. 5.005.05

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

REPORT NO. \_\_\_\_\_

## DRY CYCLE SUMMARY

PAGE NO. 3TESTER: 12 CTEST TITLE: Dear ReliefPREVIOUS CYCLES: 17500RIFLE NO. D 6409561CYCLE SIMULATOR NO. 2

BOLT NO. \_\_\_\_\_

CYCLE RATE: v

FIRE CONTROL NO. \_\_\_\_\_

LUBRICATION: WD 40

WORK ORDER NO. \_\_\_\_\_

NO. OF CYCLES: 2500TOTAL: 20000SEAR LIFT: .0115SEAR ENGAGEMENT: .021TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.25

(5.25)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 22500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.25

(5.25)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 25000SEAR LIFT: .011SEAR ENGAGEMENT: .024TRIGGER PULL: 1. 5.25 2. 5.00 3. 5.25

(5.16)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

X-30.5

NO. OF CYCLES: \_\_\_\_\_

TOTAL: \_\_\_\_\_

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

REPORT NO. \_\_\_\_\_

DRY CYCLE SUMMARYPAGE NO. 2TESTER: RLTEST TITLE: SEAR RELIEFPREVIOUS CYCLES: 7500RIFLE NO. 16410 9501CYCLE SIMULATOR NO. 2

BOLT NO. \_\_\_\_\_

CYCLE RATE: \_\_\_\_\_

FIRE CONTROL NO. 2LUBRICATION: WD40

WORK ORDER NO. \_\_\_\_\_

NO. OF CYCLES: 2500TOTAL: 10.000SEAR LIFT: .011SEAR ENGAGEMENT: .021TRIGGER PULL: 1. 4.75 2. 5.00 3. 5.00

(4.91)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 12.00

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 5.00 2. 5.25 3. 5.00

(5.08)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 15.00SEAR LIFT: .010SEAR ENGAGEMENT: .021TRIGGER PULL: 1. 5.00 2. 5.00 3. 4.75

(4.91)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 17.00

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 5.00 2. 4.75 3. 4.75

(4.83)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

REPORT NO. \_\_\_\_\_

DRY CYCLE SUMMARY

PAGE NO. \_\_\_\_\_

TESTER: ACTEST TITLE: SEAR RELIEF

PREVIOUS CYCLES: \_\_\_\_\_

RIFLE NO. AC 40 9561CYCLE SIMULATOR NO. 2  
*Hagen*

BOLT NO. \_\_\_\_\_

CYCLE RATE: \_\_\_\_\_

FIRE CONTROL NO. 2LUBRICATION: WD40

WORK ORDER NO. \_\_\_\_\_

NO. OF CYCLES: 0

TOTAL: \_\_\_\_\_

SEAR LIFT: .010SEAR ENGAGEMENT: .015TRIGGER PULL: 1. .50 2. .60 3. .550

(56)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 2500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. .50 2. .500 3. .500

(500)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 10000TOTAL: 5000SEAR LIFT: .010SEAR ENGAGEMENT: .020TRIGGER PULL: 1. .500 2. .500 3. .500

(500)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 7500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. .500 2. .525 3. .525

(510)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

REPORT NO. \_\_\_\_\_

DRY CYCLE SUMMARYPAGE NO. 2TESTER: ALPREVIOUS CYCLES: 7500DRY CYCLE SIMULATOR NO. 1

CYCLE RATE: \_\_\_\_\_

LUBRICATION: DUPONTNO. OF CYCLES: 2500SEAR LIFT: .010TRIGGER PULL: 1. .500 2. .525 3. .500Hagen  
(3)TEST TITLE: Sear Relay

RIFLE NO. \_\_\_\_\_

BOLT NO. \_\_\_\_\_

FIRE CONTROL NO. 3

WORK ORDER NO. \_\_\_\_\_

TOTAL: 10.000SEAR ENGAGEMENT: .020

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.			
2.			
3.			

NO. OF CYCLES: \_\_\_\_\_ TOTAL: \_\_\_\_\_

SEAR LIFT: \_\_\_\_\_ SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.			
2.			
3.			

NO. OF CYCLES: \_\_\_\_\_ TOTAL: \_\_\_\_\_

SEAR LIFT: \_\_\_\_\_ SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.			
2.			
3.			

NO. OF CYCLES: \_\_\_\_\_ TOTAL: \_\_\_\_\_

SEAR LIFT: \_\_\_\_\_ SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.			
2.			
3.			

REPORT NO. \_\_\_\_\_

DRY CYCLE SUMMARYPAGE NO. 1TESTER: ACTEST TITLE: Dear ReliefPREVIOUS CYCLES: 0

RIFLE NO. \_\_\_\_\_

DRY CYCLE SIMULATOR NO. 1

BOLT NO. \_\_\_\_\_

CYCLE RATE: \_\_\_\_\_

FIRE CONTROL NO. 3LUBRICATION: DUPONT

WORK ORDER NO. \_\_\_\_\_

NO. OF CYCLES: 0TOTAL: 0SEAR LIFT: .007SEAR ENGAGEMENT: .026TRIGGER PULL: 1.575 2.525 3.550

(5b)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.			
2.			
3.			

NO. OF CYCLES: 2500TOTAL: 2500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1.525 2.525 3.525

(5c)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.			
2.			
3.			

NO. OF CYCLES: 2500TOTAL: 5000SEAR LIFT: .010SEAR ENGAGEMENT: .023TRIGGER PULL: 1.525 2.525 3.525

(5d)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.			
2.			
3.			

NO. OF CYCLES: 2500TOTAL: 7500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1.525 2.525 3.525

(5e)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.			
2.			
3.			

REPORT NO. \_\_\_\_\_

DRY CYCLE SUMMARY

PAGE NO. \_\_\_\_\_

TESTER: ALTEST TITLE: Sear ReliefPREVIOUS CYCLES: 7500

RIFLE NO. \_\_\_\_\_

CYCLE SIMULATOR NO. 2

BOLT NO. \_\_\_\_\_

CYCLE RATE: \_\_\_\_\_

FIRE CONTROL NO. 4LUBRICATION: DUPONT

WORK ORDER NO. \_\_\_\_\_

NO. OF CYCLES: 2500TOTAL: 10.00SEAR LIFT: .0125SEAR ENGAGEMENT: 10215TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.25

(5.25)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: \_\_\_\_\_

TOTAL: \_\_\_\_\_

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: \_\_\_\_\_

TOTAL: \_\_\_\_\_

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: \_\_\_\_\_

TOTAL: \_\_\_\_\_

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

REPORT NO. \_\_\_\_\_

DRY CYCLE SUMMARY

PAGE NO. \_\_\_\_\_

TESTER: RCTEST TITLE: Low ReliefPREVIOUS CYCLES: 0

RIFLE NO. \_\_\_\_\_

DRY CYCLE SIMULATOR NO. 2

BOLT NO. \_\_\_\_\_

CYCLE RATE: \_\_\_\_\_

FIRE CONTROL NO. 4LUBRICATION: DUPONT

WORK ORDER NO. \_\_\_\_\_

NO. OF CYCLES: 0TOTAL: 0SEAR LIFT: .010SEAR ENGAGEMENT: 1012TRIGGER PULL: 1. 5.50 2. 5.52 3. 5.25

(5.4)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 2500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.25

(5.25)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 5000SEAR LIFT: .010SEAR ENGAGEMENT: 1020TRIGGER PULL: 1. 5.00 2. 5.00 3. 4.75

(4.9)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 7500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.25

(5.25)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

REPORT NO. \_\_\_\_\_

DRY CYCLE SUMMARY

PAGE NO. \_\_\_\_\_

TESTER: ACTEST TITLE: Sear RelayPREVIOUS CYCLES: 0

RIFLE NO. \_\_\_\_\_

CYCLE SIMULATOR NO. 1

BOLT NO. \_\_\_\_\_

CYCLE RATE: \_\_\_\_\_

FIRE CONTROL NO. 5LUBRICATION: DuPont

WORK ORDER NO. \_\_\_\_\_

NO. OF CYCLES: 0

TOTAL: \_\_\_\_\_

SEAR LIFT: 1010.5SEAR ENGAGEMENT: 0211TRIGGER PULL: 1.575 2.575 3.575

(575)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 2500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1.575 2.575 3.600

(583)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 5000SEAR LIFT: 010SEAR ENGAGEMENT: 024TRIGGER PULL: 1.575 2.575 3.575

(515)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 7500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1.625 2.600 3.600

(601)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

+  
1. 5.75 - 6.00 - 6.00

(5.91)

10.000 Cycles

2. 012

3.

Sear lift: 012

3.

4.

Sear engagement: 0245

G-88

**DON'T SAY IT-WRITE IT**

To C.E. RITCHIE  
From L. J. HAGEN

FOR LAB  
2-5-82

THESE FIRE CONTROLS DO NOT HAVE  
ANY LUBRICATION ON THEM.

JUN. 15

1-5-W1340  
6-15-(2) DOWNT  
(2) CRC

**"SAFETY RULES ARE PERFECT TOOLS"**

WORK REQUEST

WR # 820361

DATE REQUESTED 2-5-82WORK ORDER C 1802 - 002DESIGNER OR ENGINEER L. J. HAGENMODEL 700 CAL. OR GAUGE \_\_\_\_\_ BARREL TYPE \_\_\_\_\_GUN No(s).- M1/700 FIRE CONTROLS QUANTITY - 15TYPE OF TESTNEW DESIGN \_\_\_\_\_ DESIGN CHANGE \_\_\_\_\_ }  
DRY CYCLE \_\_\_\_\_ ACCURACY \_\_\_\_\_ HAND LOADING \_\_\_\_\_ STRESS \_\_\_\_\_ }  
PRESSURE \_\_\_\_\_ MUZZLE VELOCITY \_\_\_\_\_ FUNCTION  PHOTOS \_\_\_\_\_ }  
EVALUATION  BOLT VELOCITIES \_\_\_\_\_ OTHER \_\_\_\_\_ }REPORT REQUIREDFORMAL  INFORMAL \_\_\_\_\_ TEST RESULTS ONLY \_\_\_\_\_TEST OBJECTIVE

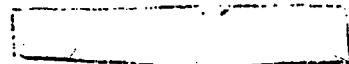
## 1. LUBRICATION OF FIRE CONTROL TEST

TEST TO BE DETERMINED BY R&amp;D TEST LAB. - C.E. RITCHIE.

A. 10 FIRE CONTROLS HAVE THE SEAR SAFETY CAM,  
TRIGGER & CONNECTOR RELIEVED IN AREAS BY .010B. 5 FIRE CONTROLS HAVE THE SEAR SAFETY CAM,  
TRIGGER & CONNECTOR RELIEVED IN AREAS BY .005.

C. 1-5 = .005 RELIEF

6-15 = .010 RELIEF



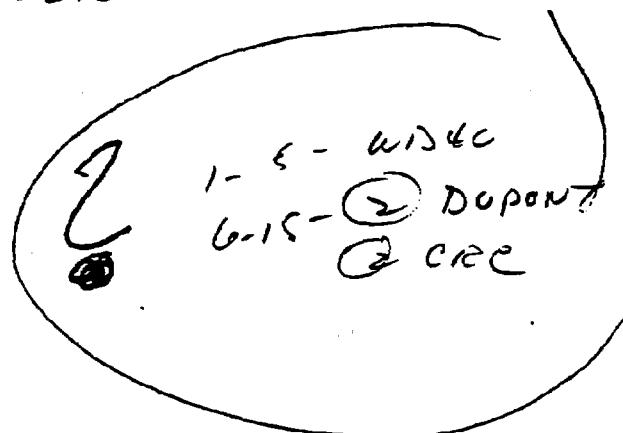
TEST COMPLETION DATE \_\_\_\_\_

SIGNED \_\_\_\_\_ 

**DON'T SAY IT-WRITE IT**FOR LABTo C. E. RITCHIEDate 2-5-82From L. J. HAGEN

THESE FIRE CONTROLS DO NOT HAVE  
ANY LUBRICATION ON THEM.

JUN. 15

**"SAFETY RULES ARE PERFECT TOOLS"**

WORK REQUEST

WR # 820361

DATE REQUESTED 2-5-82WORK ORDER G 1802 - 000DESIGNER OR ENGINEER L. J. HAGENMODEL 700 CAL. OR GAUGE  BARREL TYPE GUN No(s).- M700 FIRE CONTROLS QUANTITY - 15TYPE OF TESTNEW DESIGN  DESIGN CHANGE DRY CYCLE  ACCURACY  END LOADING  STRESS PRESSURE  MUZZLE VELOCITY  FUNCTION ✓ PHOTOS EVALUATION ✓ VELOCITIES  OTHER REPORT REQUIREDFORMAL ✓ INFORMAL  TEST RESULTS ONLY TEST OBJECTIVE

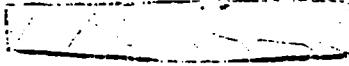
## 1. LUBRICATION OF FIRE CONTROL TEST

TEST TO BE DETERMINED BY R&amp;D TEST LAB. - C.E. RITCHIE.

A. 10 FIRE CONTROLS HAVE THE SEAR SAFETY CAM,  
TRIGGER & CONNECTOR RELIEVED IN AREAS BY .010B. 5 FIRE CONTROLS HAVE THE SEAR SAFETY CAM,  
TRIGGER & CONNECTOR RELIEVED IN AREAS BY .005.

C. 1-5 = .005 RELIEF

6-15 = .010 RELIEF

TEST COMPLETION DATE SIGNED 

G-88

**DON'T SAY IT-WRITE IT**

To \_\_\_\_\_

Date \_\_\_\_\_

From \_\_\_\_\_

Simulator #1 control #6

Firing pin cam broke on cycle 23,712.

**"SAFETY RULES ARE PERFECT TOOLS"**

REPORT NO. \_\_\_\_\_

D Y CYCLE SUMMARY

PAGE NO. \_\_\_\_\_

TESTER: RLTEST TITLE: Lean RelayPREVIOUS CYCLES: 0

RIFLE NO. \_\_\_\_\_

DRY CYCLE SIMULATOR NO. 2

BOLT NO. \_\_\_\_\_

CYCLE RATE: \_\_\_\_\_

FIRE CONTROL NO. 6LUBRICATION: DuPont

WORK ORDER NO. \_\_\_\_\_

NO. OF CYCLES: 0TOTAL: 0SEAR LIFT: .012SEAR ENGAGEMENT: 0.201TRIGGER PULL: 1. 5.75 2. 5.50 3. 5.50

(5.50)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 2500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 5.50 2. 5.50 3. 5.50

(5.50)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 5000SEAR LIFT: .018SEAR ENGAGEMENT: 1018TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.25

(5.25)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 2500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 5.10 2. 5.50 3. 5.25

(5.50)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

TP

1.

2.

10,000 CYCLES

Lean lift .013Lean engagement .0185

REPORT NO. \_\_\_\_\_

DRY CYCLE SUMMARYPAGE NO. 1TESTER: Angelo

TEST TITLE: \_\_\_\_\_

PREVIOUS CYCLES: 10,000

RIFLE NO. \_\_\_\_\_

DRY CYCLE SIMULATOR NO. #1

BOLT NO. \_\_\_\_\_

CYCLE RATE: \_\_\_\_\_

FIRE CONTROL NO. #6LUBRICATION: Dupont

WORK ORDER NO. \_\_\_\_\_

NO. OF CYCLES: 2500TOTAL: 12500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 5.75 2. 5.50 3. 5.75

(56)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

NO. OF CYCLES: 2500TOTAL: 15000SEAR LIFT: .0125SEAR ENGAGEMENT: .0235TRIGGER PULL: 1. 5.75 2. 5.50 3. 5.75

(56)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

NO. OF CYCLES: 2500TOTAL: 17500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 6.0 2. 7.0 3. 5.5

(61)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

NO. OF CYCLES: 2500TOTAL: 20000SEAR LIFT: .0115SEAR ENGAGEMENT: .0250TRIGGER PULL: 1. 5.50 2. 5.50 3. 5.50

(55)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

REPORT NO. \_\_\_\_\_

D Y CYCLE SUMMARYPAGE NO. 2TESTER: Angelo

TEST TITLE: \_\_\_\_\_

PREVIOUS CYCLES: 20,000

RIFLE NO. \_\_\_\_\_

DRY CYCLE SIMULATOR NO. 1

BOLT NO. \_\_\_\_\_

CYCLE RATE: \_\_\_\_\_

FIRE CONTROL NO. #6LUBRICATION: DUPONT

WORK ORDER NO. \_\_\_\_\_

NO. OF CYCLES: 2500TOTAL: 22500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.0

(5.1)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

NO. OF CYCLES: 2500TOTAL: 25000SEAR LIFT: 0125SEAR ENGAGEMENT: 0250TRIGGER PULL: 1. 5.50 2. 5.50 3. 5.50

(5.5)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

NO. OF CYCLES: \_\_\_\_\_

TOTAL: \_\_\_\_\_

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

NO. OF CYCLES: \_\_\_\_\_

TOTAL: \_\_\_\_\_

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

REPORT NO. \_\_\_\_\_

DRY CYCLE SUMMARY

PAGE NO. \_\_\_\_\_

TESTER: \_\_\_\_\_

TEST TITLE: Lac Reluf

PREVIOUS CYCLES: \_\_\_\_\_

RIFLE NO. \_\_\_\_\_

DRY CYCLE SIMULATOR NO. 1

BOLT NO. \_\_\_\_\_

CYCLE RATE: \_\_\_\_\_

FIRE CONTROL NO. 7LUBRICATION: DuPont

WORK ORDER NO. \_\_\_\_\_

NO. OF CYCLES: 0TOTAL: 0SEAR LIFT: .010SEAR ENGAGEMENT: .0205TRIGGER PULL: 1. 5.71 2. 5.71 3. 5.50

(56)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2 500TOTAL: 2 500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 5.71 2. 5.52 3. 5.50

(558)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2 500TOTAL: 5000SEAR LIFT: .0135SEAR ENGAGEMENT: .015TRIGGER PULL: 1. 5.50 2. 5.71 3. 5.54

(558)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2 500TOTAL: 7500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 5.75 2. 5.75 3. 5.75

(575)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

T.P. 1. 5.50

5.50

5.75

10.000 Cycles

2.

3.

Sear lift .0105

.0105

.0105

.0105

Sear eng - .0225

REPORT NO. \_\_\_\_\_

DR CYCLE SUMMARYPAGE NO. 1TESTER: Angelo

TEST TITLE: \_\_\_\_\_

PREVIOUS CYCLES: 10000

RIFLE NO. \_\_\_\_\_

DRY CYCLE SIMULATOR NO. 2

BOLT NO. \_\_\_\_\_

CYCLE RATE: \_\_\_\_\_

FIRE CONTROL NO. 7LUBRICATION: DUPONT

WORK ORDER NO. \_\_\_\_\_

NO. OF CYCLES: 2500TOTAL: 12500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 5.75 2. 5.75 3. 5.50

(5.6)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

NO. OF CYCLES: 2500TOTAL: 15000SEAR LIFT: .0105SEAR ENGAGEMENT: .0205TRIGGER PULL: 1. 5.75 2. 5.75 3. 5.50

(5.6)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

NO. OF CYCLES: 2500TOTAL: 17500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 5.75 2. 5.50 3. 5.50

(5.5)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

NO. OF CYCLES: 2500TOTAL: 20000SEAR LIFT: .0085SEAR ENGAGEMENT: .0250TRIGGER PULL: 1. 6.0 2. 5.5 3. 5.5

(5.5)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

REPORT NO. \_\_\_\_\_

DR CYCLE SUMMARYPAGE NO. 2TESTER: AngeloPREVIOUS CYCLES: 20000DRY CYCLE SIMULATOR NO. 2

CYCLE RATE: \_\_\_\_\_

LUBRICATION: DupontNO. OF CYCLES: 2500

SEAR LIFT: \_\_\_\_\_

TRIGGER PULL: 1. 6.0 2. 5.75 3. 5.75

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

NO. OF CYCLES: 2500TOTAL: 25000SEAR LIFT: .008TRIGGER PULL: 1. 5.50 2. 5.75 3. 5.50SEAR ENGAGEMENT: .0235

(5.5)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

NO. OF CYCLES: \_\_\_\_\_

TOTAL: \_\_\_\_\_

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

NO. OF CYCLES: \_\_\_\_\_

TOTAL: \_\_\_\_\_

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

REPORT NO. \_\_\_\_\_

DRY CYCLE SUMMARY

PAGE NO. \_\_\_\_\_

TESTER: \_\_\_\_\_

TEST TITLE: Dear Relief

PREVIOUS CYCLES: \_\_\_\_\_

RIFLE NO. \_\_\_\_\_

DRY CYCLE SIMULATOR NO. 2

BOLT NO. \_\_\_\_\_

CYCLE RATE: \_\_\_\_\_

FIRE CONTROL NO. 8LUBRICATION: DuPont

WORK ORDER NO. \_\_\_\_\_

NO. OF CYCLES: 0TOTAL: 0SEAR LIFT: .10115SEAR ENGAGEMENT: .0165TRIGGER PULL: 1. 5.50 2. 5.71 3. 5.52

(5.58)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 2500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 5.50 2. 5.25 3. 5.50

(5.58)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 5000SEAR LIFT: .010SEAR ENGAGEMENT: .0205TRIGGER PULL: 1. 5.52 2. 5.52 3. 5.24

(5.41)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 7500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 5.21 2. 5.25 3. 5.2

(5.25)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

TP. 1. 5.255.255.251000

2.

3.

Dear Relief

.015Dear Eng - .019

REPORT NO. \_\_\_\_\_

DE CYCLE SUMMARY

PAGE NO. \_\_\_\_\_

TESTER: \_\_\_\_\_

TEST TITLE: Leu Leu

PREVIOUS CYCLES: \_\_\_\_\_

RIFLE NO. \_\_\_\_\_

DRY CYCLE SIMULATOR NO. 3

BOLT NO. \_\_\_\_\_

CYCLE RATE: \_\_\_\_\_

FIRE CONTROL NO. 9LUBRICATION: DUPONT

WORK ORDER NO. \_\_\_\_\_

NO. OF CYCLES: 0TOTAL: 0SEAR LIFT: .012SEAR ENGAGEMENT: .016TRIGGER PULL: 1.625 2.625 3.625

(6.25)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 250TOTAL: 250

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1.60 2.60 3.575

(5.91)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 3500TOTAL: 500SEAR LIFT: .0135SEAR ENGAGEMENT: .022TRIGGER PULL: 1.575 2.575 3.575

(5.75)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2100TOTAL: 7500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1.600 2.600 3.525

(5.15)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. 6.25 6.00

2. \_\_\_\_\_

3. .017

6.25

(6.1)

10000 CYCLES

SEAR ENG - .0195

REPORT NO. \_\_\_\_\_

DE CYCLE SUMMARY

PAGE NO. \_\_\_\_\_

TESTER: 12

TEST TITLE: \_\_\_\_\_

PREVIOUS CYCLES: 0

RIFLE NO. \_\_\_\_\_

DRY CYCLE SIMULATOR NO. 1

BOLT NO. \_\_\_\_\_

CYCLE RATE: 5.4FIRE CONTROL NO. 10LUBRICATION: WD40

WORK ORDER NO. \_\_\_\_\_

NO. OF CYCLES: 0TOTAL: 0SEAR LIFT: .012SEAR ENGAGEMENT: .018TRIGGER PULL: 1. 5.75 2. 5.50 3. 5.755.45.6

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 2500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 5.75 2. 5.75 3. 5.755.75

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 2500SEAR LIFT: .015SEAR ENGAGEMENT: .021TRIGGER PULL: 1. 5.75 2. 5.75 3. 5.755.75

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 25TOTAL: 2500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 5.75 2. 5.50 3. 5.755.6

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

*trigger - 5.75 - 5.75 - 5.75*

<i>5.75</i>	<i>5.75</i>	<i>5.75</i>
<i>2.0</i>	<i>2.0</i>	<i>2.0</i>
<i>3.0105</i>	<i>3.0105</i>	<i>3.0105</i>

*sear engagement .0251*

REPORT NO. \_\_\_\_\_

DRY CYCLE SUMMARY

PAGE NO. \_\_\_\_\_

TESTER: HC

TEST TITLE: \_\_\_\_\_

PREVIOUS CYCLES: \_\_\_\_\_

RIFLE NO. \_\_\_\_\_

DRY CYCLE SIMULATOR NO. 2

BOLT NO. \_\_\_\_\_

CYCLE RATE: \_\_\_\_\_

FIRE CONTROL NO. 11LUBRICATION: WD40

WORK ORDER NO. \_\_\_\_\_

NO. OF CYCLES: 0TOTAL: 0SEAR LIFT: .0125SEAR ENGAGEMENT: .0105TRIGGER PULL: 1. 6.00 2. 5.75 3. 5.75

(5.6)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

NO. OF CYCLES: 2.00TOTAL: 2.00

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 5.50 2. 5.75 3. 5.75

(5.6)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

NO. OF CYCLES: 2.50TOTAL: 5.00SEAR LIFT: .0125SEAR ENGAGEMENT: .0125TRIGGER PULL: 1. 5.75 2. 5.75 3. 5.75

(5.75)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

NO. OF CYCLES: 2.50TOTAL: 7.50

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 5.50 2. 5.75 3. 5.75

(5.75)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

try again 1. 5.50 2. 5.50 3. 5.50

(5.50)

10.00

2. \_\_\_\_\_

3. .015

Sear engagement .019

REPORT NO. \_\_\_\_\_

DRY CYCLE SUMMARY

PAGE NO. \_\_\_\_\_

TESTER: AC

TEST TITLE: \_\_\_\_\_

PREVIOUS CYCLES: 0

RIFLE NO. \_\_\_\_\_

DRY CYCLE SIMULATOR NO. 3

BOLT NO. \_\_\_\_\_

CYCLE RATE: \_\_\_\_\_

FIRE CONTROL NO. 12LUBRICATION: WD40

WORK ORDER NO. \_\_\_\_\_

NO. OF CYCLES: 0TOTAL: 0SEAR LIFT: .0121SEAR ENGAGEMENT: .009TRIGGER PULL: 1. 6.00 2. 6.00 3. 5.75

(591)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 2500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 6.00 2. 6.00 3. 5.75

(591)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 5000SEAR LIFT: .0115SEAR ENGAGEMENT: .0181TRIGGER PULL: 1. 6.00 2. 6.00 3. 5.75

(591)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 7500SEAR LIFT: .2

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 6.00 2. 5.75 3. 6.00

(591)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

begin 5.75 - 5.75 = 6.00

(591)

Total 10.000

2.

3.

.014

(591)

Sear engagement .020

REPORT NO. \_\_\_\_\_

DRY CYCLE SUMMARY

PAGE NO. \_\_\_\_\_

TESTER: \_\_\_\_\_

TEST TITLE: \_\_\_\_\_

PREVIOUS CYCLES: 0

RIFLE NO. \_\_\_\_\_

DRY CYCLE SIMULATOR NO. 4BOLT NO. 13

CYCLE RATE: \_\_\_\_\_

FIRE CONTROL NO. \_\_\_\_\_

LUBRICATION: WD40

WORK ORDER NO. \_\_\_\_\_

NO. OF CYCLES: 0TOTAL: 0SEAR LIFT: .013SEAR ENGAGEMENT: .009TRIGGER PULL: 1. 5.15 2. 5.15 3. 5.15(4)  
5-5-82  
6.15

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 2500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.25

(5.25)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 5000SEAR LIFT: .011SEAR ENGAGEMENT: .0165TRIGGER PULL: 1. 5.50 2. 5.50 3. 5.75

(5.50)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 7500

SEAR LIFT: \_\_\_\_\_

SEAR ENGAGEMENT: \_\_\_\_\_

TRIGGER PULL: 1. 5.50 2. 5.50 3. 5.10

(5.50)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

big pull  
1. 5.50-5.50-5.50for AC Cycles  
10000

1.

2.

3.

Sear lift

.0135Sear engagement .0185

REPORT NO. \_\_\_\_\_

D Y CYCLE SUMMARY

PAGE NO. \_\_\_\_\_

TESTER: ACTEST TITLE: Non RelifPREVIOUS CYCLES: 0

RIFLE NO. \_\_\_\_\_

DRY CYCLE SIMULATOR NO. 3

BOLT NO. \_\_\_\_\_

CYCLE RATE: 1/1.88FIRE CONTROL NO. 14LUBRICATION: CRC

WORK ORDER NO. \_\_\_\_\_

NO. OF CYCLES: 0TOTAL: 0SEAR LIFT: .010SEAR ENGAGEMENT: .012TRIGGER PULL: 1. .400 2. .400 3. .425.408

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 2100SEAR LIFT: SEAR ENGAGEMENT: TRIGGER PULL: 1. 5.75 2. 5.75 3. 6.005.87

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 5000dSEAR LIFT: .013SEAR ENGAGEMENT: .026TRIGGER PULL: 1. 6.00 2. 6.25 3. 6.006.08

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500TOTAL: 2500SEAR LIFT: SEAR ENGAGEMENT: TRIGGER PULL: 1. 5.75 2. 5.75 3. 6.005.68

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

Long Pul, 1. 6.25-6.00-6.0-6.0810.00CSear lift .0125Sear engg. .023

REPORT NO. \_\_\_\_\_

DRY CYCLE SUMMARY

PAGE NO. \_\_\_\_\_

TESTER: A.C.TEST TITLE: Sear liftPREVIOUS CYCLES: 0

RIFLE NO. \_\_\_\_\_

DRY CYCLE SIMULATOR NO. 4

BOLT NO. \_\_\_\_\_

CYCLE RATE: 4FIRE CONTROL NO. 15LUBRICATION: C Re

WORK ORDER NO. \_\_\_\_\_

NO. OF CYCLES: 0TOTAL: 0SEAR LIFT: .012SEAR ENGAGEMENT: .015TRIGGER PULL: 1.6.50   2.6.50   3.6.75

(6.58)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

- |    |  |  |  |
|----|--|--|--|
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |

NO. OF CYCLES: 2500TOTAL: 2500SEAR LIFT: SEAR ENGAGEMENT: TRIGGER PULL: 1.6.50   2.6.50   3.6.75

(6.58)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

- |    |  |  |  |
|----|--|--|--|
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |

NO. OF CYCLES: 2500TOTAL: 5000SEAR LIFT: .0115SEAR ENGAGEMENT: .0205TRIGGER PULL: 1.6.35   2.6.50   3.6.50

(6.41)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

- |    |  |  |  |
|----|--|--|--|
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |

NO. OF CYCLES: 2500TOTAL: 7500SEAR LIFT: SEAR ENGAGEMENT: TRIGGER PULL: 1.7.25   2.7.25   3.7.00

(7.16)

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

TP	<u>6.75</u> <u>6.75</u> <u>6.71</u>	<u>v.73</u>	<u>10.000</u>
----	-------------------------------------	-------------	---------------

2.			
3.	<u>Sear lift</u> <u>.0125</u>		<u>Sear eng - .02</u>