

USNS GEN JOHN POPE (T-AP110)

LOW PRESSURE DISTILLING PLANT OPERATING RECORD

PLANT NO: 7 DATE: 12-6-67

HOURLY ENDING:	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
STEAM TO REG. VALVE, PRESSURE #G	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
STEAM FROM REG. VALVE, PRESSURE #G	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
STEAM TO 1ST EFFECT, TEMPERATURE, °F	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230
1ST EFFECT COIL DRAIN, TEMPERATURE, °F	210	210	210	205	205	205	205	205	205	205	205	205	205	205	205	205	210	210	210	210	210	210	210	210
1ST EFFECT SHELL PRESSURE, "HG	15	15	15	15	15	15	15	15	15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16
2ND EFFECT SHELL PRESSURE, "HG	17	17	17	17	17	17	17	17	17	17	17	18	18	18	18	18	18	18	18	18	18	18	18	18
3RD EFFECT SHELL PRESSURE, "HG	23	23	23	23	23	23	23	23	23	23	23	25	24	24	24	24	24	24	24	24	24	24	24	24
CONDENSATE FROM COOLER, TEMPERATURE, °F	94	94	92	94	94	94	94	94	94	94	94	92	92	92	92	92	92	92	92	92	92	92	92	92
STEAM TO AIR EJECTOR, PRESSURE, #G	96	96	96	94	94	94	94	94	94	94	94	96	96	96	96	96	96	96	96	96	96	96	96	96
FEED TO AIR EJECTOR CONDENSER, TEMPERATURE °F	104	104	102	102	102	102	102	102	102	102	102	100	100	100	100	100	102	102	102	104	104	104	104	104
FEED TO SECOND 2D EFFECT VAP. FD. HEATER, TEMPERATURE °F																								
FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F																								
FEED TO 1ST EFFECT, TEMPERATURE, °F	144	144	144	144	144	144	144	144	144	144	144	140	142	142	142	142	142	142	142	142	142	142	142	142
BRINE PUMP DISCHARGE PRESSURE, #G	25	30	30	30	30	30	30	30	30	30	30	22	22	22	22	22	22	22	22	22	22	22	22	22
1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G	50	58	45	55	55	50	50	40	40	40	40	56	50	45	62	62	62	62	62	62	62	62	62	62
BRINE OVERBOARD DENSITY, 32NDS	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
AIR EJECTOR DRAINS, SALINITY--E.P.M.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1ST EFFECT DRAINS, SALINITY--E.P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SCALING RECORD

	EFFECT		
	NO. 1	NO. 2	NO. 3
HOURS BROUGHT FOWARD			
GALLONS BROUGHT FOWARD			

REMARKS	
0000-0400	1200-1600
SIGNED	SIGNED
0400-0800	1600-2000
SIGNED	SIGNED
0800-1200	2000-2400

USAS GEN JOHN POPE (T-AP110)

LOW PRESSURE DISTILLING PLANT OPERATING RECORD

PLANT NO:

1

DATE:

12-6-67

Set clocks ahead 20 min. @ 2300-0100-0500

HOUR ENDING	METER READING	SHIPS TANKS	REED TANKS	0000-0400	1200-1600
0000	14079200			#1 EVAP DIST TO #1 STBD	#1 EVAP DIST TO #3 STBD
0100	14090800	900			
0200	14091600	800			
0300	14092200	600 40 MIN			ADDED 80Z CHLORINE
0400	14093100		900		PER 1000 GALS. DIST
0500	14093900		800		
0600	14094700		800		
0700	14095300	40 MIN	600	McRoy Hill	McRoy Hill
0800	14096100		800		
0900	14098000		900	0400-0800	1600-2000
1000	14097900		900	#1 EVAP. DIST. TO #1 STBD	#1 EVAP. DIST. TO #3 STBD
1100	14098700		800		ADDED 80Z CHLORINE
1200			6500		PER 1000 GALS. DIST
1300	14080100	900			
1400	14081000	900			
1500	14081800	800			
1600	14082600	900			
1700	14083300	900			
1800	14084400	900		0800-1200	2000-2400
1900	14085200	800		#1 EVAP. DIST	#1 EVAP. DIST.
2000	14086000	800		TO #1 STBD FEED	TO #1 STBD FEED
2100	14086900	900			
2200	14087700	800			
2300	14088500	800 40 MIN			
2400	14089100	600 40 MIN			
2500	14089900	800			

13,000

R. J. Magallanes R. J. Magallanes

USNS GEN JOHN POPE (T-AP110)

LOW PRESSURE DISTILLING PLANT OPERATING RECORD

PLANT NO: 7

DATE: 12-5-67

HOUR ENDING:	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
STEAM TO REG. VALVE, PRESSURE #G	9	9	9	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	9	9
STEAM FROM REG. VALVE, PRESSURE #G	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
STEAM TO 1ST EFFECT, TEMPERATURE, °F	236	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230
1ST EFFECT COIL DRAIN, TEMPERATURE, °F	205	205	205	205	205	205	205	205	205	205	205	210	210	210	210	210	210	210	210	210	210	210	210	210
1ST EFFECT SHELL PRESSURE, "HG	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
2ND EFFECT SHELL PRESSURE, "HG	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
3RD EFFECT SHELL PRESSURE, "HG	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
CONDENSATE FROM COOLER, TEMPERATURE, °F	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94
STEAM TO AIR EJECTOR, PRESSURE, #G	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
FEED TO AIR EJECTOR CONDENSER, TEMPERATURE °F	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
FEED TO SECOND 2D EFFECT VAP. FD. HEATER, TEMPERATURE °F																								
FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F																								
FEED TO 1ST EFFECT, TEMPERATURE, °F	158	158	158	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
BRINE PUMP DISCHARGE PRESSURE, #G	18	18	18	18	18	20	22	22	22	22	22	30	30	30	30	33	33	33	33	33	33	33	33	33
1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G	50	50	60	45	50	50	60	45	45	45	45	35	35	35	35	35	35	35	35	35	35	35	35	35
BRINE OVERBOARD DENSITY, 32NDS	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
AIR EJECTOR DRAINS, SALINITY--E.P.M.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1ST EFFECT DRAINS, SALINITY--E.P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SCALING RECORD

	EFFECT		
	NO. 1	NO. 2	NO. 3
HOURS BROUGHT FOWARD			
GALLONS BROUGHT FOWARD			

REMARKS

0000-0400

1200-1600

SIGNED

SIGNED

0400-0800

1600-2000

SIGNED

SIGNED

0800-1200

2000-2400

USNS GEN JOHN POPE (T-AP110)

1
LOW PRESSURE DISTILLING PLANT OPERATING RECORD

PLANT NO:

1

DATE:

12-5-67

HOOR ENDING	METER READING	SHIPS TANKS	REED TANKS	0000-0400	1200-1600
0000	14058000			#1 EVAP DIST TO #3 STBD	#1 EVAP DIST TO #3 STBD
0100	14060200	800		Pot	Pot
0200	14071100	900		ADDED 80Z CHLORINE	ADDED 80Z CHLORINE
0300	14072000	900		PER 1000 GALS	PER 1000 GALS DIST
0400	14072900	900			
0500	14073800	900			
0600	14074700	900			
0700	14075600	900		McRay Hill	McRay Hill
0800	14076500	900		0400-0800	1600-2000
0900	14077400	900		#1 EVAP DIST TO #3S	#1 EVAP DIST TO #3S
1000	14078300	900		Added 80Z chlorine	Added 80Z chlorine per
1100	14079200	900		per 1000 Gals. Dist.	1000 Gals Dist.
1200	14080100	900			
1300	14081000	900			
1400	14081900	800			
1500	14082800	800			
1600	14083700	900		R. Sheppard	R. Sheppard
1700	14084600	900		0800-1200	2000-2400
1800	14085500	900		#1 EVAP DIST	#1 EVAP DIST
1900	14086400	900		TO #3 PORT @ 10:15	TO #3 STBD
2000	14087300	800		DIST TO #3 STBD	Added 80Z chlorine
2100	14088200	900		Added 80Z chlorine	per 1000
2200	14089100	900		PER 1000	B. J. Magallon
2300	14090000	900			
2400	14090900	900			

20,700

USNS GEN JOHN POPE (T-AP110)

LOW PRESSURE DISTILLING PLANT OPERATING RECORD

PLANT NO. IIDATE: 12-5-67

HOUR ENDING:	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
STEAM TO REG. VALVE, PRESSURE #G	8	8	9	10	10	10	10										8	8	8	8	8	8	8	8
STEAM FROM REG. VALVE, PRESSURE #G	1	1	2	2	2	2	2										1	1	2	2	2	2	2	2
STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G	2	2	3	3	3	3	3										2	2	3	3	3	3	3	3
STEAM TO 1ST EFFECT, TEMPERATURE, °F	230	230	230	230	230	230	230										230	230	230	230	230	230	230	230
1ST EFFECT COIL DRAIN, TEMPERATURE, °F	205	205	205	205	205	205	205										205	205	205	205	205	205	205	205
1ST EFFECT SHELL PRESSURE, "HG	5	5	5	5	5	5	5										5	5	5	5	5	5	5	5
2ND EFFECT SHELL PRESSURE, "HG	22	22	22	22	22	22	22										22	22	22	22	22	22	22	22
3RD EFFECT SHELL PRESSURE, "HG	24	24	24	24	24	24	24										24	24	24	24	24	24	24	24
CONDENSATE FROM COOLER, TEMPERATURE, °F	96	96	96	96	96	96	96										96	96	96	96	96	96	96	96
STEAM TO AIR EJECTOR, PRESSURE, #G	98	98	98	98	98	98	98										98	98	98	98	98	98	98	98
FEED TO AIR EJECTOR CONDENSER, TEMPERATURE °F	100	100	100	100	100	100	100										100	100	100	100	100	100	100	100
FEED TO SECOND 2D EFFECT VAP. FD. HEATER, TEMPERATURE °F																								
FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F	144	144	144	144	144	144	144										144	144	144	144	144	144	144	144
FEED TO 1ST EFFECT, TEMPERATURE, °F	164	164	164	164	164	164	164										164	164	164	164	164	164	164	164
BRINE PUMP DISCHARGE PRESSURE, #G	16	16	16	16	16	16	16										16	16	16	16	16	16	16	16
1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G	35	35	35	35	35	35	35										35	35	35	35	35	35	35	35
BRINE OVERBOARD DENSITY, 32NDS	1.5	1.5	1.5	1.5	1.5	1.5	1.5										1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
AIR EJECTOR DRAINS, SALINITY--E.P.M.	02	02	02	02	02	02	02										02	02	02	02	02	02	02	02
1ST EFFECT DRAINS, SALINITY--E.P.M.	0	0	0	0	0	0	0										0	0	0	0	0	0	0	0

SCALING RECORD

	EFFECT		
	NO. 1	NO. 2	NO. 3
HOURS BROUGHT FOWARD			
GALLONS BROUGHT FOWARD			

REMARKS

0000-0400

1200-1600

SIGNED

SIGNED

0400-0800

1600-2000

SIGNED

SIGNED

0800-1200

2000-2400

USNS GEN JOHN POPE (T-AP110)

H

LOW PRESSURE DISTILLING PLANT OPERATING RECORD

PLANT NO: 11DATE: 12-5-67

HOOR ENDING	METER READING	SHIPS TANKS	REED TANKS	0000-0400	1200-1600
0000					
0100	09084000	1300		#2 EVAP DIST TO #3	
0200	09085400	1400		STBD PWT	
0300	09086700	1300		ADDED 8 OZ CHLORINE	
0400				PER 1000 GALS DIST	
0500					
0600					
0700				MERRY HILL	
0800				0400-0800	1600-2000
0900				#2 Evap. Dist. 70735	@ 1645 kit off #2 Evap
1000				Added 8 oz chlorine	Dist. 70 Bilge
1100				per 1000 Gals. Dist.	
1200					
1300					
1400					
1500					
1600				R. Shippard	R. Shippard
1700					
1800				0800-1200	2000-2400
1900				#2 EVAP.	#2 EVAP. Dist
2000					to bilge @ 2100 Dist
2100	09078000			SECURED @ 0830	to #3 STBD.
2200	09079600	1600			Added 8 oz chlorine
2300	09081200	1600			
2400	09082700	1500			

8,700

B. J. Gallan

B. J. Gallan

USNS GEN JOHN POPE (T-AP110)

LOW PRESSURE DISTILLING PLANT OPERATING RECORD

PLANT NO: 1DATE: 12-4-67

HOUR ENDING:	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
STEAM TO REG. VALVE, PRESSURE #G	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
STEAM FROM REG. VALVE, PRESSURE #G	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
STEAM TO 1ST EFFECT, TEMPERATURE, °F	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230
1ST EFFECT COIL DRAIN, TEMPERATURE, °F	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210
1ST EFFECT SHELL PRESSURE, "HG	14	15	15	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
2ND EFFECT SHELL PRESSURE, "HG	16	17	17	17	17	17	17	17	17	17	17	17	17	16	16	16	16	16	16	16	16	16	16	16
3RD EFFECT SHELL PRESSURE, "HG	23	24	24	24	24	24	24	24	24	24	24	24	24	23	23	23	23	23	23	23	23	23	23	23
CONDENSATE FROM COOLER, TEMPERATURE, °F	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94
STEAM TO AIR EJECTOR, PRESSURE, #G	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94
FEED TO AIR EJECTOR CONDENSER, TEMPERATURE °F																								
FEED TO SECOND 2D EFFECT VAP. FD. HEATER, TEMPERATURE °F																								
FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F																								
FEED TO 1ST EFFECT, TEMPERATURE, °F	166	164	164	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
BRINE PUMP DISCHARGE PRESSURE, #G	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
BRINE OVERBOARD DENSITY, 32NDS	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
AIR EJECTOR DRAINS, SALINITY--E.P.M.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1ST EFFECT DRAINS, SALINITY--E.P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SCALING RECORD

	EFFECT		
	NO. 1	NO. 2	NO. 3
HOURS BROUGHT FOWARD			
GALLONS BROUGHT FOWARD			

REMARKS

0000-0400	1200-1600	
0400-0800	1600-2000	
0800-1200	2000-2400	

SIGNED

SIGNED

SIGNED

SIGNED

USAS GEN JOHN POPE (T-AP110)

LOW PRESSURE DISTILLING PLANT OPERATING RECORD

PLANT NO: 1DATE: 12-4-67

Set clocks ahead 20 min - 02300 - 0100 - 0500

HOOR ENDING	METER READING	SHIPS TANKS	REED TANKS	0000-0400	1200-1600
0000	14038100			# II EVAP + DIST TO #3 STBD	# I EVAP DIST TO #3 STBD PORT
0100	14038800	1000			
0200	14039500	700 40 min		PORT	
0300				ADDED 80% CHLORINE PER	ADDED 80% CHLORINE PER
0400	14040200	600		1000 GALS DIST	1000 DIST
0500	14040900	1000			
0600	14041600	500 40 min			
0700	14042300	1000		McRay Hill	McRay Hill
0800	14043000	900			
0900	14043700	800		# I Evap dist. to #3 S	# I Evap dist. to #3 S
1000	14044400	900			
1100	14045100	960		Added 80% chlorine	Added 80% chlorine per
1200	14045800	1000		per 1000 Gals dist.	1000 Gals dist
1300	14046500	1000			
1400	14047200	1000			
1500	14047900	960			
1600	14048600	900			
1700	14049300	1000			
1800	14050000	1000			
1900	14050700	900			
2000	14051400	1000			
2100	14052100	1000			
2200	14052800	700 40 min			
2300	14053500	1100			
2400	14054200	800			

20200
1

R. Shippard

I EVAP DIST
TO # - 3 PORT.

Added 80% chlorine

per 1000 - B. J. Vignola

R. Shippard

I EVAP DIST
TO # - 3 STBD

Added 80% chlorine

per 1000 - B. J. Vignola

USNS GEN JOHN POPE (T-AP110)

1
LOW PRESSURE DISTILLING PLANT OPERATING RECORD

PLANT NO: 1

DATE: 12-3-67

HOOR ENDING	METER READING	SHIPS TANKS	FEED TANKS	0000-0400	1200-1600
0000	14011200			#1 EVAP DIST TO #3 STD	#1 EVAP DIST TO #3 STD
0100	14021800	1000			POT. _____
0200	14026800	1000		ADDED 80% CHLORINE	ADDED 80% CHLORINE PER
0300	14027800	1000		PER 1000 GALS	1000 GALS DIST
0400	14029300	1500			
0500	14030400	1100			
0600	14031500	1100			
0700	14033200	1000			THORAY HILL
0800	14034300	1000			
0900	14035300	1000		#1 EVAP DIST TO #3	#1 EVAP DIST TO #3 STD
1000	14036300	1000		ADDED 80% CHLORINE PER	ADDED 80% CHLORINE PER
1100	14037300	1000		1000 GALS DIST.	1000 GALS DIST.
1200	14038000	1000			
1300	14013800	1000			
1400	14014800	1000			
1500	14015800	1000			
1600	14016800	1000			
1700	14017800	1000			
1800	14018900	1100			
1900	14019900	1000			
2000	14020900	1000			
2100	14021900	1000			
2200	14022900	1000			
2300	14023800	900			
2400	14024800	1000			

24,700

R. Shippard

R. Shippard

2000-2400
#1 EVAP DIST
TO #3 PORT. @ 23:00
SHIFTED DIST. TO #3
STD. ADDED 80% CHLORINE
PER 1000 GALS
B. J. Magallon

USNS GEN JOHN POPE (T-AP110)

LOW-PRESSURE DISTILLING PLANT OPERATING RECORD

PLANT NO:

DATE: 12-3-67

HOUR ENDING:	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
STEAM TO REG. VALVE, PRESSURE #G	9	9	9	9	9	9	9					9	9	9	9	9	9	9	9	9	9	9	9	9
STEAM FROM REG. VALVE, PRESSURE #G	4	4	4	4	4	4	4					4	4	4	4	4	4	4	4	4	4	4	4	4
STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G	3	3	3	3	3	3	3					3	3	3	3	3	3	3	3	3	3	3	3	3
STEAM TO 1ST EFFECT, TEMPERATURE, °F	230	230	230	230	230	230	230					230	230	230	230	230	230	230	230	230	230	230	230	230
1ST EFFECT COIL DRAIN, TEMPERATURE, °F	210	210	210	210	210	210	210					210	210	210	210	210	210	210	210	210	210	210	210	210
1ST EFFECT SHELL PRESSURE, "HG	12	12	12	12	12	12	12					13	13	13	13	12	12	12	12	12	12	12	12	12
2ND EFFECT SHELL PRESSURE, "HG	16	16	16	16	16	16	16					16	16	16	16	16	16	16	16	16	16	16	16	16
3RD EFFECT SHELL PRESSURE, "HG	23	23	23	23	23	23	23					23	23	23	23	23	23	23	23	23	23	23	23	23
CONDENSATE FROM COOLR, TEMPERATURE, °F	96	96	96	96	96	96	96					97	97	96	96	96	96	96	96	96	96	96	96	96
STEAM TO AIR EJECTOR, PRESSURE, #G	94	94	94	94	94	94	94					98	98	98	98	94	94	94	94	94	94	94	94	94
FEED TO AIR EJECTOR CONDENSER, TEMPERATURE °F																								
FEED TO SECOND 2D EFFECT VAP. FD. HEATER, TEMPERATURE °F																								
FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F																								
FEED TO 1ST EFFECT, TEMPERATURE, °F	154	156	156	162	166	166	166					154	154	154	154	164	164	164	164	164	164	164	164	164
BRINE PUMP DISCHARGE PRESSURE, #G	20	20	25	25	25	25	25					32	32	34	34	30	30	30	30	30	30	30	30	30
1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G	64	64	64	64	64	64	64					64	64	64	64	64	64	64	64	64	64	64	64	64
BRINE OVERBOARD DENSITY, 32NDS	1.5	1.5	1.5	1.5	1.5	1.5	1.5					1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
AIR EJECTOR DRAINS, SALINITY--E.P.M.																								
1ST EFFECT DRAINS, SALINITY--E.P.M.	0	0	0	0	0	0	0					0	0	0	0	0	0	0	0	0	0	0	0	0

SCALING RECORD

	EFFECT		
	NO. 1	NO. 2	NO. 3
HOURS BROUGHT FOWARD			
GALLONS BROUGHT FOWARD			

REMARKS

0000-0400	1200-1600
SIGNED	SIGNED
0400-0800	1600-2000
SIGNED	SIGNED
0800-1200	2000-2400

USNS GEN JOHN POPE (T-AP110)

LOW PRESSURE DISTILLING PLANT OPERATING RECORD

PLANT NO: 2

DATE: 12-3-67

[illegible]

USNS GEN JOHN POPE (T-AP110)

LOW PRESSURE DISTILLING PLANT OPERATING RECORD

PLANT NO:

DATE: 12-9-67

STEAM TO REG. VALVE, PRESSURE #G	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
STEAM FROM REG. VALVE, PRESSURE #G	9	9	9	9	9	9	9					8	8	8	8	9	9	9	9	9	9	9	9	9
STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G	3	3	3	3	3	3	3					2	2	2	2	3	3	3	3	3	3	3	3	3
STEAM TO 1ST EFFECT, TEMPERATURE, °F	4	4	4	4	4	4	4					3	3	3	3	4	4	4	4	4	4	4	4	4
1ST EFFECT COIL DRAIN, TEMPERATURE, °F	231	230	230	230	230	230	230					230	230	230	230	230	230	230	230	230	230	230	230	230
1ST EFFECT SHELL PRESSURE, "HG	210	210	210	210	210	210	210					210	210	210	210	210	210	210	210	210	210	210	210	210
2ND EFFECT SHELL PRESSURE, "HG	7	8	8	8	8	8	8					7	7	7	7	7	7	7	7	7	7	7	7	7
3RD EFFECT SHELL PRESSURE, "HG	22	22	22	22	22	22	22					22	22	22	22	22	22	22	22	22	22	22	22	22
CONDENSATE FROM COOLER, TEMPERATURE, °F	24	24	24	24	24	24	24					25	25	25	25	24	24	24	24	24	24	24	24	24
STEAM TO AIR EJECTOR, PRESSURE, #G	96	96	96	96	96	96	96					94	94	94	94	94	94	94	94	94	94	94	94	94
FEED TO AIR EJECTOR CONDENSER, TEMPERATURE °F	92	92	92	92	92	92	92					92	92	92	92	92	92	92	92	92	92	92	92	92
FEED TO SECOND 2D EFFECT VAP. FD. HEATER, TEMPERATURE °F																								
FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F																								
FEED TO 1ST EFFECT, TEMPERATURE, °F	136	136	136	136	136	136	136					136	136	136	136	136	136	136	136	136	136	136	136	136
BRINE PUMP DISCHARGE PRESSURE, #G	150	150	150	150	150	150	150					148	148	148	148	148	148	148	148	148	148	148	148	148
1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G	22	25	25	25	25	25	25					26	26	26	26	22	22	22	22	22	22	22	22	22
BRINE OVERBOARD DENSITY, 32NDS	35	35	35	40	40	40	40					30	30	30	30	45	45	45	45	45	45	45	45	45
AIR EJECTOR DRAINS, SALINITY—E.P.M.	1.5	1.5	1.5	1.5	1.5	1.5	1.5					1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1ST EFFECT DRAINS, SALINITY—E.P.M.	02	02	02	02	02	02	02					02	02	02	02	02	02	02	02	02	02	02	02	02
	0	0	0	0	0	0	0					0	0	0	0	0	0	0	0	0	0	0	0	0

SCALING RECORD				REMARKS			
		EFFECT					
	NO. 1	NO. 2	NO. 3				
HOURS BROUGHT FOWARD							
GALLONS BROUGHT FOWARD							
				SIGNED			
				SIGNED			
				SIGNED			

USNS GEN JOHN POPE (T-AP110)

LOW PRESSURE DISTILLING PLANT OPERATING RECORD

PLANT NO: 1DATE: 12-2-67*Set clocks ahead 20 min. 2300 - 0100 - 0500*

OUR ENDING	METER READING	SHIPS TANKS	FEED TANKS	0000-0400	1200-1600
0000	13989100			#1 EVAP DIST TO #3 STD	#1 EVAP DIST TO #3 PORT
0100	14002900	1000			
0200	14003900	1000		ADDED 8 OZ CHLORINE	
0300	14004400	500	400 MIN	PER 1000 GALS DIST	ADDED 8 OZ CHLORINE
0400	14005400	1000			PER 1000 GALS DIST
0500	14006400	1000			
0600	14007000	600	40 MIN		
0700	14008000	1000			
0800	14009000	1000			
0900	14009000	1000		#1 EVAP. DIST TO #3 STD	#1 EVAP. DIST. TO #3 P
1000	14009800	800		ADDED 8 OZ chlorine per 1000 gals dist.	ADDED 8 OZ chlorine per 1000 gals dist.
1100	13990800				
1200	13991000	900			
1300	13991000	1000			
1400	13992200	1100			
1500	13993300	1100			
1600	13994300	1000			
1700	13995400	1100			
1800	13996500	1100		#1 EVAP. DIST TO #3 PORT	#1 EVAP. DIST TO #3 PORT
1900	13997200	700			
2000	13998200	1000		ADDED 8 OZ chlorine per 1000 gals dist.	ADDED 8 OZ chlorine per 1000 gals dist.
2100	13999200	1000			
2200	14000200	1000			
2300	14000900	700	40 MIN		
2400	14001900	1000			

21,700

R. Shppard

R. Shppard

0800-1200

2000-2400

#1 EVAP. DIST TO #3 PORT

#1 EVAP. DIST TO #3 PORT

ADDED 8 OZ chlorine per 1000 gals dist.

ADDED 8 OZ chlorine per 1000 gals dist.

per 1000 gals dist.

per 1000 gals dist.

USNS GEN JOHN POPE (T-AP110)

LOW PRESSURE DISTILLING PLANT OPERATING RECORD

PLANT NO:

I

DATE: 12-2-67

HOURLY ENDING:	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
STEAM TO REG. VALVE, PRESSURE #G	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
STEAM FROM REG. VALVE, PRESSURE #G	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
STEAM TO 1ST EFFECT, TEMPERATURE, °F	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230
1ST EFFECT COIL DRAIN, TEMPERATURE, °F	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210
1ST EFFECT SHELL PRESSURE, "HG	14	14	14	14	14	14	14	14	14	14	14	13	13	14	14	14	14	14	14	14	14	14	14	14
2ND EFFECT SHELL PRESSURE, "HG	17	17	17	17	17	17	17	17	17	17	17	16	16	17	17	17	17	17	17	17	17	17	17	17
3RD EFFECT SHELL PRESSURE, "HG	24	24	24	24	24	24	24	24	24	24	24	23	23	24	24	24	24	24	24	24	24	24	24	24
CONDENSATE FROM COOLER, TEMPERATURE, °F	94	93	92	94	94	94	94	94	94	94	94	92	92	94	94	94	94	94	94	94	94	94	94	94
STEAM TO AIR EJECTOR, PRESSURE, #G	90	90	90	90	90	90	90	90	90	90	90	94	94	94	94	94	94	94	94	94	94	94	94	94
FEED TO AIR EJECTOR CONDENSER, TEMPERATURE °F																								
FEED TO SECOND 2D EFFECT VAP. FD. HEATER, TEMPERATURE °F																								
FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F																								
FEED TO 1ST EFFECT, TEMPERATURE, °F	160	160	160	160	160	160	160	160	160	160	160	158	158	156	156	158	158	158	158	158	158	158	158	158
BRINE PUMP DISCHARGE PRESSURE, #G	20	20	20	20	30	30	30	30	30	30	30	20	20	20	20	24	24	24	24	24	24	24	24	24
1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G	40	40	46	48	48	48	48	48	48	48	48	40	40	40	40	50	50	50	50	50	50	50	50	50
BRINE OVERBOARD DENSITY, 32NDS	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15
AIR EJECTOR DRAINS, SALINITY--E.P.M.																								
1ST EFFECT DRAINS, SALINITY--E.P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SCALING RECORD

	EFFECT		
	NO. 1	NO. 2	NO. 3
HOURS BROUGHT FOWARD			
GALLONS BROUGHT FOWARD			

REMARKS	
0000-0400	1200-1600
SIGNED	SIGNED
0400-0800	1600-2000
SIGNED	SIGNED
0800-1200	2000-2400

DATE: 12-2-67

OUR ENDING	METEER READING	SHIPS TANKS	FEED TANKS
			0000-0400 #2 EVAP DIST TO #1 STBD FEED
			1200-1600 #2 EVAP DIST TO #3 PORT ADDED 8oz CHLORINE PER 1000 GALS DIST
			MC Ray Hill
			0400-0800 #2 Evap. Dist. TO #1 SHD FEED
			1600-2000 #2 Evap. Dist. TO #1 SHD FEED
			R. Shipped
			0800-1200 #2 EVAP. Dist TO #1 STBD Feed E.A. MacAllister
			2000-2400 #2 EVAP. Dist TO #1 STBD Feed E.A. MacAllister

USNS GEN JOHN POPE (T-AP110)

LOW PRESSURE DISTILLING PLANT OPERATING RECORD

PLANT NO: 2

DATE: 12-2-67

Set clocks ahead 20 min at 2300-0400-0500

HOURLY ENDING:	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
STEAM TO REG. VALVE, PRESSURE #G	9	9	9	9	9	9	9	9	9	9	9	8	9	9	9	9	9	9	9	9	9	9	9	9
STEAM FROM REG. VALVE, PRESSURE #G	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3
STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	4	4	4	4	4	4	4	4	4
STEAM TO 1ST EFFECT, TEMPERATURE, °F	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230
1ST EFFECT COIL DRAIN, TEMPERATURE, °F	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210
1ST EFFECT SHELL PRESSURE, "HG	6	6	6	8"	8"	8"	8"	8"	8"	8"	8"	8"	8"	8"	8"	7"	7"	7"	7"	6	6	6	6	6
2ND EFFECT SHELL PRESSURE, "HG	22	22	22	22"	22"	22"	22"	22"	22"	22"	22"	22"	22"	22"	22"	22"	22"	22"	22"	22"	22"	22"	22"	22"
3RD EFFECT SHELL PRESSURE, "HG	25	25	25	23"	23"	23"	23"	23"	23"	23"	23"	23"	23"	23"	23"	23"	23"	23"	23"	23"	23"	23"	23"	23"
CONDENSATE FROM COOLER, TEMPERATURE, °F	95	95	95	96	96	96	96	95	95	95	95	92	91	92	92	96	96	96	96	95	95	95	95	95
STEAM TO AIR EJECTOR, PRESSURE, #G	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94
FEED TO AIR EJECTOR CONDENSER, TEMPERATURE °F																								
FEED TO SECOND 2D EFFECT VAP. FD. HEATER, TEMPERATURE °F																								
FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F	140	140	140	140	140	140	140	140	140	140	140	132	132	130	130	135	135	140	140	140	140	140	140	140
FEED TO 1ST EFFECT, TEMPERATURE, °F	158	158	158	158	158	158	158	158	158	158	158	144	144	144	144	156	156	158	158	158	158	158	158	158
BRINE PUMP DISCHARGE PRESSURE, #G	18	18	18	18	17	17	17	17	17	17	17	20	20	20	20	18	18	18	18	18	18	18	18	18
1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G	48	48	48	46	50	50	50	46	46	46	46	48	48	48	48	46	46	46	46	48	48	48	48	48
BRINE OVERBOARD DENSITY, 32NDS	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
AIR EJECTOR DRAINS, SALINITY--E.P.M.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
1ST EFFECT DRAINS, SALINITY--E.P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SCALING RECORD

	EFFECT		
	NO. 1	NO. 2	NO. 3
HOURS BROUGHT FORWARD			
GALLONS BROUGHT FORWARD			

REMARKS	
0000-0400	1200-1600
SIGNED	SIGNED
0400-0800	1600-2000
SIGNED	SIGNED
0800-1200	2000-2400

USNS GEN JOHN POPE (T-AP110)

LOW PRESSURE DISTILLING PLANT OPERATING RECORD

PLANT NO: 7

DATE: 12-1-67

HOURLY ENDING:	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
STEAM TO REG. VALVE, PRESSURE #G	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7
STEAM FROM REG. VALVE, PRESSURE #G	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
STEAM TO 1ST EFFECT, TEMPERATURE, °F	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230
1ST EFFECT COIL DRAIN, TEMPERATURE, °F	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210
1ST EFFECT SHELL PRESSURE, "HG	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
2ND EFFECT SHELL PRESSURE, "HG	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
3RD EFFECT SHELL PRESSURE, "HG	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
CONDENSATE FROM COOLER, TEMPERATURE, °F	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94
STEAM TO AIR EJECTOR, PRESSURE, #G	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
FEED TO AIR EJECTOR CONDENSER, TEMPERATURE °F																								
FEED TO SECOND 2D EFFECT VAP. FD. HEATER, TEMPERATURE °F																								
FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136
FEED TO 1ST EFFECT, TEMPERATURE, °F	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148
BRINE PUMP DISCHARGE PRESSURE, #G	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
BRINE OVERBOARD DENSITY, 32NDS	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
AIR EJECTOR DRAINS, SALINITY—E.P.M.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
1ST EFFECT DRAINS, SALINITY—E.P.M.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SCALING RECORD

	EFFECT		
	NO. 1	NO. 2	NO. 3
HOURS BROUGHT FORWARD			
GALLONS BROUGHT FORWARD			

REMARKS	
0000-0400	1200-1600
0400-0800	1600-2000
0800-1200	2000-2400

SIGNED

SIGNED

SIGNED

SIGNED

USNS GEN JOHN POPE (T-AP110)

LOW PRESSURE DISTILLING PLANT OPERATING RECORD

PLANT NO: 2 DATE: 12-1-6

[illegible]

USNS GEN JOHN POPE (T-AP110)

LOW PRESSURE DISTILLING PLANT OPERATING RECORD

PLANT NO: 7DATE: 2-1-67

HOURLY ENDING:	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
STEAM TO REG. VALVE, PRESSURE #G	9	9	9	8	8	8	8	8	8	8	8													9
STEAM FROM REG. VALVE, PRESSURE #G	4	4	4	4	4	4	4	4	4	4	4													4
STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G	3	3	3	3	3	3	3	3	3	3	3													3
STEAM TO 1ST EFFECT, TEMPERATURE, °F	230	230	230	230	230	230	230	230	230	230	230													230
1ST EFFECT COIL DRAIN, TEMPERATURE, °F	210	210	210	210	210	210	210	210	210	210	210													210
1ST EFFECT SHELL PRESSURE, "HG	14	14	14	14	14	14	14	14	14	14	14													14
2ND EFFECT SHELL PRESSURE, "HG	17	17	17	17	17	17	17	17	17	17	17													17
3RD EFFECT SHELL PRESSURE, "HG	23	23	23	23	23	23	23	23	23	23	23													23
CONDENSATE FROM COOLER, TEMPERATURE, °F	95	95	94	94	94	94	94	94	94	94	94													95
STEAM TO AIR EJECTOR, PRESSURE, #G	98	98	98	98	98	98	98	98	98	98	98													98
FEED TO AIR EJECTOR CONDENSER, TEMPERATURE °F																								
FEED TO SECOND 2D EFFECT VAP. FD. HEATER, TEMPERATURE °F																								
FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F																								
FEED TO 1ST EFFECT, TEMPERATURE, °F	156	156	156	156	156	156	156	156	156	156	156													156
BRINE PUMP DISCHARGE PRESSURE, #G	15	15	15	15	15	15	15	15	15	15	15													15
1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G	40	40	40	40	40	40	40	40	40	40	40													40
BRINE OVERBOARD DENSITY, 32NDS	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5													1.5
AIR EJECTOR DRAINS, SALINITY--E.P.M.																								
1ST EFFECT DRAINS, SALINITY--E.P.M.	0	0	0	0	0	0	0	0	0	0	0													0

SCALING RECORD

	EFFECT		
	NO. 1	NO. 2	NO. 3
HOURS BROUGHT FORWARD			
GALLONS BROUGHT FORWARD			

REMARKS	
0000-0400	1200-1600
0400-0800	1600-2000
0800-1200	2000-2400
SIGNED	SIGNED
SIGNED	SIGNED

USNS GEN JOHN POPE (T-AP110)

LOW PRESSURE DISTILLING PLANT OPERATING RECORD

PLANT NO: 7DATE: 12-1-67

OUR ENDING	METER READING	SHIPS TANKS	REED TANKS	0000-0400	1200-1600
0000	13978150	1100			
0100	13978100	1100		HI EVAP DIST TO #3 PORT	
0200	13979200	1100		ADDED 80Z CHLORINE	
0300	13980300	1100		PER 1000 GALS DIST	
0400	13981400	1100			
0500	13982500	1100			
0600	13983600	1100			
0700	13984700	1100		McRay Hill	
0800	13985900	1200			
0900	13986900	1000		0800-0800	1600-2000
1000	13988100	1200		#1 EVAP. DIST. TO #3P	
1100	13989200	1100		Added 80Z chlorine	
1200				per 1000 Gals Dist.	
1300					
1400					
1500					
1600					
1700					
1800					
1900					
2000					
2100					
2200					
2300	13975900			0800-1200	#1 EVAP DIST
2400	13977000	1100		to #3 Strd	Lit off #1 EVAP
		13,200		Added 80Z chlorine	@ #2 2230 Dist. to
				per 1000	#3 PORT
					B. A. Magellan