

JUN 14 1982  
T-DATEF2J80  
T-CDT575\* LBS  
( EST WGTCOMTYP JOB NAME: 01YC010BMG  
TYPED BY: JMH

| EQUIP<br>MENT | NAME: MOLYBDATE ORANGE                                                                     | USE<br>LBS | N-CODE      | ACCT<br>LBS |
|---------------|--------------------------------------------------------------------------------------------|------------|-------------|-------------|
| PREP<br>1     | 1 OBTAIN FOR S-20                                                                          | 84 ✓       | 108-A       | 84          |
|               | 2 CALCULATE & SET ON BADGER METER FOR S-23<br>64.40%                                       | 78 ✓       | 33-D        | 50.80       |
|               | 3 OBTAIN FOR S-28                                                                          | 734 ✓      | 4-A         | 734         |
|               | 4 OBTAIN FOR S-32                                                                          | 146 ✓      | 3-A         | 146         |
|               | 5 OBTAIN FOR S-34                                                                          | 237 ✓      | 32-D        | 237         |
|               | 6 OBTAIN FOR S-38                                                                          | 350 ✓      | 3-A         | 350         |
|               | 7 OBTAIN FOR S-41                                                                          | 70 ✓       | 711-B       | 70          |
| 351<br>2      | 8 WEIGH INTO V-351 CHECKED BY: M 20139.15%                                                 | 495 ✓      | 10-D        | 1885        |
| 359<br>3      | 9 WEIGH IN. OPTR 126 MK 37, T-360.26.32%<br>OPTR , MK , T- , %                             | 1151 ✓     | 423-D       | 503<br>350  |
| SV<br>4       | 10 RUN 20" (996 G) WATER INTO V-245                                                        |            |             |             |
|               | 11 RUN IN FROM V-354. OPTR 64, MK 358, *F<br>RECORD: G/ML 1.316 (1.270-1.328) 28.68% 12812 |            | 41-D        | 5110        |
|               | RECORD: PH (2.2-3.7)                                                                       |            |             |             |
|               | 12 ADJ TO 76" (3625G) AT 67-69*F                                                           |            |             |             |
|               | RECORD: TEMP *F                                                                            |            | 57-A        |             |
|               | 13 STIR 5 MIN & RECORD: PH 3.8 (2.2-3.7)                                                   |            |             |             |
|               | 14 IF NECESSARY, ADJ TO PH 3.0-3.1 -ASSUME 60%<br>RECORD: PH 3.05                          |            | 33-D        |             |
|               | NOTE: DILUTE N-7-D 10:1 WITH WATER BEFORE<br>ADDING ASSUME 50%                             | 2 ✓        | 7-D         | 1           |
|               | 15 RECORD: 1.143 G/ML (1.142-1.144)                                                        |            |             |             |
|               | NOTE: IF G/ML OUT OF LIMITS FILL OUT<br>CHECK LIST & ATTACH                                | 200        | 41-D        | 57          |
|               | 16 STIR AT 67-69*F FOR S26. TAKE 1 QT SAMPLE.                                              |            |             |             |
| 358<br>5      | 17 RUN 10" (500 G) WATER INTO V-358                                                        |            |             |             |
|               | 18 RUN V-359 INTO V-351 & PUMP IN V-351                                                    |            |             |             |
|               | 19 ADJ TO 55" (2600 G)                                                                     |            |             |             |
|               | 20 SIFT IN N-108-A FROM S 1                                                                |            |             |             |
|               | 21 STIR 5 MIN & RECORD: PH 10.2 (9.0-10.0)                                                 |            |             |             |
|               | 22 ADJ TO PH 9.8-9.9 & RECORD: PH 9.9<br>ASSUME 50%<br>ASSUME 60%                          |            | 7-D<br>33-D |             |
|               | 23 ADD N-33-D FROM S 2 USING BADGER METER                                                  |            |             |             |
|               | 24 ADJ TO 66" (3121 G) AT 67-69*F<br>RECORD: VOL 66" & 69 *F                               |            |             |             |
|               | 25 STIR 5 MIN & RECORD: PH (7.4-7.6) &<br>G/ML 1.082 (1.080-1.083)                         |            |             |             |
|               | NOTE IF G/ML OUT OF LIMITS FILL OUT CHECK<br>LIST & ATTACH. TAKE 1 QT SAMPLE               |            |             |             |

JUN 24 1982

26 OBTAIN 4 QT SAMPLES OF S-16 & S-25 SOLUTIONS & TITRATE TWICE  
 RECORD: LOWEST PH \_\_\_\_\_ & ML N-10-D \_\_\_\_\_  
 LOWEST PH \_\_\_\_\_ & ML N-10-D \_\_\_\_\_  
 NOTIFY SUPV IF ML N-10-D IS NOT IN RANGE  
 7.1-7.4 OR IF THE TWO TITRATIONS DIFFER  
 BY MORE THAN 0.10 ML N-10-D (IF YES,  
 FLUSH ALL EQUIPMENT & REPEAT TITRATIONS)  
 DO NOT PROCEED IF N-10-D TITRATION IS OUT  
 OF RANGE  
 ADJUST V-358 TO OBTAIN A TITRATION PH = ~~2.15~~ <sup>2.25</sup>  
 (~~2.10-2.20~~) <sup>2.20-2.30</sup>  
 2.00-2.10

33-D  
 7-D

SV 6 27 WHEN S-26 TITRATION OK, STRIKE V-358 THRU BOTH UNDERSURFACE DISTRIBUTORS INTO SV IN 16-18 MIN  
 RECORD: START 4:25 PM, TOTAL MIN 18  
 NOTE: STRIKE TIME UP WHEN 1/2 VAT BOTTOM SHOWS & BUBBLES APPEAR IN SIGHT GLASSES  
 28 IMMEDIATELY DUMP IN N-4-A FROM S 3 & SET TIMER FOR 15 MINUTES  
 29 DURING S 28, WASH IN V-358  
 30 STIR 2 MIN & RECORD PH 1.9 (1.8-2.5)  
 PBXS, + (MUST BE +)  
 31 STIR TOTAL OF 15 MIN FROM S-28 & RECORD: TEMP 73 \*F (67-73\*F)  
 32 DUMP N-3-A FROM S-4  
 33 STIR 3 MIN  
 34 POUR IN N-32-D FROM S-5  
 35 STIR 2 MIN  
 36 RUN IN USING BADGER METER. 734 115-A 367  
 37 STIR 3 MIN & FLUSH ALUM LINE WITH WATER.  
 38 DUMP IN N-3 FROM S-6  
 39 STIR 4 MIN FOR S-43

HERE 390 40 RUN IN USING WEIGHT & FLOW CONTROL PANEL  
 MK 29.89% 351 28-D 105  
 MK \_\_\_\_\_ % 28-D  
 41 DURING S-39 SIFT N-711-B FROM S-7 INTO V-390 WITH AGITATOR ON IN 1-2 MIN  
 42 STIR 1-2 MIN TO MILKY SOLUTION

SV 8 43 WHEN S-39 COMPLETE, IMMEDIATELY RUN IN N-711-B SOLUTION GRADUALLY OVER 5 MIN PERIOD INTO SV WATCH FOAM!!! IF FOAMING IS EXCESSIVE, STOP UNTIL FOAM SUBSIDES.  
 44 DUMP IN 350 ✓ 128-A 350  
 45 STIR 10 MIN  
 46 RECORD: PH 5.6 (5.8-6.0)  
 47 IF NECESSARY, ADJ TO PH 5.8-6.0 ASSUME 50% 30 7-D 15  
 & RECORD: PH \_\_\_\_\_ ASSUME 66% 33-D  
 48 RECORD: TIME 6:00 PM  
 49 FLOOD TO 153" (7619 G)  
 50 STOP AGITATOR

START FINISH OPTR HELPER  
3:00 PM 6:00 PM 86 499  
1:15 PM 1:30 PM 126