

11/12/82
(DATE)L2K06
(LOT)4448* LBS.
(EST WT)

COMTYP JOB NAME: 01YE721DMM

BLENDED BACK: CG 01, PQ 98,

(CODE)

(LOT)

(POUNDS)

EQUIP MENT	NAME: MOLYBDATE RED	USE LBS	N-CODE	ACCT LBS
PREP 1	1 OBTAIN FOR S-12	68	108-A	68
	2 OBTAIN FOR S-34	600	4-A	600
	3 OBTAIN FOR S-38	120	3-A	120
	4 OBTAIN FOR S-40	195	32-D	195
	5 OBTAIN FOR S-44	350	3-A	350
	6 OBTAIN FOR S-47	61	711-BD	61
351 2	WEIGH IN: OPTR _____, MK _____, T- _____, 37.56 %	460.8	10-D	1509
	OPTR _____, MK _____, T- _____, _____ %			
359 3	8 WEIGH IN: OPTR _____, MK 71, T- 36.0, 33.03 %	736	423-D	243
	OPTR _____, MK _____, T- _____, _____ %			
358 4	9 RUN 10" (500 G) WATER INTO V-358			
	10 RUN V-359 INTO V-351 & PUMP IN V-351			
	11 ADJ TO 55" (2600 G)			
	12 SIFT IN N-108-A FROM S 1			
	13 STIR 5 MIN & RECORD: PH 10.2 (9.0-10.0)			
	14 ADJ TO PH 9.8-9.9 & RECORD: PH 9.9			
	ASSUME 50%		7-D	
	ASSUME 66%	1	33-D	1
	15 RUN INTO V-351 FROM BADGER METER			
	OPTR _____, MK 3, 30.84 %	146	28-D	54
	16 PUMP FROM V-351 TO V-358			
	17 FLUSH V-351 & PUMPING LINES WITH 1000G			
	WATER INTO V-358			
	18 ADJ TO 74" (3530 G) AT 67-69°F			
	RECORD: VOL 74" & 67" °F			
	19 STIR 5 MIN & RECORD: PH 7.4 (7.2-7.4) &			
	G/ML 1.058 (1.055-1.058)			
	NOTE IF G/ML OUT OF LIMITS FILL OUT CHECK			
	LIST & ATTACH. TAKE 1 QT SAMPLE.			
SV 5	20 RUN 20" (996 G) WATER INTO V-_____			
	RECORD N-41-D STORAGE TANK TO PUMP FROM.			
	CIRCLE ONE: 402 410 411 420 424 425			
	21 CHECK WITH CU SUPV:			
	*STORAGE TANK MUST CONTAIN AT LEAST 1900			
	GAL: 402=39", 410=20", 411=38", 420=20",			
	424=20", 425=25"			
	*STORAGE TANK MUST HAVE STIRRED AT LEAST			
	20 MIN SINCE LAST ADDITION OR ADJUSTMENT			
	*STORAGE TANK MUST BE ISOLATED UNTIL ALL			
	PUMPING FOR THIS BATCH IS COMPLETE			
	22 SET METER FOR 300 G & PUMP TO SV 247			

NOTE →

SEE S-46

NOV 15 1982

EQUIP MENT	USE LBS	N- CODE	ACCT LBS																																																																																																																																				
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AT APPROX 100 G WHILE CONTINUING TO PUMP, CHECK PH & DENSITY. RECORD BELOW. IF NOT IN RANGE, STOP PUMPING & SEE SUPV. * PH <u>2.2</u> (2.2-3.7) * DENSITY: <u>1.327</u> G/ML (1.270-1.328) 24 IF S-23 OK & WHEN S-22 COMPLETE, RECORD DENSITY <u>1.327</u> G/ML ON TRAPPED SAMPLE FROM END OF S-22 PUMPING. 25 USING DENSITY FROM S-24, FIND METER SETTING FOR SECOND PUMPING IN TABLE BELOW. NOTE: TABLE ACCOUNTS FOR 300 G ALREADY PUMPED IN S-22. CIRCLE DENSITY & SETTING IN TABLE BELOW. **** TABLE **** <table border="1"> <thead> <tr> <th>G/ML</th> <th>SETTING</th> <th>G/ML</th> <th>SETTING</th> <th>G/ML</th> <th>SETTING</th> </tr> </thead> <tbody> <tr><td>1.270</td><td>1259</td><td>1.291</td><td>1146</td><td>1.312</td><td>1049</td></tr> <tr><td>1.271</td><td>1253</td><td>1.292</td><td>1141</td><td>1.313</td><td>1045</td></tr> <tr><td>1.272</td><td>1248</td><td>1.293</td><td>1136</td><td>1.314</td><td>1040</td></tr> <tr><td>1.273</td><td>1242</td><td>1.294</td><td>1131</td><td>1.315</td><td>1036</td></tr> <tr><td>1.274</td><td>1236</td><td>1.295</td><td>1126</td><td>1.316</td><td>1032</td></tr> <tr><td>1.275</td><td>1231</td><td>1.296</td><td>1121</td><td>1.317</td><td>1027</td></tr> <tr><td>1.276</td><td>1225</td><td>1.297</td><td>1116</td><td>1.318</td><td>1023</td></tr> <tr><td>1.277</td><td>1219</td><td>1.298</td><td>1112</td><td>1.319</td><td>1019</td></tr> <tr><td>1.278</td><td>1214</td><td>1.299</td><td>1107</td><td>1.320</td><td>1015</td></tr> <tr><td>1.279</td><td>1208</td><td>1.300</td><td>1103</td><td>1.321</td><td>1010</td></tr> <tr><td>1.280</td><td>1203</td><td>1.301</td><td>1098</td><td>1.322</td><td>1006</td></tr> <tr><td>1.281</td><td>1198</td><td>1.302</td><td>1094</td><td>1.323</td><td>1003</td></tr> <tr><td>1.282</td><td>1193</td><td>1.303</td><td>1089</td><td>1.324</td><td>999</td></tr> <tr><td>1.283</td><td>1187</td><td>1.304</td><td>1084</td><td>1.325</td><td>995</td></tr> <tr><td>1.284</td><td>1182</td><td>1.305</td><td>1080</td><td>1.326</td><td>991</td></tr> <tr><td>1.285</td><td>1177</td><td>1.306</td><td>1076</td><td><u>1.327</u></td><td><u>987</u></td></tr> <tr><td>1.286</td><td>1171</td><td>1.307</td><td>1070</td><td>1.328</td><td>983</td></tr> <tr><td>1.287</td><td>1166</td><td>1.308</td><td>1066</td><td>1.329</td><td>979</td></tr> <tr><td>1.288</td><td>1161</td><td>1.309</td><td>1061</td><td>1.330</td><td>975</td></tr> <tr><td>1.289</td><td>1155</td><td>1.310</td><td>1057</td><td>1.331</td><td>971</td></tr> <tr><td>1.290</td><td>1151</td><td>1.311</td><td>1053</td><td>1.332</td><td>967</td></tr> </tbody> </table> 26 SET METER & PUMP <u>987</u> G (RECORD FROM TABLE) FLUSH LINE WITH WATER INTO SV FOR APPROXIMATELY 30 SECONDS 27 ADJ LEAD NITRATE TO 3244 G (68"-242/245 & 66.5" 247) AT 67-69°F RECORD: _____ *F & ICE CONSUMED (330#/BLOCK) 330X 28 STIR 5 MIN & RECORD PH: <u>3.0</u> (2.2-3.7) 57-A **** USE TITRIMETER TO ADJUST N-41-D PH **** 29 IF NECESSARY ADJ TO PH 3.0-3.1 ASSUME 66% 33-D & RECORD PH: _____ ASSUME 50% 7-D NOTE: DILUTE N-7-D 10:1 WITH WATER BEFORE ADDING 30 RECORD: <u>1.130</u> G/ML (1.128-1.129) IF OUT OF SPEC FILL OUT CHECK LIST & ATTACH. 31 STIR AT 67-69°F FOR S-33. TAKE 1 QT SAMPLE.				G/ML	SETTING	G/ML	SETTING	G/ML	SETTING	1.270	1259	1.291	1146	1.312	1049	1.271	1253	1.292	1141	1.313	1045	1.272	1248	1.293	1136	1.314	1040	1.273	1242	1.294	1131	1.315	1036	1.274	1236	1.295	1126	1.316	1032	1.275	1231	1.296	1121	1.317	1027	1.276	1225	1.297	1116	1.318	1023	1.277	1219	1.298	1112	1.319	1019	1.278	1214	1.299	1107	1.320	1015	1.279	1208	1.300	1103	1.321	1010	1.280	1203	1.301	1098	1.322	1006	1.281	1198	1.302	1094	1.323	1003	1.282	1193	1.303	1089	1.324	999	1.283	1187	1.304	1084	1.325	995	1.284	1182	1.305	1080	1.326	991	1.285	1177	1.306	1076	<u>1.327</u>	<u>987</u>	1.286	1171	1.307	1070	1.328	983	1.287	1166	1.308	1066	1.329	979	1.288	1161	1.309	1061	1.330	975	1.289	1155	1.310	1057	1.331	971	1.290	1151	1.311	1053	1.332	967
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SV 5 CONT	32	OBTAIN 1 QT SAMPLES OF S-19 & S-31 SOLUTIONS & TITRATE TWICE NOTIFY SUPV IF ML N-10-D IS NOT IN RANGE 9.5-9.9 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 FOR A TITRATION PH OF 1.80 TO 1.90 FROM FINAL IN-LINE TITRATION, RECORD LOWEST PH _____ & ML N-10-D _____ <u>1.90-2.00</u>				33-D 7-D
SV 6	33	WHEN S-32 TITRATION OK, STRIKE V-358 THRU BOTH UNDERSURFACE DISTRIBUTORS INTO SV IN 44-46 MIN RECORD: START <u>2:15 AM</u> , TOTAL MIN <u>46</u> NOTE: STRIKE TIME UP WHEN 1/2 VAT BOTTOM SHOWS & BUBBLES APPEAR IN SIGHT GLASSES				
	34	IMMEDIATELY DUMP IN N-4-A FROM S 2 & SET TIMER FOR 15 MINUTES				
	35	DURING S 34, WASH IN V-358				
	36	STIR 2 MIN & RECORD PH <u>2.0</u> (1.7-1.8) FBXS, <u>+</u> (MUST BE +)				
	37	STIR TOTAL OF 15 MIN FROM S-34 & RECORD: TEMP <u>71</u> *F (67-73°F)				
	38	DUMP N-3-A FROM S-3				
	39	STIR 3 MIN				
	40	POUR IN N-32-D FROM S-4				
	41	STIR 2 MIN				
	42	RUN IN LIQUID ALUM USING BADGER METER	604	115-D	302	
	43	STIR 3 MIN & FLUSH ALUM LINE WITH WATER				
	44	DUMP IN N-3 FROM S-5				
	45	STIR 4 MIN FOR S-49				
390 7	46	RUN IN HYDROCHLORIC ACID USING WEIGHT & FLOW CONTROL PANEL MK <u>3</u> , <u>30.84</u> % MK _____, _____ %	<u>198</u>	28-D 28-D	<u>61</u> <u>90</u>	
	47	DURING S-45 SIFT N-711-B FROM S-6 INTO V-390 WITH AGITATOR ON IN 1-2 MIN				
	48	STIR 1-2 MIN TO MILKY SOLUTION				
SV 8	49	WHEN S-45 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.				
	50	DUMP IN BLANC FIXE N	275	128-A	275	
	51	WHEN SCHEDULED, DUMP IN BLEND BACK LISTED ON TOP OF PAGE 1				
		RECORD: CODE _____, LOT _____ #				
	52	STIR 20 MIN				
	53	RECORD: PH <u>5.9</u> (5.8-6.0)				
	54	IF NECESSARY, ADJ TO PH 5.8-6.0 ASSUME 50% & RECORD: PH- _____ ASSUME 66%		7-D 33-D		
	55	FLOOD TO 153" (7298 G) & STOP AGITATOR				
		START <u>11:00 PM</u> FINISH <u>3:35 AM</u> OPTR <u>129-320-201</u>				