

EST. WGT. 1350 LBS. 34386

MAX 20 1980

STD. HRS. \_\_\_\_\_ TIME 7 AM MAR 19 1980

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| TYPED BY |     |

*Boil out V-322 Done #209*

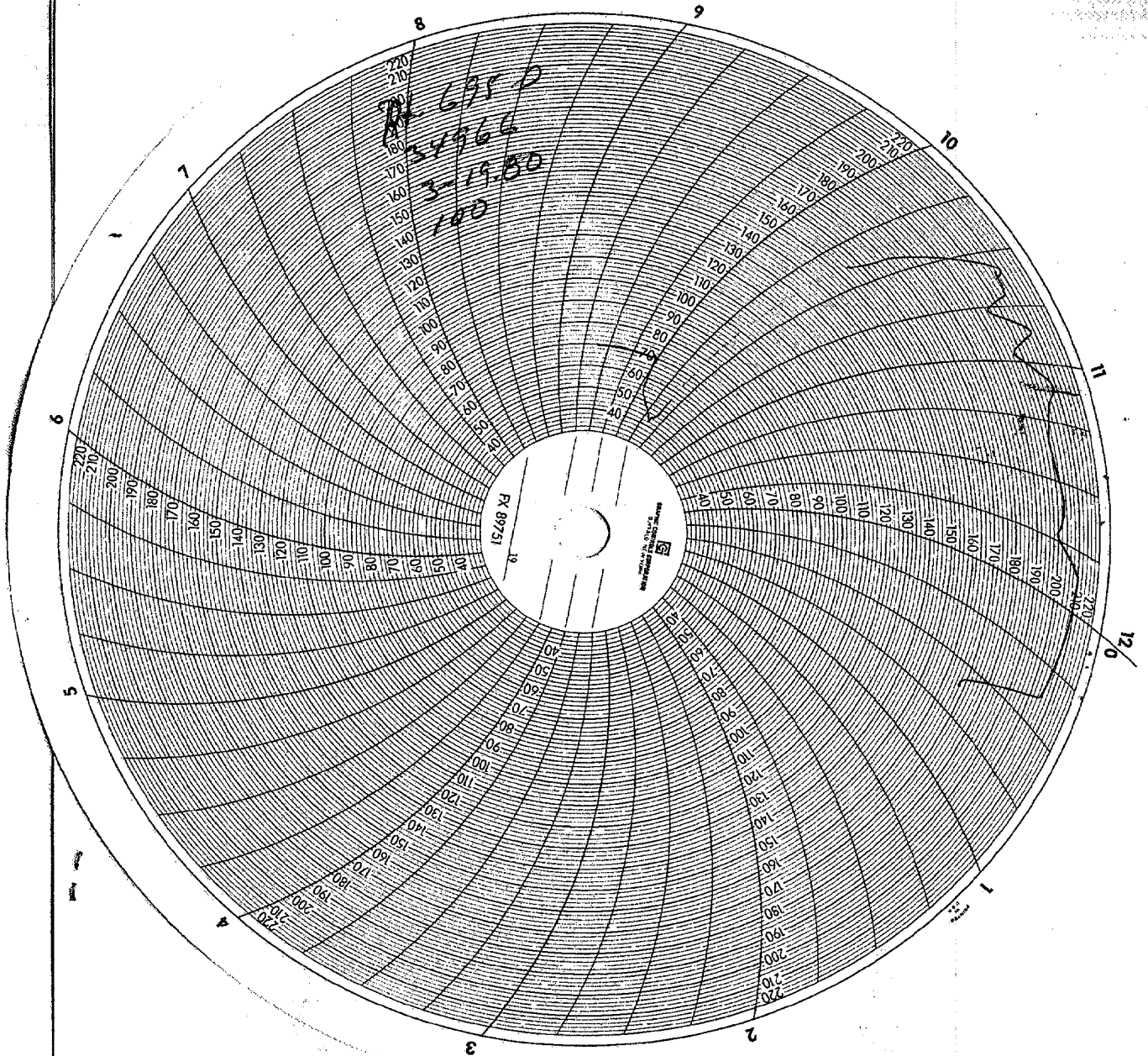
MAR 19 1980

NON-BLEEDING

| EQUIPMENT | NAME: "BON" RED DARK                                                                                                                                                | USE LBS.   | N CODE           | ACCT. LBS. |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------|------------|
| Prep 1    | 1. If necessary, clean, dress sparkler & pre-coat with 15#                                                                                                          |            | 777-A            |            |
|           | 2. Obtain for S 6                                                                                                                                                   |            | 740-C            |            |
|           | 3. Obtain for 32B                                                                                                                                                   |            | 82-C             |            |
| 313 2     | 4. Run 25" (370G) water into V-313                                                                                                                                  |            | 253              |            |
|           | 5. Weigh & pour in <i>48.04</i>                                                                                                                                     | <i>204</i> | 7-D              | 98         |
|           | 6. Turn on agitator & steam & dump in from S 2                                                                                                                      |            | 740-C            | 500        |
|           | Lot 100% <i>36 425 78.62 431</i>                                                                                                                                    |            |                  |            |
|           | <i>1 75 78.21 76</i>                                                                                                                                                |            |                  |            |
|           | <i>WEIGH ON POSTAL BALANCE &amp; DUMP IN 425</i>                                                                                                                    |            | 584-C            | 2          |
|           | 7. Dump in                                                                                                                                                          | 23         | 113-B            | 23         |
|           | 8. Dump in                                                                                                                                                          | 5          | 777-A            | 5          |
|           | 9. Heat to 212-214°F WATCH FOAM                                                                                                                                     |            |                  |            |
|           | 10. Record: BY (+), if necessary add to + BY Assume 50%                                                                                                             |            | 7-D              |            |
|           | 11. Stir 30 min. at 212-214°F, then shut off steam WATCH FOAM                                                                                                       |            |                  |            |
|           | 12. Circulate 15 min or longer thru Sparkler until sol'n is clear                                                                                                   |            |                  |            |
|           | Maintain at 190-195°F for S14 Record: HT <i>200</i> F                                                                                                               |            |                  |            |
|           | & Recorder                                                                                                                                                          |            |                  |            |
|           | Record: Start <i>2:30</i> Total Min <i>30</i> Clarity <i>60</i>                                                                                                     |            |                  |            |
|           | <i>BOILED OUT VIOL FOR Y-714-D</i>                                                                                                                                  |            | <i>152.6</i>     | <i>25</i>  |
| 330 3     | 13. Run 1" (125G) water into V-330                                                                                                                                  |            | 7-D              | 100        |
|           | 14. When S-12 complete, pump V 313 thru Sparkler. Maintain V-313 at 190-195°F. Record: Start <i>1:00</i> Total Min <i>80</i> Sample-From Hose                       |            |                  |            |
|           | Show to supervisor for OK                                                                                                                                           |            |                  |            |
|           | 15. Weigh on Postal Scale & Add Lot                                                                                                                                 |            | <del>584-C</del> |            |
| 322 4     | 16. Run in 2" (66G) water into V-322 <i>BOILED OUT</i>                                                                                                              | <i>50</i>  | 7-D              | <i>25</i>  |
|           | 17. Weigh in (plastic lined Drums) & Pour in & hold for S 28 <i>very important</i>                                                                                  | <i>65</i>  | 28-D             | <i>202</i> |
|           | <i>M 4 31.05</i>                                                                                                                                                    |            |                  |            |
| 313 5     | 18. When S14 complete, close V-313 outlet & stop pump                                                                                                               |            |                  |            |
|           | 19. Run in 13" (192G) water & heat to 180-190°F                                                                                                                     |            |                  |            |
|           | Circulate thru Sparkler until sol'n is clear.                                                                                                                       |            |                  |            |
| 330 6     | 20. Pump V 313 thru Sparkler into V-330 (Sample)                                                                                                                    |            |                  |            |
|           | 21. When MTY-blow out Sparkler into V-330                                                                                                                           |            |                  |            |
|           | 22. RECORD: VOLUME <i>40</i>                                                                                                                                        |            |                  |            |
|           | 23. Heat to 165-170°F Take (1 qt sample)                                                                                                                            |            |                  |            |
|           | Show 1 qt sample to shift supervisor for approval. (Example of acceptable clarification of N-740-C is available in office to compare to) Take sample with agitation |            |                  |            |
|           | 24. If S-23 if OK, continue with S-25. If S-23 is not acceptable re-clarify thru sparkler.                                                                          |            |                  |            |

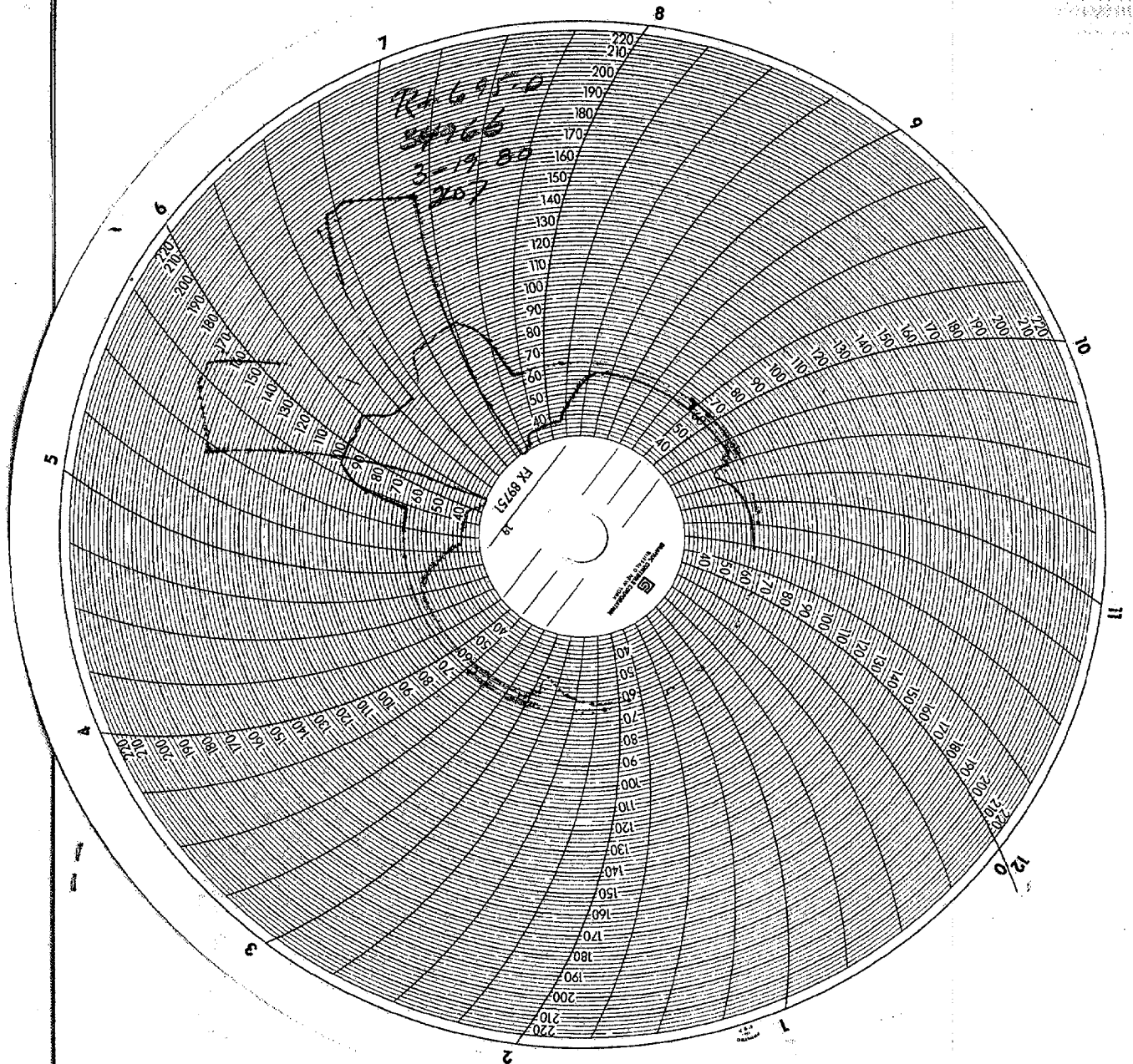
| EQUIPMENT | PAGE | CG | 36 | CODE | RT-695-D                                                                      | EST. WGT.                          | 1350    | LBS. | USE   | N    | ACCT |
|-----------|------|----|----|------|-------------------------------------------------------------------------------|------------------------------------|---------|------|-------|------|------|
|           |      |    |    |      |                                                                               |                                    |         |      | LBS.  | CODE | LB.  |
| 207       | 25   |    |    |      | Run 1" (69G) water into V-207                                                 |                                    |         |      |       |      |      |
| 26        |      |    |    |      | If S-24 is OK, pump V-330 at 165-170°F into V-207                             |                                    |         |      |       |      |      |
| 27        |      |    |    |      | Heat V-207 to 165-170°F                                                       |                                    |         |      |       |      |      |
| 28        |      |    |    |      | Run in V-322, N-28-D, from S17 & rinse in                                     |                                    |         |      |       |      |      |
| 29        |      |    |    |      | Adj to 33" (2277G) at 34-38°F & RECORD: TEMP 35°F                             |                                    | 25x330  |      | 57-A  | 8250 |      |
| 322       | 30   |    |    |      | Run in 22" (755G) water into V-322                                            |                                    |         |      |       |      |      |
| 8         | 31   |    |    |      | Weigh & Pour in                                                               | M 1                                | 48.04   | 443  | 7-D   | 213  |      |
|           | 32   |    |    |      | Dump in from S3                                                               |                                    | Lot 440 | 442  | 252-C | 442  |      |
|           | 33   |    |    |      | Weigh on postal scale & add                                                   | Lot                                |         | 12   | 180-C | 12   |      |
|           | 34   |    |    |      | Heat to 70-90°F                                                               |                                    |         |      |       |      |      |
|           | 35   |    |    |      | Sift in in 1-2 min                                                            |                                    |         | 12   | 567-B | 12   |      |
|           | 36   |    |    |      | Weigh on postal scale & stir to dissolve                                      |                                    |         | 4    | 479-D | 4    |      |
| 100       | 37   |    |    |      | Run in 14" (1391G) water into V-100 & DUMP IN                                 |                                    |         | 50   | 165-A | 50   |      |
| 91        | 38   |    |    |      | Turn on agitator & steam and dump in                                          |                                    |         | 650  | 336-B | 650  |      |
|           | 39   |    |    |      | Dump in                                                                       |                                    |         | 200  | 65-A  | 200  |      |
|           | 40   |    |    |      | Heat to 150-160°F & stir to dissolve N-336-B                                  |                                    |         |      |       |      |      |
|           | 41   |    |    |      | Record: pH 5.3 (5.0-5.5)                                                      |                                    |         |      |       |      |      |
|           | 42   |    |    |      | If pH above 5.5, adj to pH 5.5 or lower                                       | Assume 78%                         |         |      | 27-D  |      |      |
|           |      |    |    |      | Record: pH                                                                    |                                    |         |      |       |      |      |
|           |      |    |    |      | NOTE: If pH below 5.0, do not adj upward                                      |                                    |         |      |       |      |      |
|           | 43   |    |    |      | Hold for S 49                                                                 |                                    |         |      |       |      |      |
| 302       | 44   |    |    |      | Weigh and pour into V-302 for S 47                                            | M 3                                | 33.46   | 496  | 725-A | 166  |      |
| 10        |      |    |    |      |                                                                               |                                    |         |      |       |      |      |
| 322       | 45   |    |    |      | Adj V-322 to 30" (1031) at 77-80°F & RECORD: TEMP 80°F (use Hand Thermometer) |                                    |         | 73   | 39-A  | 73   |      |
| 11        | 46   |    |    |      | Slurry with 30 Gal water in drum, pour in & stir 5 min                        |                                    |         |      |       |      |      |
| 207       | 47   |    |    |      | Run in N-725-A from S44 AFAP into V-207                                       |                                    |         |      |       |      |      |
| 12        | 48   |    |    |      | Stir 30 min at 36-38°F maintaining + Cr, +KI /                                |                                    |         |      | 57-A  |      |      |
|           |      |    |    |      | Record: Time Start 7:30 PM CR + KI + TEMP 35°F (use Hand Thermometer)         |                                    |         |      |       |      |      |
|           |      |    |    |      | NOTE:                                                                         |                                    |         |      |       |      |      |
|           |      |    |    |      | (1) If CR-KI-, add 20# "as is" increments                                     | Assume 32%                         |         |      | 28-D  |      |      |
|           |      |    |    |      | RECORD: CR (+), KI (+)                                                        |                                    |         |      |       |      |      |
|           |      |    |    |      | (2) If CR+KI-, add 20# "as is" increments                                     | Assume 33%                         |         |      | 725-A |      |      |
|           |      |    |    |      | RECORD: CR (+), KI (+)                                                        |                                    |         |      |       |      |      |
|           | 49   |    |    |      | Couple V-322 thru under surface distributor into V-207 in 40-45 min           | Record: Start 8:15 PM Total min 45 |         |      |       |      |      |
|           | 50   |    |    |      | When S 49 complete, stir 15 min                                               |                                    |         |      |       |      |      |
|           |      |    |    |      | Record: DIAZO - (-); BASE + (+); pH 9.0 (7.0-9.0) TEMP 58°F                   |                                    |         |      |       |      |      |
|           |      |    |    |      | NOTE: (1) If pH is 5.0-6.0, weigh & dump in 15# "as is" N-7-D AFAP            |                                    |         |      | 7-D   |      |      |
|           |      |    |    |      | (Diluted to 30 gal)                                                           | Assume 50%                         |         |      |       |      |      |
|           | 51   |    |    |      | If necessary, add to pH 11.2-11.8                                             | Assume 50%                         |         |      | 7-D   |      |      |
|           |      |    |    |      | Record: pH                                                                    | Assume 32%                         |         |      | 28-D  |      |      |
|           | 52   |    |    |      | Adj to pH 9.0-9.5                                                             | Assume 32%                         |         |      | 28-D  |      |      |
|           |      |    |    |      | Record: pH 9.0                                                                | Assume 50%                         |         |      | 7-D   |      |      |
|           |      |    |    |      | NOTE: Add N-7-D in 30# "as is" increments to approach pH 9.0                  |                                    |         |      |       |      |      |
|           |      |    |    |      | 9.5 Then use less N-28-D                                                      |                                    |         |      |       |      |      |
|           |      |    |    |      | Any pH adjustment must be made with N7 or N28 diluted                         |                                    |         |      |       |      |      |
|           |      |    |    |      | to 30 gal in drums & syphoned in                                              |                                    |         |      |       |      |      |
|           |      |    |    |      | 11# ASIS N7 Taken pH from 7.3 → 9.0                                           |                                    |         |      |       |      |      |
|           |      |    |    |      | 18# ASIS N28 Taken pH from 11.2 → 9.5                                         |                                    |         |      |       |      |      |

| QUIPMENT | PAGE 3 | CG 36                                                                                                                  | CODE RT-695-D | EST. WGT. | 1350 | LBS. | USE<br>LBS. | N<br>CODE | ACCT<br>LBS. |
|----------|--------|------------------------------------------------------------------------------------------------------------------------|---------------|-----------|------|------|-------------|-----------|--------------|
| 100      | 53     | During S 49, heat to 210-212°F & shut off steam                                                                        |               |           |      |      |             |           |              |
| 12       |        | NOTE: If necessary, reheat V-100 to 210, 212°F                                                                         |               |           |      |      |             |           |              |
|          |        | Prior to start of strike                                                                                               |               |           |      |      |             |           |              |
| 54       |        | Pump V-207 into V-100 in 60-65 min. Let V-100 temp drop to 200-205°F, then maintain at 200-205°F for balance of strike |               |           |      |      |             |           |              |
|          |        | Record: Start 9:30 PM Total min 60                                                                                     |               |           |      |      |             |           |              |
| 55       |        | When strike complete heat to 210-212°F                                                                                 |               |           |      |      |             |           |              |
| 56       |        | Stir 15 min at 210-212°F                                                                                               |               |           |      |      |             |           |              |
| 57       |        | Flood to 87" (8648G). Record: pH (6.5-7.2)                                                                             |               |           |      |      |             |           |              |
| 58       |        | Stop agitator                                                                                                          |               |           |      |      |             |           |              |
|          |        | SAMPLE - 5 gal                                                                                                         |               |           |      |      |             |           |              |
|          |        | Start                                                                                                                  | Fin           | Optr      |      |      |             |           |              |
|          |        | 3: PM                                                                                                                  | 4: PM         | 72.3      |      |      |             |           |              |
|          |        | 7:00 PM                                                                                                                | 11:00 PM      | 204       |      |      |             |           |              |



DUP050292483

N 31841.01



DUP050292484

N 31841.02