

APPENDIX L. MANUAL DATA SHEETS

TABLE: 0	LENGTH OF HOSE: 100'	NAME: P ROBERTS	DATE: 12/10/2003	LOCATION: WL CONTROL STAND				
NEW AWIF	PUMP #2	USCG TANK						
TIME	WL INLET	WL OUTLET	TIME	WL INLET	WL OUTLET	TIME	WL INLET	WL OUTLET
13:20			88					
13:20:50			90					
13:21:20			90					
13:21			90					
			92					
13:22 M			92					
13:22:20			92					
13:22:40			92					
			92					
13:23 M			92					
13:23:30			92					
			92					
13:24 M			92					
13:25			92					
			92					
13:26 M			92					
13:26:30			92					
			64					
13:27 M			62					
			62					
			64					
13:28 M			66					
			70					
13:29:03 M			72					
			82					
13:29:46 M			82					
			86					
13:30 M			86					
			86					
13:32			86					

TABLE: 0	LENGTH OF HOSE: 100'	NAME: CHRIS CASS	DATE:	12/10/2003	LOCATION:	HYD FLOW BACK UP (METER)		
NEW AWIF	PUMP #2	USCG TANK						
TIME	FLOW RATE	TIME	FLOW RATE	TIME	FLOW RATE			
		45						
		45						
13:30:39		45						
13:31:19		45						
13:31:59		45						
13:32		45						

TABLE: 0	LENGTH OF HOSE: 100'	NAME: MONTE WHITE	DATE:	12/10/2003	LOCATION:	WL CONTROL STAND
NEW AWIF	PUMP #2	USCG TANK				
TIME	WL INLET	OUTLET	TIME	WL INLET	WL OUTLET	
13:20		26.3				
13:20:38		27.7				
13:21:16		27				
13:21:54		27.4				
		26.8				
13:22:30 III		26.5				
13:22:58		21.9				
13:23:26		18.6				
		15				
13:23:54 III		12.9				
13:24:23		10.6				
		11.9				
13:24:51 III		12.1				
13:25:17		10.4				
13:25:43		6.8				
		5.8				
13:26:09 III		7.4				
13:26:40		27.5				
		23.8				
13:27:11 III		24.7				
13:27:47		23.2				
		15.5				
13:28:23 III		8.7				
		9.7				
13:29:03 III		8.1				
		5.7				
13:29:46 III		6				
		3.3				
13:30:39 III		2.6				
		2.5				
13:32		2.3				

TABLE: 0	LENGTH OF HOSE: 100'	NAME: P ROBERTS	DATE: 12/10/2003	LOCATION: WL CONTROL STAND				
NEW AWIF	PUMP #2	USCG TANK						
TIME	WL INLET	WL OUTLET	TIME	WL INLET	WL OUTLET	TIME	WL INLET	WL OUTLET
1:20			88					
1:20:30			90					
1:21			90					
1:21:30			90					
			92					
13:22 M			92					
13:22:20			92					
13:22:40			92					
			92					
13:23 M			92					
13:23:30			92					
			92					
13:24 M			92					
13:25			92					
			92					
13:26 M			92					
13:26:30			92					
			64					
13:27 M			62					
13:27:30			62					
			64					
13:28 M			66					
			70					
13:29:03 M			72					
			82					
13:29:46 M			82					
			86					
13:30 M			86					
			86					
13:32			86					

TABLE: 0	LENGTH OF HOSE: 100'	NAME: LT. BO STOCKLIN	DATE:	12/10/2003	LOCATION:	BULKOIL BACKUP WATER TANK		
NEW AWIF	PUMP #2	USCG TANK						
TIME	BULK OIL TEMP C	HOT WATER TANK	TEMPERED	WATER	COLD WATER	BACKUP	CCG TANK	
	USCG TANK L 11	H/H TEMP L 19	H/H TEMP	TANK L 20	TANK L 40	BULK TEMP L 41		
13:20	110.9	163.7		96.7	48.9		59.2	
13:23	112.7	163.2		96.7	48.9		59.2	
13:26	113.9	163.7		96.4	48.9		59.2	
13:29	103.3	164.6		96.4	49.2		59	
13:32	82	177.4		96.2	49		59	

TABLE: 0	LENGTH OF HOSE: 100'	NAME:	DATE:	12/10/2003	LOCATION:	BACK UP PUMP
NEW AWIF	PUMP #2	RON MACKAY			PRESSURE	GAUGE
TIME	PRESSURE	TIME	PRESSURE	TIME	PRESSURE	
		0				
		0				
0:40		0				
		0				
		0				
1:40		0				
		0				
		0				
2:30 M		0				
2:40		0				
		0				
3:20		0				
		0				
3:55 M		0				
4:00		0				
		0				
		0				
4:48 M		0				
5:00		0				
		0				
		0				
6:00		0				
6:06 M		0				
6:20		0				
		0				
7:00		0				
7:16 M		0				
7:20		0				
		0				
8:00		0				
8:20 M		0				
		0				
9:00 M		0				
9:20		0				
		0				
9:43 M		0				
10:00		0				
		0				
		0				
11:00		0				
		0				
11:46 STOP		0				

TABLE: 0	LENGTH OF HOSE: 100'	NAME: DC	DATE:	12/10/2003	LOCATION:	HYD OIL BACK UP @ HPU		
NEW AWIF	PUMP #2	USCG TANK						
TIME	SUPPLY PRESS	RETURN PRESS	FLOW RATE	TIME	SUPPLY PRESS	RETURN PRESS	FLOW RATE	
13:20	0	80	0					
13:21	3000	86	19					
13:22	3150	84	44					
13:22:30 M	3150	84	44					
13:23	3200	82	42					
13:24 M	3200	82	41					
13:25 M	3150	80	41					
13:26 M	3100	79	42					
13:27	3050	77	42					
13:27:30	3050	77	42					
13:28	2900	76	43					
13:29:30 M	2900	76	43					
13:29 M	2900	75	43					
13:30 M	2850	75	43					
13:31 M	2850	75	43					
13:32	0	65	0					
STOP RUN								

TABLE: 0	LENGTH OF HOSE: 100'	NAME: WAYNE PAULS	DATE: 12/10/2003	LOCATION:	PUMP OIL DISCHARGE TEMP		
NEW AWIF	PUMP #2						
TIME	PUMP OIL DISCHARGE	TIME	PUMP OIL DISCHARGE FROM	TIME	PUMP OIL DISCHARGE		
	FROM HAND HELD L 29		HAND HELD L 29		FROM H/H L 29		
1:21:15	FIRST OIL						
1:22	100						
1:23	105						
1:24	107						
1:25	108						
1:26	109.5						
1:27	110						
1:28	112						
1:29	107						
1:30	112						
1:31	114						
1:32	114						

TABLE: 0	LENGTH OF HOSE: 100'	NAME: JOHNSTON	DATE: 12/10/2003	LOCATION:	BAKER TANK TEMP					
NEW AWIF	PUMP #2									
TIME	BAKER TANK 1	BAKER TANK 2	BAKER TANK 3	BAKER TANK 4	BAKER TANK 5	BAKER TANK 6	BAKER TANK 7	BAKER TANK 9		
	L 32	L 33	L 34	L 35	L 36	L 37	L 38	L 39		
13:20	75	62	67	88	76	66	65	76		
13:25	74	62	66	75	75	65	78	78		
13:30	74	61	66	75	75	65	78	78		
13:35										

TABLE 0 OLD AWIF		LENTH OF HOSE 100		NAME: RON MACKAY		DATE: 2003/12/10	
LOCATION: BACK UP PUMP PRESSURE GAUGE				RUN #1			
TIME	PRESSURE	TIME	PRESSURE	TIME	PRESSURE		
11:34:20	0						
11:35:00	0						
	0						
	0						
	0						
1:57	0						
	0						
	0						
	0						
3:27	0						
3:40	0						
	0						
	0						
4:22	0						
	0						
	0						
	0						
5:40	0						
	0						
6:20	0						
11:43	STOP						

TABLE: 0	OLD AWIF	LENTH OF HOSE 100		NAME:	CHRIS CASS	DATE: 2003/12/10			
	LOCATION:	HYD FLOW BACK UP (METER)							
	TIME	FLOW RA	TIME	FLOW RAT	TIME	FLOW RATE			
	11:33:00	0							
	11:33:30	0							
	11:34:12	0:00:00							
		0							
		0							
	11:35:46	0							
	11:36:12	10							
		13							
		42							
		41							
		41							
	11:38:21	MARK 42							
		44							
		44							
		44							
	11:39:54	45							
		45							
		45							
	11:40:48	45							
		45							
		47							
		47							
		47							
	11:43:00	0							
	113300								

TABLE: 0		OLD AWIF		LENTH OF HOSE 100		NAME: DC		DATE: 12/10/2003	
LOCATION: I		HYD OIL BACK UP @ HPU				RUN #1			
TIME	SUPPLY PRESS	RETURN PRESS	FLOW RATE	TIME	SUPPLY PRESS	RETURN PRESS	FLOW RATE		
11:33	0	77	0						
11:34	0	77							
11:35	0	77	0						
11:36	2400	83	7						
11:37	3250	84	40						
11:38	3250	83	38						
11:38:21	MARK 3200	83	39						
11:39	3200	82	40						
11:40	MARK 3200	81	42						
11:41	MARK 3150	80	42						
11:42	3100	78	43						
11:42:50	STOP RUN								

TABLE: 0	OLD AWIF	LENGTH OF HOSE			NAME: JOHNSTON	DATE: 12/10/2003			
LOCATION:	BAKER TANK TEMP				RUN #1				
TIME	BAKER TANK 1 L 32	BAKER TANK 2 L 33	BAKER TANK 3 L 34	BAKER TANK 4 L 35	BAKER TANK 5 L 36	BAKER TANK 6 L 37	BAKER TANK 7 L 38	BAKER TANK 9 L 39	
11:33	78	63	68	80	84	68	77	80	
11:38	77	64	67	79	80	66	80	80	
11:43	76	62	66	78	79	66	79	79	
11:48									

TABLE: 0 OLD AWIF LENGTH OF HOSE: 100
LOCATION: PUMP OIL DISCHARGE TEMP 1 MINUTE INTERVALS

NAME: WAYNE PAUL DATE: 12/10/03
RUN #1

TIME	PUMP OIL DISCHARGED FROM HAND HELD	TIME	PUMP OIL DISCHARGED FROM HAND HELD
11:37:50	FIRST OIL 96°		
11:39:30	98°		
11:40:30	100		
11:41:30	101		
11:42:30	102		
11:43:30	100		
11:44	96		

TABLE: 0	OLD AWIF	LENGTH OF HOSE: 100	NAME: P ROBERTS	DATE: 12/10/03				
LOCATION:	WL CONTROL STAND			RUN #1				
TIME	WL INLET	WL OUTLET	TIME	WL INLET	WL OUTLET	TIME	WL INLET	WL OUTLET
11:32		72						
		70						
		70						
		76						
11:35		84						
M		84						
		84						
		86						
		86						
		88						
		88						
M 11:39		88						
11:39:20		88						
11:39:40		88						
		88						
M 11:40		88						
11:40:36		88						
11:41:12		88						
11:41:48		88						
11:42:24		70						
		66						
11:43		60						

TABLE: 0	OLD AWIF		LENGTH OF HOSE: 100	NAME:	LT BO STOCKTON	DATE: 12/10/03	
LOCATION:	BULKOIL BACKUP WATER TANK					RUN #1	
TIME	BULK OIL TEMP C	HOT WATER TANK	TEMPERED WATER HAND		COLD WATER	BACKUP	CCG OIL
	USCG TANK L 11	H/H TEMP L 19	HELD TEMP TANK L 20		TANK L 40	TANK BULK TEMP L 41	
11:34	101.2	178.5	94.7		47.3	59.2	
11:37	101.1	178	94.4		47.4	58.9	
11:40	103.1	177.3	94.3		47.6	58.9	
11:43	107.4	177	94.3		47	58.9	

TABLE 1	L/HOSE: 100'	NAME:	RON	DATE:	12/11/2003			
OLD AWIF	USCG TANK		MACKAY	LOC:	BACK UP	PUMP	PRESSURE	GAUGE
TIME	PRESSURE	TIME	PRESSURE	TIME	PRESSURE			
4:00	0	14:20	0					
	0	14:36 M	0					
	0	15:00	0					
5:00	0		0					
	0	15:31 M	0					
	0	15:40	0					
6:00	0	16:00	0					
	0	16:20 M	0					
	0	16:40	0					
7:00	0	17:00	0					
	0	17:30	10					
8:00	0							
	0							
	0							
9:00	0							
	0							
9:45 M	0							
10:00	0							
	0							
	0							
11:00	0							
11:14 M	0							
11:20	0							
	0							
12:00	0							
	0							
12:28 M	0							
12:40:00	0							
13:00	0							
	0							
13:40	0							
	0							

TABLE 1	L/HOSE: 100'	NAME:	P. ROBERTS	DATE:	LOC:	WL CONTROL STAND
OLD AWIF	USCG TANK	200K CST OIL		12/11/2003		
TIME	WL INLET	WL OUTLET	TIME	WL INLET	WL	OUTLET
13:41	70	68	13:54 M	172	98	
13:41:20	70	68		174	110	
13:41:59	70	68	13:55 M	180	170	
13:42:38	70	68	13:58	182	170	
13:43:27	70	68		170	130	
13:44:06	70	68	13:57 M	156	120	
13:44:45	70	68		140	108	
13:45:24	70	68	13:57:58 M	110	100	
13:46:03	70	68		108	90	
13:46:42	70	68	13:58:58 M	100	80	
13:47:21	70	68				
13:48:00	70	68				
13:48:39	86	120				
13:49:18	130	140				
13:49:57	148	152				
13:50:36	156	158				
13:51:15	160	162				
	160	168				
13:52 M	162	170				
13:52:30	168	170				
	170	130				
13:53 M	172	110				
	176	100				

TABLE 1	L/HOSE: 100'	NAME:	B. STOCKLIN	DATE: 12/11/2003		
OLD AWIF	USCG TANK	LOCATION:	BULKOIL BACKUP WATER TANK			
200K CST	OIL					
TIME	BULK OIL	TEMP C	HOT WATER TANK	TEMPERED WATER	COLD WATER	BACKUP CCG
	USCG	TANK L 11	H/H TEMP L 19	H/H TEMP TANK	TANK L 40	OIL TANK
			HI / MED / LOW	L 20		BULK TEMP L41
13:45		72	211 211 210	67.3	49.2	67.6
13:48		71.6	209 210 210	66.8	47.2	67.2
13:52		70.5	207 207 208	65	45.1	67
13:57		68.9	207 208 208	65.1	47	67

TABLE 1	L/HOSE:100'	NAME:	DATE:	LOCATION:	PUMP OIL
OLD AWIF	200K CST OIL	W. PAULS	12/11/2003	DISCHARGE TEMP	
TIME	PUMP OIL	DISCHARGE	TIME		
	FROM H/H	L 29			
1:50:30		FIRST OIL			
1:51		87			
1:52		94			
1:53		88			
1:54		87			
1:55		80			
1:56		83			
1:57		85			
1:58		88			
1:59		82			
2:00		73			
2:01					

TABLE 1	L/HOSE: 100'	NAME:	DATE:	LOCATION:	WL CONTROL STAND	
OLD AWIF	200K CST OIL	WHITE	12/11/2003			
TIME	WL INLET	WL OUTLET	TIME	WL INLET	WL OUTLET	
13:43	0	0	13:52 III	11.4	9.6	
13:43:32	0	0		11.2	3.7	
13:44:04	0	4.6		10.8	11	
13:44:36	0	0	13:53 III	11.3	9.4	
13:45:08	0	0.7		12.9	1.4	
13:45:40	0	0	13:54 III	15.1	0	
13:46:12	0	0		7.5	0	
13:46:44	0	20		0	15.8	
13:47:16	0	0	13:55 III	0	14.8	
13:47:48	0	0		0.7	12.6	
13:48:20	0	0		10.8	11	
13:48:52	0	11.4	13:57 III	10.2	10.4	
13:49:24	12.2	12.5		15.1	0.5	
13:49:56	10.2	10.6	13:57:58 III	14.6	0	
13:50:23	10.2	10.6		0	14.6	
13:50:55	10.1	10	13:58:58 III	0	14.3	
13:51:27	10.8	10.3		0	0	
13:51:59	18	9.7	14:00 III	0	0	

TABLE 1	L/HOSE: 100'	NAME:	DATE:	LOC:	HYD FLOW BACKUP
OLD AWIF	USCG TANK	CHRIS CASS	12/11/2003	(METER)	
200K CST	OIL				
TIME	FLOW RATE	TIME	FLOW RATE		
13:43	0	13:53	44		
13:43	0	13:53:30	44		
13:44:00	0		44		
13:44:30	0	13:54	44		
13:45:00	0	13:54:30	44		
13:45	0		42		
13:46:00	0	13:55	44		
13:46:30	0	13:55:40	44		
13:47:00	0	13:56:20	45		
13:47:30	0		44		
13:48:00	0	13:57	44		
13:48:30	0		44		
13:49:00	0	13:57:58	44		
13:49	0		44		
13:50:00	20		42		
13:50:30	30	13:58:58	45		
13:51:00	45		45		
13:51:30	44		46		
13:52:00	44	14:00	46		
13:52	44				
13:52:20	44				
13:52	44				
	44				

TABLE 1	L/ HOSE: 100'	NAME: DC	LOC:	HYD OIL	BACK UP		
OLD AWIF	USCG TANK	DATE: 12/11/03	@	HPU			
200 CST OIL							
TIME	SUPPLY PRESS	RETURN PRESS	FLOW RATE	TIME	SUPPLY PRESS	RETURN PRESS	FLOW RATE
13:43	0	88	0	13:56 M	2800	82	41
13:44	0	88	0	13:57 M	2350	81	41
13:45	0	88	0	13:58 M	2700	79	42
13:46	0	87	0	13:59 M	3100	78	41
13:47	0	86	0	14:00	1200	80	0
13:48	0	84	0				
13:49	0	86	0				
13:49:30	REMOTE STATION STARTS						
13:50	2200	90	20				
13:51	2600	87	43				
13:52 M	2500	85	42				
13:53	2500	84	43				
13:54 M	2400	83	43				
13:55 M	2400	82	43				

TABLE 1	L/HOSE: 100'	NAME: DC	DATE:	LOC:	HYD OIL BACK UP @ HPU		
OLD AWIF	USCG TANK	200K CST OIL	12/11/2003				
TIME	SUPPLY PRESS	RETURN PRESS	FLOW RATE	TIME	SUPPLY PRESS	RETURN PRESS	FLOW RATE
13:43	0	88	0	13:56 M	2800	82	41
13:44	0	88	0	13:57 M	2350	81	41
13:45	0	88	0	13:58 M	2700	79	42
13:46	0	87	0	13:59 M	3100	78	41
13:47	0	86	0	14:00	1200	80	0
13:48	0	84	0				
13:49	0	86	0				
13:49:30	REMOTE STATION STARTS						
13:50	2200	90	20				
13:51	2600	87	43				
13:52 M	2500	85	42				
13:53	2500	84	43				
13:54 M	2400	83	43				
13:55 M	2400	82	43				

TABLE: 1-2 USCG	LENGTH OF HOSE 100'	NAME	CHRIS CASS	DATE:	12/11/2003	LOCATION:	HYD FLOW	BACK UP (METER)
OLD AWIF	200K CST USCG TANK	TOP NO:	US FLOW METER	BOTTOM NO:	CANADIAN FLOW METER			
TIME	FLOW RATE	TIME	FLOW RATE					
14:25:43	0		43/41					
14:26:10	0		43					
14:26:37	15	14:36:24	43					
14:27:04	17/17		43					
14:27:31	14/15	14:37	0					
14:27:58	13/12							
14:28	13							
14:28:30	13/12							
14:29:00	24							
14:29:30	45/44							
14:30:00	44/42							
14:30:30	44							
	44/42							
14:31	44							
14:31:20	44							
14:31:40	45							
	43							
14:32	43/41							
14:32:30	44							
	46							
14:33	46							
	45/43							
	45							
14:34:54	45							
	45							
	43							
14:35	43							
	43							

TABLE: 1-2 USCG	LENGTH OF HOSE 100'	NAME	WAYNE PAULS	DATE:	12/11/2003
OLD AWIF	200K CST USCG TANK	LOC:	PUMP OIL	DISCHARGE TEMP	
TIME	PUMP OIL DISCHARGED	TIME	PUMP OIL DISCHARGED		
	FROM H/H L 29		FROM H/H L 29		
2:26:30	FIRST OIL	2:35:30	110		
2:27	70	2:36	104		
2:28	73	2:36:30	95		
2:29	79	2:37	104		
2:30	77	2:37:30	97		
2:31	76	2:38	98		
2:32	83	2:38:30	83		
2:33	90				
2:34	96				
2:34:30	105				
2:35	108				

TABLE: 1-2 USCG	L/HOSE: 100'	NAME:	DATE: 12/11/2003				
OLD AWIF	200K CST OIL	B. STOCKLIN					
LOCATION:	BULKOIL BACKUP	WATER TANK					
TIME	BULK OIL TEMP C	HOT WATER TANK	TEMPERED WATER	COLD WATER	BACKUP	CCG OIL	
	USCG TANK L 11	H/H TEMP L 19	H/H TEMP TANK	TANK L 40	TANK BULK TEMP		
		LOW/MED/HI	L20		L41		
14:26	70.7	207/ 207/ 207	64.5	45.3		67	
14:30	71.3	209/ 210/ 210	64.5	45.8		66.6	
14:33	71.9	211/ 210/ 210	65	46.7		67.1	
14:38	72.3	210/ 210/ 210	66	47.6		67.2	

TABLE: 1-2 USCG	L/HOSE: 100'	NAME:	DATE:	LOC:	WL CONTROL STAND		
OLD AWIF	200K CST OIL	WHITE	12/11/2003				
TIME	WL INLET	OUTLET	TIME	WL INLET	OUTLET		
14:25:43	0	0	14:34:54 M	5.2	0		
14:25:55	0	0	14:34:56	4.9	0		
14:26:07	0	0	14:34:58	10.1	0		
14:26:19	0	0		10.6	10.8		
14:26:31	0	0	14:35 M	10.3	10.7		
14:26:43	0	0	14:37	10.2	10.5		
14:26:55	0	0					
14:27:07	3.4	3.4					
14:27:19	3.2	3.7					
14:27:31	2.8	3.8					
14:27:43	4.2	12.7					
14:27:55	2.6	9					
14:28 M	10.5	9					
14:29:30	9.7	2.6					
14:30:30	10.2	11.1					
14:31 M	10.2	10.6					
	4.9	5.3					
14:32 M	5.2	8.1					
14:32:30	5.8	5.6					
	5.3	4.4					
14:33 M	5.1	4.8					
	5.1	4.7					
	4.9	0					

TABLE: 1-2 USCG	L/HOSE: 100'	NAME:	DATE:	LOC:	WL CONTROL STAND		
OLD AWIF	200K CST OIL	P. ROBERTS	12/11/2003				
TIME	WL INLET	OUTLET	TIME	WL INLET	OUTLET		
14:25	78	80	14:35:54 M	170	176		
14:25:16	74	80		170	174		
14:25:32	74	82		172	172		
14:25:48	76	84		176	140		
14:26:04	76	86	14:35 M	180	128		
14:26:20	76	86	14:37	180	108		
14:26:36	76	86					
14:26:52	84	122					
14:27:08	110	176					
14:27:24	120	180					
14:27:40	132	184					
14:27:56	140	186					
14:28 M	146	186					
14:29:30	146	186					
14:30:30	150	154					
14:31 M	156	120					
	160	150					
14:32 M	174	168					
14:32:30	166	178					
	168	176					
14:33 M	170	176					
	170	176					
	170	178					

TABLE: 1-2	L/HOSE: 100'	DATE:	12/11/2003				
OLD AWIF	NAME:	R. MACKAY	LOC:	BACK UP	PUMP	PRESSURE	GAUGE
TIME	PRESSURE	TIME	PRESSURE				
14:25:36	0	10:00	0				
	0		0				
	30		0				
14:26	124	11:00	0				
	156		0				
	154		0				
14:28	152	11:46 M	0				
	156	12:00	0				
2:30 M	152						
2:40	150						
3:00	160						
	210						
	150						
4:00	24						
	10						
	12						
5:00	10						
	2						
	0						
5:48 M	0						
6:00	0						
	0						
	0						
7:00	0						
	0						
	0						
8:00 M	0						
	0						
	0						
9:00	0						
9:14 M	0						
9:20	0						
	0						

TABLE: 1-2	L/HOSE: 100'	NAME: DC	LOCATION:	HYD OIL BACK UP @ HPU	
OLD AWIF	USCG 200K CST	DATE:	12/11/2003		
TIME	SUPPLY PRESS PSI	RETURN PRESS PSI	FLOW RATE GPM		
14:26	800	84	0		
14:27	3400	80	15		
14:28 MARK	3400	79	11		
14:29	3200	79	23		
14:30	2700	78	40		
14:31	2500	77	40		
14:31:30 MARK	2400	78	40		
14:32	2350	77	41		
MARK	2300	77	39		
14:33	2400	77	41		
14:33:30 MARK	2300	76	42		
14:34	2300	76	41		
14:35 MARK	2300	76	41		
14:36 MARK	2250	76	39		
14:37	2200	76	40		
MARK	2200	76	40		
14:38:38	STOP DATA				

TABLE: 1-2	L/HOSE: 100'	NAME:	DATE:	LOCATION:				
OLD AWIF	USCG 200K CST	G. STOCK	12/11/2003	BAKER TANK TEMP				
TIME	BAKER TANK 1	BAKER TANK 2	BAKER TANK 3	BAKER TANK 4	BAKER TANK 5	BAKER TANK 6	BAKER TANK 7	BAKER TANK 9
	L 32	L33	L 34	L 35	L 36	L 37	L 38	L 39
14:25	71.9	63	72.7	70.8	71.5	74.5	83.4	82.5
14:30	71.8	62.9	71.7	70.3	70.8	73.5	83.5	83.1
14:35	71.9	63.1	71.9	70.6	70.7	73.5	84.3	83.2
14:40	STOP							

TABLE: 2-3	L/HOSE: 300'/1500'	DATE:	LOCATION:	PUMP OIL
NAME:	WAYNE PAULS	12/12/2003	DISCHARGE TEMP	
TIME	PUMP OIL DISCHRGED	TIME	PUMP OIL DISCHARGED	
	FROM H/H L29		FROM H/H L29	
16:56	FIRST OIL	17:31	93	
15:56	75°	17:32	90	
15:57	77°	17:33	SHAS 1200	
15:58	96	17:40	FIRST OIL	
15:59	88	17:40	70°	
17:00	84	17:41	72	
17:01	68	17:42	72	
17:02	69	17:43	74	
17:03	69	17:44	75	
BREAK		17:45	76	
17:18:30	FIRST OIL	17:46	76	
17:19	65	17:47	74	
17:20	68	17:48	72	
17:21	69	17:49	72	
17:22	68	17:50	74	
17:23	67	17:51		
17:24	68			
17:25	67			
17:26	68			
17:27	70			
17:28	95			
17:29	97			
17:30	95			

TABLE: 2-3	L/HOSE: 300'/1500'	NAME: LIZ NEASE		
LOCATION:	BULK OIL BACKUP	DATE: 12/12/03		
WATER	TANK			
TIME	BULK OIL TEMP C	HOT WATER TANK	TEMPERED	COLD WATER
	USCG TANK L11	H/H TEMP L 19	WATER H/H	TANK L40
		LOW/ MED/ HI	TEMP TANK L20	
16:50	72	211/ 212/ 212		49.5 INVALID
16:55	71.8	212/ 212/207		50.3 INVALID
16:57	76.4	212/ 212/ 212		50.2 INVALID
16:59	72.4	212/ 212/ 206		51 INVALID
17:03	72.6	210/ 211/ 209		
17:18	72.9	209/ 203/ 168	63.5	
17:20	73.2	210/ 210/ 209	64.7	
17:24	72.8	210/ 210/ 208	64.1	
17:27	72.8	209/ 210/ 210	64.6	
17:30	72.9	210/ 200/ 204	64.2	
17:34	72.8	208/ 207/ 206	64.7	
17:39	73.7	207/ 206/ 206	64.3	
17:44	74.8	207/ 202/ 205	64.5	
17:48	74.4	207/ 207/ 205		

TABLE: 2-3	L/HOSE: 300'	NAME: G. STOCK	DATE: 12/12/03	LOCATION:	BAKER TANK TEMP			
TIME	BAKER TANK 1	BAKER TANK 2	BAKER TANK 3	BAKER TANK 4	BAKER TANK 5	BAKER TANK 6	BAKER TANK 7	BAKER TANK 9
	L32	L33	L34	L35	L36	L37	L38	L39
16:52	68	64	678	65	65	60	75	986?
15:57	68	63	67	65	65	60	78	?FLU
17:02	68	63	66	65	65	62	78	FLU
STOP								
17:18	67	62	59	64	66	58	74	
17:23	68	62	59	64	65	61	75	
17:28	67	62	57	63	64	59	76	
17:33	67	62	57	63	65	59	72	
17:38	67	61	56	64	65	58	70	
17:43	68	61	55	64	65	58	66	
17:48	68	61	55	64	66	58	65	

TABLE: 2-3	RUN #2	NAME:	DATE: 12/12/03	LOCATION:	HYD OIL	BACKUP	HPU	
L/HOSE: 300'	1500'	MEAGHAN HINES						
TIME	SUPPLY PRESS	RETURN PRESS	FLOW RATE	TIME	SUPPLY PRESS	RETURN PRESS	FLOW RATE	
5:18	600 PSI	80 PSI	5 GPM	5:38	2600	75 PSI	40	
5:19	800 PSI	80 PSI	5 GPM	5:39	2700	75	40	
5:20	2800 PSI	80 PSI	5 GPM	5:40 MARK	2700	75	40	
5:21	3000 PSI	80 PSI	5 GPM	5:41	2800	75	42	
5:22	3100 PSI	80 PSI	0-15 (JUMPING)	5:42	2700	75	42	
5:23	3100 PSI	80 PSI	0-15	5:43	2700	75	42	
5:24	3100 PSI	80 PSI	0-7	5:44	2800 PSI	75 PSI	40 GPM	
5:25	3100 PSI	78 PSI	0-15	5:45 MARK	2800 PSI	75 PSI	40 GPM	
5:26	3200 PSI	78 PSI	0-20	5:46	2900 PSI	75 PSI	40 GPM	
5:27	3000 PSI	78 PSI	20	5:47	2900 PSI	75 PSI	42 GPM	
5:28	2500 PSI	78 PSI	42	5:48	3000	75 PSI	42 GPM	
5:29 MARK	2200 PSI	80 PSI	40	5:49 MARK	3000	75	42	
5:30	2200	78 PSI	42					
5:31	2200	78 PSI	42					
5:30:30MARK	2200 PSI	78 PSI	40 GPM					
5:31	2200 PSI	78 PSI	42					
5:32	2200 PSI	78 PSI	42					
5:33	2200 PSI	75 PSI	40					
5:34	2200 PSI	75 PSI	40					
5:35	2500 PSI	75 PSI	40					
5:36	2400 PSI	75 PSI	40					
5:37	3000 PSI	75 PSI	42					

TABLE: 2-3	L/HOSE: 300'	1500'	DATE: 12/12/03	LOCATION:		
RUN #2	NAME:	M. HINES	LOCATION:	HYD OIL BACK	UP @ HPU	
TIME	SUPPLY	RETURN PRESS	FLOW RATE			
	PRESS					
4:50	700 PSI	90 PSI	0 GPM			
4:51	2100 PSI	90 PSI	20 GPM			
4:52	2600 PSI	85 PSI	40 GPM			
4:53	2500 PSI	85 PSI	42 GPM			
4:53:45 MARK	2500	85 PSI	42 GPM			
4:54 RUN #2	2400	80	42 GPM			
4:55 MARK	2400	80	42			
4:56 RUN #3	2400	80	42 GPM			
4:57	2600	80	42 GPM			
4:57:50 MARK	2600	80	42			
4:58	3100	80	38			
4:59	3200	80	28			
5:00	3300	80	10			
5:01	2900	80	10			
5:02	2800 PSI	80 PSI	10 GPM			

TABLE: 2-3		RUN #2	L/HOSE: 300'-1500'	LOCATION:				
DATE: 12/12/03		NAME:		HYD FLOW BACK UP				
		CHRIS CASS		(METER)				
TIME	FLOW RATE	TIME	FLOW RATE	TIME	FLOW RATE	TIME	FLOW RATE	
16:50	0	17:17:30	0	17:31:02	43	17:45	42	
16:50:25	0	17:18:00	0	17:31:33	43	17:45:38	42	
16:50:50	0	17:18:30	10	17:32:04	43	17:46:16	41	
16:51:15	0	17:19:00	5	17:32:35	43	17:46:54	40	
16:51:40	20	17:19:30	2	17:33:06	43	17:47:32	45	
16:52:05	43	17:20:00	4	17:33:37	43	17:48:10	45	
16:52:35	43	17:20:30	5	17:34:08	42	17:48:48	45	
	43	17:21:00	5	17:34:39	40	17:49	45	
16:53	43	17:21:30	0	17:35:10	42	17:49:24	45	
16:53:30	43	17:22:00	0	17:35:41	42	17:49:54	45	
16:54:00	44	17:22:30	0	17:36:12	42	STOP		
16:54:30	44	17:23:00	0	17:36:43	43			
	44	17:23:30	0	17:37:14	45			
16:55	44	17:24:00	5	17:37:45	43			
16:55:30	44	17:24:30	0	17:38:16	43			
16:56:00	44	17:25:00	0	17:38:47	43			
16:56:30	44	17:25:30	0	17:39:18	43			
	43	17:26:00	3	17:39:49	43			
16:57	43	17:26:30	15	17:40:20	43			
16:57:36	43	17:27:00	20		43			
16:58:22	40	17:27:30	45	17:40:51	43			
16:58:58	36		44	17:41:19	43			
16:59:34	30	17:28	43	17:41:47	43			
17:00:10	30	17:28:24	43	17:42:15	44			
17:00:46	10	17:28:48	43	17:42:43	43			
17:01:22	10	17:29:12	43	17:43:11	43			
17:01:58	10	17:29:36	43	17:43:39	43			
17:02:34	11	17:29	43	17:44:07	43			
	10	17:30	43	17:44:35	42			
17:03 STOP	0	17:30:31	43	17:45:03	42			

TABLE: 2-3	L/HOSE: 300'-1500'	NAME: P. ROBERTS	
LOCATION:	WL CONTROL TEMP	DATE: 12/12/03	
TIME	WL INLET	OUTLET	
16:50	76	80	
16:50:26	86	110	
16:50:52	110	164	
16:51:18	140	164	
16:51:44	146	170	
16:52:10	158	174	
16:52:36	160	174	
16:53:12	160	174	
16:53 M	160	174	
16:53:30	170	174	
16:54:00	170	148	
16:54:30	174	120	
	174	108	
16:55 M	176	170	
16:55:30	176	100	
16:56:00	176	90	
16:56:30	140	84	
16:57:00	130	80	
16:57 M	124	78	
16:57:36	120	76	
16:58:12	110	76	
16:58:48	108	76	
16:59:24	76	102	
17:00	100	76	
17:00:36	100	74	
17:01:12	96	74	
17:01:48	92	74	
17:02:24	90	74	
17:03:00	90	74	
17:03 STOP	90	74	

TABLE: 2-3 L/HOSE: 300'/1500'		NAME: ROBERTS		DATE:	
LOCATION:	WL CONTROL STA	ND TEMP	12/12/2003		
TIME	WL INLET	OUTLET	TIME	WL INLET	OUTLET
17:17:30	64	62	17:33:40	180	68
17:18:02	64	62	17:34:13	178	64
17:18:34	60	62	17:34:46	178	64
17:19:06	62	62	17:35:19	178	62
17:19:38	64	62	17:35:22	178	62
17:20:10	64	62	17:35:55	174	62
17:20:42	64	62	17:36:28	172	62
17:21:14	64	62	17:37:01	176	62
17:21:46	64	64	17:37:34	178	62
17:22:18	62	60	17:38:07	178	60
17:22:50	64	60	17:38:40	178	60
17:23:22	60	60	17:39:13	180	60
17:23:54	60	160	17:39:46	180	60
17:24:26	60	198	17:40:19	180	60
17:24:58	60	200	17:40:51 M	180	60
17:25:30	60	204	17:41:22	180	60
17:26:02	60	204	17:41:33	182	60
17:26:34	80	204	17:42:04	140	60
17:27:06	126	204	17:42:35	118	84
17:27:38	140	204	17:43:06	102	100
17:28:10	144	204	17:43:37	94	110
17:28 M	144	202	17:44:08	88	118
17:28:30	150	200	17:44:39	80	122
17:29:00	154	130	17:45 M	78	130
17:29:30	178	110	17:45:29	78	130
	160	98	17:45:58	76	136
17:30 M	162	90	17:46:27	72	140
17:30:33	164	90	17:46:56	70	142
17:31:06	164	80	17:47:25	70	146
17:31:39	170	76	17:47:54	68	148
17:32:02	170	74	17:48:23	68	150
17:32:35	174	70	17:48:52	66	150
17:33:07	174	70	17:49:21	66	150
			17:49:24 M	64	152
			17:49:54	64	152

TABLE: 2-3	L/HOSE: 300'/1500'	LOCATION:	WL CONTROL					
DATE:12/12/03	NAME: DECKER	STAND TEMP						
TIME	WL INLET	OUTLET	TIME	WL	OUTLET	TIME	WL	OUTLET
				INLET			INLET	
			START					
16:50	9.8	20.4	17:17	0	0	17:33:30	9.4	10.3
16:50:26	14.3	20.4	17:17:33	0	0	17:34:00	9.4	9.3
16:50:52	0.5	0	17:18:06	0	0	17:34:30	10.6	9.5
16:51:18	0	0	17:18:39	0	0	17:35:00	9.6	9.7
16:51:44	9.9	9.7	17:19:12	0	0	17:35:30	11.6	10.4
16:52:10	9.6	10	17:19:45	0	0	17:36:00	11	12.1
16:52:36	10.1	11.1	17:20:18	0	0	17:36:30	11	11.1
16:53:12	9.8	11.8	17:20:51	0	0	17:37:00	10.7	8.6
16:53 M	9.6	8.3	17:21:24	9.1	5	17:37:30	10.5	9.9
16:53:30	10.8	12.2	17:21:57	9.4	5.4	17:38:00	11.2	12.1
16:54:00	10.3	8.1	17:22:30	9.1	6.4	17:38:30	10.1	11
16:54:30	11.1	8.5	17:23:03	10	4.9	17:39:00	9.9	10.7
16:55:00	9.4	9.3	17:23:36	0	12.6	17:39:30	11	9.9
16:55 M	9.6	9.9	17:24:09	0	11.3	17:40:00	10.4	9.3
16:56	16.1	9.8	17:24:42	0	9.9	17:40 M	9.3	9.3
16:56:30	9.5	10.1	17:25:15	0	10.1	17:40:38	9.2	9.6
16:57:00	9.8	9.7	17:25:48	0	11.6	17:41:16	8.4	1.5
	10.4	9.2	17:26:21	11.4	8.6	17:41:54	16	0
16:57 M	9.6	10.1	17:26:54	10.9	11.5	17:42:32	15.7	0
16:57:36	9.2	10.7	17:27:27	10.3	11.5	17:43:10	14.6	0
16:58:12	0	0	17:28:00	11.1	12.1	17:43:48	16.1	0
16:58:48	0	0	17:28 M	10.4	11	17:44:16	15.4	0
16:59:24	0	0	17:28:30	10.3	10.1	17:44:54	15	0
17:00	0	0	17:29:00	10	9.8	17:45 M	16.3	0
17:00:36	0	0	17:29:30	10.3	7.7	17:45:29	16.6	0
17:01:12	0	0	17:30:00	9.3	10.3	17:45:58	15.7	0
17:01:48	0	0	17:30 M	10.4	8.6	17:46:27	17	0
17:02:24	0	0	17:30:30	9.3	9.3	17:45:56	16.4	0
17:03:00	0	0	17:31:00	9.9	9.7	17:46:25	17.6	0
17:03 STOP	0	0	17:31:30	10.1	9.3	17:46:54	15.4	0
			17:32:00	9.5	10.7	17:47:23	13.8	0
			17:32:30	9.1	9.6	17:47:52	14.9	0
			17:33:00	10.8	9.7	17:48:21	13.6	0
						17:49:24	15.5	0
						17:49:54	14.6	0

TABLE: 2-3	L/HOSE: 300'/1500'	DATE:	LOCATION:	BACK UP	PUMP		
USCG TANK	NAME: RON MACKAY	12/12/2003	PRESSURE	GAUGE			
TIME	PRESSURE	TIME	PRESSURE	TIME	PRESSURE	TIME	PRESSURE
17:17	0	17:26	182	17:35	30	17:44:00	36
	0		120		24	M	36
	240		60		22		36
17:18	120	17:27	20	17:36	30	17:45:00	36
	170		12		70		36
	160		10		90		34
17:19	170	17:28	8	17:37	100		34
	180		8		52		34
	170		8		52		34
17:20	150	17:29	10	17:38	46	17:46:00	38
	180		10		50		40
	180		12		54		40
17:21	150	17:30	12	17:39	60	17:48:00	40
	150		14		60		40
	170		14		60		40
17:22	150	17:31	14	17:40	60	31:49 M	40
	140		14		54	32:00:00	40
	160		14		50		
17:23	150	17:32	20	17:41	48		
	170		16		40		
	150		16		40		
17:24	150	17:33	20	17:42:00	40		
	140		16		40		
	140		20		40		
17:25	130	17:34	16	17:43:00	40		
	120		58		38		
	190		34		40		

TABLE: 2-3	L/HOSE: 300'/1500'	NAME:	LOCATION:	BACK UP
USCG TANK	DATE: 12/12/03	R. MACKAY	PUMP PRESSURE GAUGE	
TIME	PRESSURE	TIME	PRESSURE	
16:50	0	16:58	0	
	0		2	
	0		14	
16:51	0	16:59	70	
	0		100	
	10		110	
16:52	4	17:00	130	
	0		58	
	0		62	
16:53	0	17:01	100	
	0		110	
	0		120	
16:54	0	17:02	120	
	0		102	
	0		110	
16:55	0			
	0			
	0			
16:56	0			
	0			
	0			
16:57	0			
	0			
	0			

TABLE: 4/3A		L/HOSE: 300'		NAME: MEAGHAN		LOCATION: HYD OIL BACK UP @ HPU	
LAMOR GTA-50		DATE: 12/14/03					
TIME	SUPPLY PRESS	RETURN PRESS	FLOW RATE				
11:56	900 PSI	100 PSI	0 GPM				
11:57	900 PSI	95 PSI	0 GPM				
11:58	900 PSI	95 PSI	0 GPM				
11:59	2000 PSI	90 PSI	20 GPM				
12:00	2600 PSI	85 PSI	42 GPM				
12:01	STOP DATA DUE TO LEAK						
12:12	900 PSI	90 PSI	20 GPM				
12:13	2800	85	20 GPM				
12:14	2700	85	42				
12:15	MARK 2300	80	42				
12:16	2300	80	42				
12:17	2300	80	42				
12:18	MARK 2300	80	42				
12:19	2300	80	42				
12:20	2700 PSI	80 PSI	42 GPM MARK				
12:21	2700	80	20				
12:22	2900	80	20				
12:23	3000	80	15				
12:24	2800	80	10				
12:25	3000	75	8				
12:26	2800	75	7				
12:27	2800	75	6				
12:28	2800	75	6				
12:29	2800	75	6				
12:30	2800	75	6				
12:31	2800	75	6				
12:32	STOP DATA						

TABLE: 4/3A		L/HOSE:300'		NAME:	DATE:	LOCATION: HYD OIL BACK UP @ HPU			
LAMOR GTA		5C PUMP		ROBERTS	12/14/2003				
TIME	WL INLET	OUTLET	TIME	WL INLET	OUTLET	TIME	WL INLET	OUTLET	
11:56:35	112	58	11:58 START	58	60	12:18:36	178	70	
11:56:39	110	58	11:58:33	58	70	12:19:00	178	68	
11:56:43	108	54	11:59:06	58	138	12:19 M	178	62	
11:56:47	102	54	11:59:39	58	156		180	60	
11:56:51	100	54	12:00:12	58	156		160	60	
11:56:55	98	54	12:00:45	80	158		150	60	
11:56:59	94	54	12:01:18	118	160		140	60	
11:57:03	92	54	12:01:51	134	164	M	134	56	
11:57:07	90	54	12:02:24	144	168		130	54	
11:57:11	90	54	12:02:57	148	170		124	54	
11:57:15	90	54	12:03 STOP	150	170		120	54	
11:57:19	86	54	12:14 START	150	80				
11:57:23	84	54	12:14:30	150	160				
11:57:27	84	54	12:15:00	164	190				
11:57:31	82	54	12:15:30	170	198				
11:57:35	80	54	12:16:00	172	200				
11:57:39	80	54	12:16:30	176	200				
11:57:43	80	54		176	200				
11:57:47	80	54	12:17 M	176	200				
11:57:51	78	54	12:17:24	178	200				
11:57:55	78	54	12:17:48	178	108				
			12:18:12	178	80				

TABLE: 4/3A		L/HOSE: 300'		NAME: DECKER		DATE: 12/14/03					
LAMOR GTA		5C PUMP		LOCATION: HYD OIL BACK UP @ HPU							
TIME	WL INLET	OUTLET	TIME	WL INLET	OUTLET	TIME	WL INLET	OUTLET			
11:58 START	0	0	12:19 M	7.6	7	12:30:30	0	0			
11:58:33	0	19.4	12:20	8.6	7.8	12:31:00	0	0			
11:59:06	0	1.9	12:20:40	8.5	8.7	12:31:30	0	0			
11:59:39	0	0	12:21:20	8.5	8.7	12:32:00	0	0			
12:00:12	0	0	12:22:00	8.2	8.7	12:32:30	0	0			
12:00:45	9.3	9.9	12:22 M	8.4	9.1	12:33:00	0	0			
12:01:18	9.4	10	12:22:30	8.5	1.6	12:33	0	0			
12:01:51	5.3	4.2	12:23:00	0	0	STOP					
12:02:24	8.9	7.3	12:23:30	0	0						
12:02:57	8.9	7.5	12:24:00	0	0						
12:03 STOP	8.1	8.5	12:24	0	0						
12:14 START	0	0	12:24:30	0	0						
12:14:36	8.3	7.1	12:25:00	0	0						
12:15:12	4.7	4.5	12:25:30	0	0						
12:15:48	8	8.1	12:26:00	0	0						
12:16:24	8.4	7.8	12:26:30	0	0						
12:17:00	8.2	8.2	12:27:00	0	0						
12:17 M	7.6	8	12:27:30	0	0						
12:17:32	7.6	1.9	12:28:00	0	0						
12:18:04	8.1	7.9	12:28:30	0	0						
12:18:36	8.5	7.9	12:29:00	0	0						
12:19:08	8.4	8.5	12:29:30	0	0						
12:19:44	9.2	7.7	12:30:00	0	0						

TABLE: 4/3A	L/HOSE:300'	NAME:	DATE:	LOCATION: HYD OIL BACK	
LAMOR GTA	5C PUMP	CHRIS CASS	12/14/2003		UP @ HPU
TIME	FLOW RATE	TIME	FLOW RATE	TIME	FLOW RATE
11:46:43	0	12:16:42	44	12:26:02	8
11:48:13	0	12:17:09	44	12:26:31	8
11:49:43	0	12:17:36	44	12:27:00	7
11:51:13	0	12:18:03	44	12:27:29	6
11:52:43	0	12:18:05	44	12:27:58	6
11:54:13	0	12:18:37	44	12:28:27	5
11:55:43	0	12:19:09	44	12:28:56	6
11:57:13	44	12:19:41	43	12:29:25	6
11:58:43	43	12:20:13	43	12:29:54	5
12:00:13	43		43	12:30:23	5
12:01 STOP	43	12:20:43	43	12:30:52	5
12:12	0	12:21:12	42	12:31:21	5
12:12:30	0	12:21:41	22	12:31:50	5
12:13:00	22	12:22:10	21	12:32	0
12:13:30	44	12:22:39	21	STOP	
12:14:00	44	12:23:08	16		
12:14:30	44	12:23:37	15		
12:15:00	45	12:24:06	11		
12:15:21	43	12:24:35	10		
12:15:48	43	12:25:04	11		
12:16:15	44	12:25:33	9		

TABLE: 4/3A	L/HOSE: 300'	NAME:	LOCATION:	PUMP OIL DISCHARGE TEMP	
LAMOR GTA	DATE: 12/14/03	WAYNE PAULS			
5C PUMP					
TIME	PUMP OIL DISCHARGE				
	FROM H/H L 29				
12:13:30	FIRST OIL				
12:14	75°				
12:15	85°				
12:16	78°				
12:17	90°				
12:18	82°				
12:19	82°				
12:20	76°				
12:21	78°				
12:22	74°				
12:23	70°				
12:24	68°				
12:25	67°				
12:26	66°				
12:27	66°				
12:28	67°				
12:29	68°				
12:30	68°				
12:31	68°				
12:32	70°				
12:33	BREAK				
12:51	66°				
12:52	67°				
12:53	68°				
12:54	67°				

TABLE: 4/3A		L/HOSE: 300'		NAME: R. MACKAY		LOCATION:		BACK UP	
LAMOR GTA		5C PUMP		DATE: 12/14/03		PUMP		PRESSURE GAUGE	
TIME	PRESSURE	TIME	PRESSURE	TIME	PRESSURE	TIME	PRESSURE	TIME	PRESSURE
11:56	0	12:12	0	12:19	10	12:26	162		
	0		0		10		168		
	0		70		16		170		
11:57	0	12:13	14	12:20	30	12:27	170		
	0		12		34		168		
	0		10		20		170		
11:58	0	12:14	10	12:21	30	12:28	172		
	0		8		70		164		
	0		8		82				
11:59	0	12:15	4	12:22	100				
	0		2		120				
	0		0		130				
12:00	0	12:16	2	12:23	144				
	0		0		154				
	0		0		160				
12:01	0	12:17	0	12:24	142				
			0		152				
			6		160				
		12:18	4	12:25	172				
			10		168				
			10		158				

TABLE: 4/3A	LENGTH OF HOSE: 300 FT		NAME: LANCE	DATE: 12/14/03	LOCATION:	BAKER TANK	TEMP
LAMOR GTA	50 PUMP						
TIME	BAKER TANK 1	BAKER TANK 2	BAKER TANK 3	BAKER TANK 4	BAKER TANK 5	BAKER TANK 6	BAKER TANK 7
	L 32	L33	L34	L35	L36	L37	L38
11:57	67.4	59.5	58	64.1	63.7	58.1	66.6
	STOPPED	DUE TO	LEAK				
12:15	66.5	59.3	57.8	63.5	63.5	58.6	66.1
12:27	66.6	60	58.4	63.5	63.5	59.1	66.3
	STOP DATA						
12:52	66.2	60.2	59.3	63	63.1	60	66.2

TABLE: 4/3A	LENGTH OF HOSE: 300 FT		NAME: LANCE
LAMOR GTA	50 PUMP	RUN #1	DATE: 12/14/03
LOCATION:	BULK OIL BACKUP WATER TANKS		
TIME	BULK OIL TEMP	HOT WATER TANK	TEMPERED WATER
	USCG TANK L11	H/H TEMP L 19	H/H TEMP TANK L20
		LOW/MED/ HI	
11:55	67.3	212/ 212/ 213	54
12:02	67.3	211/ 212/ 213	54
STOP DATA	DUE TO LEAK		
12:12	68.3	211/ 211/ 212	55
12:21	66.2	210/ 212/ 212	55
12:31	66.6	212/ 212/ 212	55
12:33	STOP DATA		
12:47 START	69.3	170/ 170/ 200	55

TABLE: 4/3B	L/HOSE: 300'	NAME: RON MACKAY	
200K OIL	LAMOR GTA-50	DATE:	12/13/2003
LOCATION:	BACK UP PUMP	PRESSURE GAUGE	
TIME	PRESSURE		
12:47:42	150		
	182		
	174		
:49 M	170		
12:48	170		
	176		
	176		
12:50	168		
	174		
	176		

TABLE: 4/3B	L/HOSE: 300'	NAME: DECKER
200K OIL	LAMOR GTA-50	DATE: 12/13/2003
LOCATION:	BACK UP	PUMP PRESSURE GAUGE
TIME	WL INLET	OUTLET
12:49 M	0	0
12:49:36	0	0
12:50:12	0	0
12:50:48	0	0
12:51:24	0	0
12:52:00	0	0
12:52 M	0	0
12:52:30	0	0
12:53:00	0	0
12:53:30	0	0
12:54:00	0	0
12:54	STOP	

TABLE: 4/3B	L/HOSE: 300'	NAME: ROBERTS	
200K OIL	LAMOR GTA-50	DATE: 12/14/03	
LOCATION:	WL CONTROL STAND TEMP		
TIME	WL INLET	OUTLET	
12:49	70	60	
12:49:36	70	60	
12:50:12	70	60	
12:50:48	70	60	
12:51:24	70	60	
12:52:00	70	60	
12:52 M	70	60	
	70	60	
	70	60	
	70	60	
	70	60	
	70	60	
STOP	70	60	

TABLE: 4/3B	L/HOSE: 300'	NAME: CHRIS CASS	
200K OIL	LAMOR GTA-50	DATE: 12/14/03	
LOCATION:	HYD FLOW BACK UP (METER)		
TIME	FLOW RATE		
12:47:48	0		
12:48:20	0		
12:48:52	0		
12:49:24	0		
12:49:56	4		
12:50:28	7		
12:50:30	4		
12:51:00	5		
12:51:30	5		
12:52:00	5		
12:52	0		

TABLE: 4/3B	L/HOSE: 300'	NAME: MEAGHAN	
200K OIL	LAMOR GTA-50	DATE: 12/14/03	
LOCATION:	HYD FLOW BACK UP (METER)		
TIME	SUPPLY	RETURN	FLOW RATE
	PRESS	PRESS	
12:47	900 PSI	80 PSI	0 GPM
12:48	900	80	0
12:49	2200	80	8
12:50	2800	80	5
12:51	2800	80	4
12:52	800	80	0
STOP DATA			

TABLE: 4/4	L/HOSE: 300'	NAME: MACKAY							
FRAMO TK-12S	DATE: 12/14/03	LOCATION:	BACK UP PUMP PRESSURE GAUGE						
TIME	PRESSURE	TIME	PRESSURE	TIME	PRESSURE	TIME	PRESSURE	TIME	PRESSURE
15:55	0	16:04	2	16:13	2	16:23:00	1	16:32:00	0
	0		4		2		1	36:14 M	0
	0		4		2		1	16:33:00	0
15:56	0	16:05	4	16:14	2	16:24:00	1		0
	0		4		2		1	16:34:00	0
	0		4		2		1		0
15:57	0	16:06	4	16:15	2	16:25:00	0	16:35:00	0
	0		4		2		0		0
	0		4		2		0		0
15:58	0	16:07	4	16:16	2	16:26:00	0	16:36:00	0
	0		6		2		0		0
	0		6		2		0		0
15:59	0	16:08	6	16:17	2	16:27:00	0	16:37:00	4
	0		6		2		0		4
	0		4		4		0		4
16:00	0	16:09	4	16:18	4	16:28:00	0	16:38:00	6
	0		4		4		0		8
	0		4		4		0		8
16:01	0	16:10	4	16:19:00	4	16:29:00	0	16:39:00	10
	0		4		4		0		12
	0		4		2		0		12
16:02	4	16:11	4	16:20:00	2	16:30:00	0	16:40:00	14
	2		4		2		0		18
	2	16:40	2		2		0		18
16:03	2	16:12	2	16:21:00	2	16:31:00	0	16:41:00	20
	2		2	26:12 M	2		0		22
	2		2	16:22:00	2		0	16:42:00	6
									6

TABLE: 4/4	L/HOSE: 300'	NAME: DECKER	LOCATION:						
FRAMO TK-125	PUMP	DATE: 12/14/2003	WL CONTROL STAND FLOW						
TIME	WL INLET	OUTLET	TIME	WL INLET	OUTLET	TIME	WL INLET	OUTLET	
15:57 START	0	11.4	16:13:32	4.7	5	16:30:36	3.7	4.8	
15:57:31	5.7	9.6	16:14:04	4.1	2.6	16:31:08	4.6	5	
15:58:02	4.8	7.3	16:14:36	4.4	4.4	16:31:40	4.3	4.8	
15:58:33	5.4	6	16:15:08	4.6	3.5	16:32:12	4.1	4.8	
15:59:04	5	8.2	16:15:40	4.8	3.6	16:32:44	3.8	4.7	
15:59:35	6.3	5.1	16:16:12	4.3	4.2	16:33:16	3.9	4.4	
16:00:06	5.7	9	16:16:44	4.4	4.1	16:33 M	3.9	4.7	
16:00:37	5.8	9.2	16:17:16	4.4	4.1	16:33:48	4	4.5	
16:01:08	6.1	8.9	16:17:48	4.6	4.4	16:34:20	0	3.6	
16:01:39	5.7	8.9	16:18:20	4.6	4.3	16:34:52	0	1.6	
16:02:10	6.8	8.4	16:18:52	3.7	4.1	16:35:24	0	0	
16:02:41	6.3	8.1	16:19:24	4.3	4	16:35:56	0	3.8	
16:03:12	8	8.6	16:19:56	4.2	4.3	16:36:28	9.9	3.4	
16:04:43	0	8.2	16:20:28	4.3	5.3	16:37:00	4.3	3.7	
16:05:14	0	3.4	16:21:00	4.6	4.8	16:37:32	5.8	3.5	
16:05:45	5.7	4.8	16:21:32	5	4.8	16:38:04	5	4.5	
16:06:16	5.8	4.4	16:22:04	4.3	4.7	16:38:36	4.9	4.8	
16:06:47	5.2	4.1	16:22:36	4.6	4.1	16:39:08	0	4.5	
16:07:18	4.6	7.8	16:23:08	4.4	3.6	16:39:40	5.3	4.2	
16:07:49	4.5	8.1	16:23 M	4	3.6	16:40:12	5.3	5.2	
16:08:20	6	8.3	16:23:40	4	3	16:40:44	4.9	5.2	
16:08:51	6.6	8.7	16:24:12	3	4	16:41:16	4.6	5.3	
16:09:22	5.3	8	16:24:44	4.3	3.6	16:41:48	4.9	4.9	
16:09:53	6.4	8.2	16:25:16	4.2	4.3	16:42:20	7.1	4.6	
16:10:24	5.6	7.7	16:25:48	4.2	4.2	16:42 STOP	6.2	4.9	
16:10:55	5.7	7.7	16:26:20	4.6	5.1				
16:11:26	6.2	8.6	16:26:52	4.7	4.7				
16:11:57	6.1	8.1	16:27:24	4.3	4.4				
16:12:28	4.3	4.6	16:27:56	4.9	4.6				
16:12:59	4.6	3.9	16:28:28	3.8	4.8				
16:13:30	4.6	3.5	16:29:00	4.2	4.1				
	4.7	4.5	16:29:32	3.7	4.7				
16:13 M	5.8	3.6	16:30:04	4.2	4.6				

TABLE: 4/4		L/HOSE: 300'		NAME: C. CASS		LOCATION:		HYD FLOW	
FRAMO TK-125		PUMP		DATE: 12/14/03		BACK UP (METER)			
TIME	FLOW RATE	TIME	FLOW RATE	TIME	FLOW RATE	TIME	FLOW RATE		
15:55:22	0	16:09:50	32	16:23:06	33	16:34:40	30		
15:55:53	0	16:10:21	32	16:23:32	33	16:35:06	6		
15:56	22	16:10:52	32	16:23:58	33	16:35:32	5		
15:56:55	28	16:11:23	32	16:24:24	33	16:35:58	5		
15:57:26	33		32	16:24:50	33	16:36:24	5		
15:57:57	34	16:11:41	32	16:25:16	33	16:36:50	5		
15:58:28	33	16:12:13	32	16:25:42	33	16:37:16	4		
15:58:59	33	16:12:45	32	16:26:08	33	16:37:42	3		
15:59:30	33	16:13:17	32	16:26:34	33	16:38:08	3		
16:00:01	33	16:13:49	32	16:27:00	33	16:38:34	3		
16:00:32	35	16:14:21	32	16:27:26	33	16:39:00	3		
16:01:03	42	16:14:53	32	16:27:52	33	16:39:26	0		
16:01:34	28	16:15:25	32	16:28:18	33		0		
16:02:05	15	16:15:57	32	16:28:44	33	16:40 STOP	0		
16:02:36	11	16:16:29	32	16:29:10	33				
16:03:07	50	16:17:01	32	16:29:36	33				
16:03:38	33	16:17:33	32	16:30:02	33				
16:04:09	33	16:18:05	33	16:30:28	33				
16:04:40	32	16:18:37	33	16:30:54	33				
16:05:11	32	16:19:09	33	16:31:20	33				
16:05:42	32	16:19:41	33		33				
16:06:13	32	16:20:13	33	16:31:38	33				
16:06:44	32	16:20:45	33	16:32:04	33				
16:07:15	32	16:21:17	33	16:32:30	33				
16:07:46	32	16:21:22	33	16:32:56	25				
16:08:17	32	16:21:48	33	16:33:22	32				
16:08:48	32	16:22:14	33	16:33:48	32				
16:09:19	32	16:22:40	33	16:34:14	30				

TABLE: 4/4		L/HOSE: 300'		NAME: ROBERTS		LOCATION:				
FRAMO TK-125		PUMP		DATE: 12/14/2003		WL CONTROL STAND TEMP				
TIME	WL INLET	OUTLET	TIME	WL INLET	OUTLET	TIME	WL INLET	OUTLET		
15:57	156	140	16:13:57	206	194	16:31:14	202	180		
15:57:31	170	168	16:14:28	206	134	16:31:46	202	180		
15:58:02	174	170	16:14:59	206	112	16:32:18	202	180		
15:58:33	176	170	16:15:30	206	100	16:32:50	202	180		
15:59:04	176	170	16:16:01	206	96	16:33:22	200	180		
15:59:35	184	176	16:16:32	206	90	16:33:54	200	180		
16:00:06	188	180	16:17:03	206	84	16:33 M	200	180		
16:00:37	190	180	16:17:34	206	80	16:34:26	200	180		
16:01:08	190	180	16:18:05	206	74	16:34:52	160	180		
16:01:39	192	180	16:18:36	206	74	16:35:18	100	150		
16:02:10	192	180	16:19:07	206	72	16:35:44	80	150		
16:02:41	194	180	16:19:38	206	70	16:36:10	70	120		
16:03:12	194	180	16:20:09	206	70	16:36:36	64	108		
16:03:43	194	184	16:20:40	206	68	16:37:02	64	100		
16:04:14	194	186	16:21:11	206	68	16:37:28	64	98		
16:04:45	200	188	16:21:42	206	66	16:37:54	60	90		
16:05:16	204	186	16:22:13	206	66	16:38:20	60	86		
16:05:47	208	186	16:22:44	206	66	16:38:46	60	84		
16:06:12	206	190	16:23:15	206	66	16:39:12	60	80		
16:06:43	206	196	16:23 M	206	66	16:39:38	60	80		
16:07:14	206	198	16:24:18	206	66	16:40:04	60	80		
16:07:45	208	198	16:24:50	206	100	16:40:30	60	76		
16:08:16	208	198	16:25:22	206	146	16:40:56	60	76		
16:08:47	208	200	16:25:54	206	168		120	70		
16:09:18	210	200	16:26:26	206	174		176	70		
16:09:49	210	200	16:26:58	206	172	16:40:55	STOP			
16:10:20	210	202	16:27:30	206	174					
16:10:51	210	200	16:28:02	206	174					
16:11:22	210	200	16:28:34	206	174					
16:11:53	210	200	16:29:06	206	180					
16:12:24	208	200	16:29:38	206	180					
16:12:55	208	198	16:30:10	204	180					
16:13:26	208	198	16:30:42	204	180					

TABLE: 4/4	L/HOSE: 300'	DATE: 12/14/2003	LOCATION:		
FRAME PUMP	NAME: LANCE		BULKOIL BACKUP WATER TANKS		
TIME	BULK OIL TEMP ©	HOT WATER TANK	COLD WATER H/H		
	USCG TANK L 11	H/H TEMP L 19	TEMP TANK L 20		
	67.5	208	58		
STOP					
15:55	68.4	212	60		
16:05	69.1	210	60		
16:15	69.4	210	60		
16:25	69.8	211	60		
16:35	70.5	199.1	60		
16:45	71	194.3	60		
	71.3				
STOP					

TABLE: 4/4	L/HOSE: 300'	DATE: 12/14/03	LOCATION:				
FRAME PUMP	NAME: LANCE		BAKER TANK TEMP				
TIME	BAKER TANK 1	BAKER TANK 2	BAKER TANK 3	BAKER TANK 4	BAKER TANK 5	BAKER TANK 6	BAKER TANK 7
	L32	L33	L34	L35	L36	L37	L38
15:55	65.7	60	61.7	62.2	62.8	62.5	62.4
16:05	66.5	60.3	62.4	62.9	63.4	63.2	63.3
16:15	66.7	60.6	62.5	63.3	63.1	63.4	63.5
16:25	66.9	60.7	62.7	63.2	63.4	63.4	63
16:35	66.1	59.8	61.9	62.7	62.7	62.7	62.5
16:45	66.8	60.5	62.5	63.2	63.5	63.3	63.1
	66.7	60.5	62.4	63.1	63.4	63	63.1
STOP							3

TABLE: 4/4	L/HOSE: 300'	NAME: MEAGHAN	LOCATION:
FRAMO TK 125	PUMP	DATE: 12/14/2003	HYD OIL BACK UP @ HPU
TIME	SUPPLY PRESS	RETURN PRESS	FLOW RATE
3:55	500 PSI	90 PSI	0 GPM
3:56	1800	90	20
3:57	2000	90	32
3:58	1900	85	30
3:59	1900	85	30
4:00	1900	82	40
4:01	3100	80	15
4:02	3200	78	32
4:03	1800	78	30
4:04	1900	78	30
4:05	1900	78	30
4:06	1900	78	30
4:07	1800	78	30
4:08	1800	78	30
4:09	1800 PSI	78 PSI	30 GPM
4:10	1800	78	30
4:11	1800	78	30 MARK (invalid)
4:12	1800	78	30
4:13	1800	78	30
4:14	1800	78	30
4:15	1800	78	30
4:16	1800	78	30
4:17	1800	78	30
4:18	1800	78	30
4:19	1800	78	30
4:20	1800	78	30
4:21	1800	78	30 MARK
4:22	1600	78	30
4:23	1700 PSI	78 PSI	30 GPM
4:24	1600	78	30
4:25	1600	78	30
4:26	1700	78	30
4:27	1700	78	30
4:28	1700	78	30
4:29	1700	78	30
4:30	1700	78	30
4:31	1700	78	30
4:32	2500	75	23
4:33	3000	70	28
4:34	3000	70	5
4:35	3300	70	5
4:36	3200	70	5
4:37	3200 PSI	70 PSI	3 GPM
4:38	3100	70	3
4:39	3100	65	30
4:40	STOP DATA		

TABLE: 4/4		L/HOSE: 300'		NAME: W. PAULS		LOCATION:	
FRAMO TK 12		PUMP		DATE: 12/14/2003		PUMP OIL DISCHARGE TEMP	
TIME	PUMP OIL DISCHARGE FROM H/H L 29	TIME	PUMP OIL DISCHARGE FROM H/H L 29	TIME	PUMP OIL DISCHARGE FROM H/H L29	TIME	PUMP OIL DISCHARGE FROM H/H L29
16:06	FIRST OIL	16:29	83	16:52	72		
16:07	124	16:30	85	16:53	70		
16:08	104	16:31	86	16:54	70		
16:09	95	16:32	86	16:55	72		
16:10	98	16:33	95				
16:11	110	16:34	87				
16:12	120	16:35	84				
16:13	110	16:36	85				
16:14	108	16:37	93				
16:15	115	16:38	102				
16:16	112	16:39	110				
16:17	107	16:40	110				
16:18	97	16:41	115				
16:19	91	16:42	108				
16:20	95	16:43	103				
16:21	92	16:44	92				
16:22	93	16:45	95				
16:23	90	16:46	86				
16:24	87	16:47	84				
16:25	86	16:48	75 ALL WATER				
16:26	90	16:49	WATER 75°				
16:27	83	16:50	WATER 75°				
16:28	86	16:51	WATER 75°				

TABLE: 5	L/HOSE: 50'	NAME: C. CASS	LOCATION:		
CCG TANK	500K CST	DATE: 12/10/03	HYD FLOW BACK UP (METER)		
TIME	FLOWRATE				
18:07	0				
18:07:34	0				
18:08:08	0				
18:08:42	28				
18:09:16	25				
18:09:50	22				
18:10:24	21				
18:10:58	21				
18:11	21				
18:12:00	21				
18:12:30	21				
18:13	21				
18:13:20	21				
18:13:40	21				
	22				
18:14	23				
18:14:30	23				
18:15	24				
18:15:30	24				
18:16	24				
18:16:30	23				
18:17:00	24				
18:17:30	25				
18:18:00	25				
18:18:30	25				
18:19:00	25				
18:19:30	25				
18:20:00	25				
18:20:30	27				
18:21:00	22				
18:21	22				
18:22	22				

TABLE: 5	L/HOSE: 50'	NAME: DC	LOCATION:	
CCG TANK	500K CST	DATE: 12/10/03	HYD OIL BACK UP @ HPU	
TIME	SUPPLY PRESS	RETURN PRESS	FLOW RATE	
18:05	1700	0	0	
18:06	1700	0	0	
18:07	1700	0	0	
18:08	1700	0	0	
18:09	1800	0	2	
18:10	1700	1200	8	
18:11	1700	1200	6	
18:12	1700	1200	6	
18:13 MARK	1800	1300	6	
18:14	1900	1300	6	
MARK	1900	1250	6	
18:15	1900	1200	6	
18:16	1900	1250	6	
18:17	1900	1200	6	
18:18	1900	1250	7	
18:19	1900	1200	7	
18:20	1900	1200	7	
18:21	2250	1700	5	
18:22	2300	1800	5	
18:23	2000	0	0	

TABLE: 5	L/HOSE: 50'	NAME: MACKAY	LOCATION:	
CCG TANK	DATE: 12/10/03		BACK UP PUMP PRESSURE GAUGE	
TIME	PRESSURE	TIME	PRESSURE	
18:05	0	18:13	0	
	0		0	
	0		0	
	0	18:14	0	
	0		0	
18:07	0		0	
	0	18:15	0	
	0		0	
18:08	0		0	
	0	18:16	0	
	0		0	
18:09	0		0	
	0	18:17	0	
	0		0	
18:10	0		0	
	0	18:18	0	
5:32 M	0		0	
5:40	0		0	
18:11	0	18:19	0	
	0			
	0			
18:12	0			
	0			
	0			

TABLE: 5	L/HOSE: 50'	NAME: STOCKLIN	LOCATION:		
CCG TANK	500K CST	DATE: 12/10/03	BULKOIL BACKUP WATER TANK		
TIME	BULK OIL TEMP ©	HOT WATER TANK	TEMPERED WATER	COLD WATER	BACKUP CCG OIL TANK
	USCG TANK L11	H/H TEMP L19	H/H TEMP TANK L20	TANK L40	BULK TEMP L41
18:05	57.2	178.7	83.9	45.5	59.1
18:08	57.6	180.1	83.9	45.6	59.1
18:11	57.6	183.5	83.8	45.6	59.3
18:14	57.5	182.7	83.7	45.6	59.2
18:17	57.3	184.5	83.8	45.6	59.2
18:20	57.2	186.1	83.6	45.6	59.4
18:23	57	182.7	83.7	45.7	59.4

TABLE: 5		L/HOSE: 50'		NAME: M. WHITE		LOCATION:	
CCG TANK		500K CST		DATE: 12/10/03		WL CONTROL STAND FLOW	
TIME	WL INLET	OUTLET	TIME	WL INLET	OUTLET		
18:07	0	2.8	18:21:24	3	5.3		
18:08:12	8	9.2	18:21:32	4.4	4.6		
18:09:24	8.6	8.1	18:21:40	2.2	1.9		
18:10:36	8.5	9.1	18:21:48	2.3	1.9		
18:11:48	8.6	10.7	18:21:56	0	0		
	9.1	7.5	18:22:04	0	0		
18:13 III	8	7.2	18:22 III	0	0		
18:13:09	7.7	6.6					
18:13:18	6.9	6.9					
18:13:27	5.6	6.2					
III 18:13:36	6.4	6.3					
18:13:45	2.8	8.2					
18:13:54	3.7	7.4					
18:14:03	3.6	7.4					
18:14 III	3.6	8.2					
18:15	7.1	6.8					
	6.3	5.4					
18:16 III	6.5	5.2					
	5.2	4.8					
18:21 III	5	5					
18:21:08	4.7	5.2					
18:21:16	3.5	5.2					

TABLE: 5		L/HOSE: 50'	NAME:	DATE: 12/10/03		
CCG TANK		500K CST	ROBERTS	LOCATION: WL CONTROL STAND FLOW		
TIME	WL INLET	OUTLET	TIME	WL INLET	OUTLET	
18:07	48	160	18:18:20	168	174	
18:08:12	120	172	18:18:45	168	170	
18:09:24	136	172	18:19:10	166	170	
18:10:36	144	172	18:19:35	164	168	
18:11:48	150	174	18:20:00	162	166	
18:13:00	154	174	18:21 M	162	166	
18:13 M	156	174	18:22	160	164	
18:13:20	156	174				
18:13:40	156	174				
18:14:00	156	174				
18:14 M	156	174				
18:14:40	156	174				
18:15:20	160	176				
18:15:40	158	176				
18:16 M	156	176				
18:16:25	156	176				
18:16:50	164	174				
M 18:17:15	166	174				
18:17:40	166	174				
18:18:05	166	174				
18:18:30	168	174				
18:18:55	168	174				

TABLE: 5	L/HOSE: 50'	NAME: WAYNE PAULS
CCG TANK	500K CST	DATE: 12/10/03
LOCATION:	PUMP OIL DISCHARGE TEMP	
TIME	PUMP OIL DISCHARGED	
	FROM H/H L 29	
6:09	100°	
6:10	66°	
6:11	70°	
6:12	68°	
6:13		66
6:14		67
6:15		73
6:16		77
6:17		70
6:18		75
6:18		76
6:19		76
6:20		79
6:21		86
6:22		90

TABLE: 5	L/HOSE: 50'	DATE: 12/10/03						
CCG TANK	500K CST	LOCATION:	PUMP OIL DISCHARGE TEMP					
NAME:	JOHNSTON							
TIME	BAKER TANK 1	BAKER TANK 2	BAKER TANK 3	BAKER TANK 4	BAKER TANK 5	BAKER TANK 6	BAKER TANK 7	BAKER TANK 9
	L32	L33	L34	L35	L36	L37	L38	L39
5:56	74	57	67	72	72	62	76	75

TABLE 6/7	L/HOSE: 100'-500'	DATE: 12/12/03					
CCG TANK	NAME: MACKAY	LOCATION:	BACK UP PUMP				
PRESSURE GAUGE							
TIME	PRESSURE	TIME	PRESSURE	TIME	PRESSURE	TIME	PRESSURE
12:49	8		12		12	14:19	10
	8		12	14:11	10		10
	8	14:03	12		10		10
12:50	8		8		10	14:20	10
	8		8	14:12	10		10
	8	14:04	8		10		10
12:51	4		10		10	14:21	10
	6		10	14:13	10		10
	6	14:05	8		10		10
12:52	6		8		10	14:22:00	10
	6		8	14:14	10		10
	6	14:06	8		10		
12:53	6		8		10		
	4		8	14:15	10		
13:59	6	14:07	8		10		
	6		16		10		
	6		10	14:16	10		
14:00	8	14:08	8		10		
	10		8		10		
	16		14	14:17	10		
14:01	16	14:09	10		10		
	16		8		10		
2:28 M	18		20	14:18	10		
2:40	16	14:10	10		10		
14:02	12		10		10		

TABLE 6/7		L/HOSE: 100'-500'		DATE: 12/12/03	
CCG TANK	NAME:	ROBERTS	LOCATION:	WL CONTROL STAND	
TIME	WL INLET	OUTLET	TIME	WL INLET	OUTLET
13:15	70	150	14:16:13	170	64
13:15:34	98	196	14:16:36	170	64
13:16:08	1.08	220	14:16:59	170	64
13:16:42	118	220	14:17:22	170	64
13:17:16	148	210	14:17:45	170	64
13:17:50	152	200	14:18:08	170	64
13:18:24	152	200	14:18 M	172	64
13:18:58	158	210	14:18:13	172	64
13:19 STOP	164	210	14:18:26	172	64
13:59	90	100	14:18:39	172	64
13:59:36	96	190	14:18:52	178	60
14:00:12	100	210	14:19:05	178	64
14:00:48	130	210	14:19:18	180	64
14:01:24	148	200	14:19:31	180	64
14:02:00	158	200	14:19:44	180	64
14:02:44 M	160	200	14:19:57	178	64
14:04:00	162	180	14:20 M	182	64
14:06:00	162	120	14:20:12	188	64
14:08:00	164	88	14:20:24	190	64
14:10:00	164	74	14:20:36	192	64
	160	70	14:20:48	194	64
14:12 M	164	70	14:21:00	194	64
14:12:23	168	68	14:21:12	196	64
14:12:46	170	64	14:21:24	196	64
14:13:09	170	66	14:21:36	196	64
14:13:32	170	66	14:21:48	196	64
14:13:55	170	66	14:22:00	196	64
14:14:18	170	66	14:22 M	196	64
14:14:41	170	66	14:23:54	196	64
14:15:04	170	66			
14:15:27	170	66			
14:15:50	168	66			

TABLE 6/7	L/HOSE:100'-500'		DATE: 12/12/03			
CCG TANK	NAME: DECKER		LOCATION:	WL CONTROL STAND		
TIME	WL INLET	OUTLET	TIME	WL INLET	OUTLET	
13:15 START	0	7.9	14:16:24	4.4	4.4	
13:15:26	0	9.1	14:16:48	4.7	4.7	
13:15:52	0	9.2	14:17:12	4.6	4.5	
13:16:18	0	9	14:17:36	4.4	4.8	
13:16:44	2.4	0	14:18:00	4.3	4.7	
13:17:10	3.7	0	14:18 M	4.3	5.1	
13:17:36	3.7	8.5	14:18:13	4.6	4.7	
13:18:12	4.8	9.6	14:18:26	2.5	2.9	
13:19 STOP	4.4	10.5	14:18:39	0	2.7	
13:59 START	0	9.3	14:18:52	2.2	2.6	
13:59:36	0	10.9	14:19:05	2.3	2.8	
14:00:12	0	10.4	14:19:18	2.2	2.6	
14:00:48	2.9	4.4	14:19:31	2.1	2.7	
14:01:24	4.5	7.4	14:19:44	1.9	2.7	
14:02:00	4.6	4.6	14:19:57	0	2.7	
14:02 M	5.6	4	14:20 M	2.6	2.5	
14:04:00	5.4	1.2	14:20:20	4.7	0	
14:06:00	5.8	4.9	14:20:40	4.3	0	
14:08:00	5.4	4.7	14:21:00	4.5	0	
14:10:00	5.2	4.9	14:21:20	4.4	0	
	5.2	5.4	14:21:40	4.5	0	
14:12 M	4.9	4.6	14:22:00	4.3	0	
14:12:24	4.9	5	14:22:20	4.2	0	
14:12:48	4.3	5.1	14:22:40	4.5	0	
14:13:12	4.3	5.1	14:23:00	3.8	0	
14:13:36	4.4	5.2	14:23 M	4.3	0	
14:14:00	4.5	4.2	14:23 STOP	0.5	0	
14:14:24	4.2	5.3				
14:14:48	5.2	5.4				
14:15:12	4.5	5.5				
14:15:36	4.1	5.1				
14:16:00	3.8	5.2				

TABLE 6/7	L/HOSE: 100'-500'	DATE: 12/12/03			
CCG TANK	NAME: C. CASS	LOCATION:	HYD FLOW BACK UP (METER)		
TIME	FLOW RATE	TIME	FLOW RATE	TIME	FLOW RATE
13:15	0	14:06:48	27	14:20:07	26
13:15:34	0	14:07:16	24	14:20:38	26
13:16:08	0	14:07:44	24	14:21:09	26
13:16:42	0	14:08:12	24	14:21:40	26
13:17:16	0	14:08:40	24	14:22:11	26
13:17:50	0	14:09	25	14:22	25
13:18:24	0	14:09:36	24	14:23:13	25
13:18:58	0	14:10:04	25	14:23:12	25
13:19	STOP DATA	14:10:32	25		25
13:59START	0	14:11:00	26	14:23:54	25
13:59:24	0	14:11:28	26		
13:59:48	5	14:11:56	25		
14:00:12	21	14:12	25		
14:00:36	23	14:12:33	25		
14:01:00	24	14:13:06	25		
14:01:44	24	14:13:39	24		
14:02:00	25	14:14:12	25		
14:02	25	14:14:45	25		
14:02:30	25	14:15:18	25		
14:03:00	25	14:15:51	25		
14:03:30	25	14:16:24	25		
14:04:00	25	14:16:57	25		
14:04	25	14:17:30	25		
14:04:28	25	14:18:03	25		
14:04:56	25	14:18:03	25		
14:05:24	25	14:18:34	25		
14:05:52	25	14:19:05	25		
14:06:20	26	14:19:36	25		

TABLE 6/7	L/HOSE: 100'-500'	DATE: 12/12/2003	
CCG TANK	NAME: WAYNE PAULS	LOCATION:	
		HYD FLOW BACK UP METER	
TIME	PUMP OIL DISCHARGE		
	FROM H/H L 29		
14:01:35	FIRST OIL		
14:02	65°		
14:03	63		
14:04	70		
14:05	72		
14:06			
14:11	65		
14:12	70		
14:13	68		
14:14	70		
14:15	70		
14:16	68		
14:17	71		
14:18	73		
14:19	73		
14:20	73		
14:21	69		
14:22	72		
14:23	74		
14:24	75		
14:25	25		

TABLE 6/7	L/HOSE: 100'-500'	NAME: MEAGHAN HINES	
CCG TANK	DATE: 12/12/03	LOCATION:	HYD OIL BACK UP @ HPU
TIME	SUPPLY PRESS	RETURN PRESS	FLOW RATE
1:15	1980 PSI	0 PSI	
1:16	1980 PSI	0 PSI	
1:17	1980 PSI	0 PSI	
1:18	3100 PSI	0 PSI	
1:19	3100	0	
STOP DATA			
1:59	1900 PSI	0 GPM	0
2:00	2200 PSI	20 GPM	4 GPM
2:01	1900 PSI	24 GPM	5 GPM
2:02 MARK	1900 PSI	26 GPM	6 GPM
2:03	1900 PSI	26 GPM	6 GPM
2:04	1900 PSI	26 GPM	6 GPM
2:05	1900 PSI	26 GPM	6 GPM
2:06	1900 PSI	26 GPM	6 GPM
2:07	1900 PSI	24 GPM	6 GPM
2:08	1900 PSI	24 GPM	6 GPM
2:09	1890 PSI	25 GPM	5 GPM
2:10	1890 PSI	25 GPM	6 GPM
2:11	1890 PSI	26 GPM	6 GPM
2:12	1880 PSI	25	5 GPM
2:12:40 MARK	1880	25	6 GPM
2:13	1890	25	6
2:14	1890	25	5 GPM
2:15	1890	25	6
2:16	1890	25	6
2:17	1890	25	6
2:17:50 MARK	1890	25	6
2:18	1890	26	6
2:19	1890	26	6
2:20	1890 PSI	27 GPM	6 GPM
2:21	1870 PSI	27 GPM	6 GPM
2:22	1890 PSI	25 GPM	6 GPM
2:23 MARK	1890 PSI	25 GPM	6 GPM

TABLE 6/7	L/HOSE: 100'-500'	NAME: LIZ NEUSE	
CCG TANK	DATE: 12/12/03	LOCATION:	BULKOIL BACKUP
		WATER TANK	
TIME	BULK OIL TEMP ©	HOT WATER TANK	BACKUP CCG OIL
	USCG TANK L11	H/H TEMP L 19	TANK BULK TEMP L41
		LOW/MED/ HI	
13:59	66.9	210/ 211/ 169	65
14:03	67.5	211/ 211/ 210	65.2
14:08	68.1	209/ 209/ 209	65.7
14:13	68.4	209/ 211/ 184	66.5
14:16	68.4	209/ 211/ 205	66.2
14:20	67.4	209/ 210/ 189	66.1

TABLE 10	LENGTH OF HOSE: 500'	NAME: W. PAULS	
GT-185	CCG W/STEAM COIL		
DATE: 12/15/03	LOCATION: PUMP OIL	DISCHARGE TEMP	
TIME	PUMP OIL DISCHARGE	TIME	PUMP OIL DISCHARGE
	FROM H/H L 29		FROM H/H L 29
13:40	FIRST OIL	14:11	90
13:41	79	14:12	86
13:42	80	14:13	87
13:43	78	14:14	84
13:44	78	14:15	80
13:45	77	14:16	80
13:46	76	14:17	80
13:47	77	14:18	80
13:48	78	14:19	79
13:49	76	14:20	80
13:50	77	14:21	
13:51	79		
13:52	80		
13:53	79		
13:54	79		
13:55	80		
13:56	77		
13:57	79		
13:58	79		
13:59	78		
14:00	80		
14:01	82		
14:02	86		
14:03	86		
14:04	90		
14:05	96		
14:06	88		
14:07	94		
14:08	95		
14:09	91		
14:10	88		

TABLE 10										
L. OF HOSE: 500'		NAME: RBTS								
GT-185	DATE: 12/15/03	LOCATION:		PUMP OIL						
CCG W/	STEAM COIL	DISCHARGE		TEMP						
TIME	WL INLET	OUTLET	TIME	WL	OUTLET	TIME	WL	OUTLET		
				INLET			INLET			
13:35:45	70	60	13:52:13	66	58	14:07:10	154	60		
13:36:15	70	60	13:52:46	66	58	14:07:30	154	60		
13:36:45	70	60	13:53:19	66	58	14:07:38 M	154	60		
13:37:15	70	60	13:53:52	64	60	14:08:19	154	60		
13:37:45	120	60	13:54:25	62	60	14:09:00	154	60		
13:38:15	140	60	13:54:58	60	60	14:09:41	154	60		
13:38:45	150	60	13:55 M	60	60	14:10:22	154	60		
13:39:15	154	60	13:55:36	60	60	14:10:23 M	154	60		
13:39:45	160	60	13:56:12	60	60	14:11:00	154	60		
13:40:15	160	60	13:56:48	60	60	14:11:37	156	60		
13:40:45	160	60	13:57:24	60	60	14:12:14	112	60		
13:41:15	160	60	13:58:00	60	60	14:12:51	96	60		
13:41:45	150	60	13:58 M	60	60	14:13:28	88	60		
13:42:15	150	60	13:58:24	60	60	14:14:05	80	60		
13:42:45	148	60	13:58:48	64	60	14:14:04 M	80	60		
13:43:15	146	60	13:59:12	96	60	14:14:23	76	60		
13:43	140	60	13:59:36	108	60	14:14:42	74	60		
13:44:15	140	60	14:00:00	118	60	14:15:01	74	60		
13:44:45	138	60	14:00 M	118	60	14:15:20	76	60		
13:45:15	138	60	14:00:33	120	60	14:15:39	76	60		
13:45:45	90	60	14:01:06	128	60	14:15:40 M	76	60		
13:46:15	80	60	14:01:39	130	60	14:16:18	76	60		
13:46:45	72	58	14:02:12	136	60	14:16:56	76	60		
13:47:15	70	58	14:02:45	140	60	14:17:34	114	60		
13:47:45	70	58	14:02:43 M	140	60	14:18:12	130	60		
13:47:15	70	58	14:03:12	144	60	14:18:50	140	60		
13:47:45	68	58	14:03:41	148	60	14:18 M	142	60		
13:48:15	66	58	14:04:10	156	60	14:18:50				
13:48:45	66	58	14:04:39	156	60					
13:49:15	66	58	14:05:08	158	60					
13:49:45	66	58	14:05:10 M	158	60					
13:50:15	66	58	14:05:40	156	60					
13:50:45	66	58	14:06:10	156	60					
13:51:40 M	66	58	14:06:40	154	60					

TABLE 10	L/HOSE: 100'	NAME:	LOCATION:	HYD FLOW			
GT-185	DATE: 12/15/03	CHRIS CASS	BACK UP	(METER)			
CCG W/	STEAM COIL						
TIME	FLOW RATE	TIME	FLOW RATE	TIME	FLOW RATE	TIME	FLOW RATE
13:35:45	0	13:49:17	17	14:01:45	23	14:13:28	22
13:36	0	13:49:46	19	14:02:15	23		23
13:36:43	0	13:50:15	18		23	14:14:04	23
13:37:12	0	13:50:44	18	14:02:43	23	14:14:23	23
13:37:41	0	13:51:13	18	14:03:08	23	14:14:42	22
13:38:10	0		18	14:03:33	23	14:15:01	23
13:38:39	0	13:51:40	18	14:03:58	23	14:15:20	23
13:39:08	15	13:52:12	18	14:04:23	23		24
13:39:37	20	13:52:47	18	14:04:48	23	14:15:40	25
13:40:06	20	13:53:22	23	14:05:10	23	14:16:08	24
13:40:35	23	13:53:57	19	14:05:35	23	14:16:36	25
13:41:04	25	13:54:32	18	14:06:10	23	14:17:04	23
13:41:33	23	13:55:07	18	14:06:35	23	14:17:32	24
13:42:02	23	13:55:42	18	14:07:10	23		24
13:42:31	21	13:56:17	18	14:07:35	23	14:18	24
13:43:00	20	13:56:52	18		23	14:18:50	24
13:43:29	10	13:57:27	18	14:07:38	23		STOP
13:43:58	10	13:58:02	23	14:08:06	23		
13:44:27	10	13:58:37	23	14:08:34	23		
13:44:56	11	13:58:45	23	14:09:02	23		
13:45:25	10	13:58:57	23	14:09:30	23		
13:45:54	10	13:59:09	25	14:09:58	23		
13:46:23	10	13:59:21	23		23		
13:46:52	10	13:59:33	23	14:10:23	23		
13:47:21	10	13:59:45	23	14:11:00	23		
13:47:50	10	14:00:15	23	14:11:37	23		
13:48:19	10	14:00:45	23	14:12:14	19		
13:48:48	9	14:01:15	23	14:12:51	20		

TABLE 10	L. OF HOSE: 500'	NAME: WHITE						
GT-185	CCG W/STEAM COIL	DATE: 12/15/03						
LOCATION:	WL CONTROL							
STAND	FLOW							
TIME	WL INLET	OUTLET	TIME	WL INLET	OUTLET	TIME	WL INLET	OUTLET
13:35	0	0	13:51:30	0	0	14:06:28	4.7	3.7
13:36:06	0	0	13:52:00	0	0			
13:36:37	0	0	13:52:30	10.7	0	14:07	4.3	4.7
13:37:08	0	0	13:53:00	11.4	0	14:07:30	4.2	4.6
13:37:39	0	0	13:53:30	10.6	0	14:08:00	4	4.5
13:38:10	7.9	0	13:54:00	9.8	0	14:08:30	4.7	0
13:38:41	8.3	0	13:54	10	0	14:09:00	4.4	0
13:39:12	7.7	3.7	13:55:00	10.4	0	14:09:30	4	0
13:39:43	0	4	13:55:36	9.6	3.1	14:10:00	3.8	0
13:40:14	0	3.6	13:56:12	9.5	5.9	14:10:30	1.6	0
13:40:45	0	3.1	13:56:48	9.9	7.5	14:11:00	4.7	4.6
13:41:16	0	3.9	13:57:24	9.5	6.6	14:11:30	4.6	3.9
13:41:47	0	2.9	13:57 III	10.5	6.2	14:12:00	4.3	3.7
13:42:18	0	3.3	13:58:09	9.8	6.5	14:12:30	4.5	3.8
13:42:49	0	2	13:58:21	8.6	6.7	14:13:00	5	4.1
13:43:20	0	1.9	13:59:33	7.8	8.3	14:13:30	0	4.2
13:43:51	0	5	13:59:45	8.4	9.9	14:14:00	0	6.4
13:44:22	0	5.1	13:59:57	7.6	9.7	14:14:30	0	6.5
13:44:53	0	6.8	14:00	8.4	9.2		0	7.8
13:45:24	11.2	7	14:00:24	8.6	8.8	14:15	0	8.2
13:45:55	9.7	8.7	14:00:48	7.6	0	14:15:36	0	6.8
13:46:26	10.4	9.4	14:01:12	8.3	0	14:16:12	5.3	0.3
13:46:57	9.1	7.1	14:01:36	7.7	0	14:16:48	5	0
13:47:28	10.9	9.4	14:02:00	8.6	0	14:17:24	4.4	0
13:47:59	9.6	8.6	14:02	8.1	0		4.5	0
13:48:30	9.7	9.7	14:02:30	8.4	0	14:18	4.5	0
13:49:01	9.7	9.4	14:03:00	4.6	0	14:18:49	1.3	0
13:49:32	0	10	14:03:30	4.6	0			
13:50:03	0	0	14:04:00	4.8	0			
13:50:34	0	0	14:04	4.5	0			
13:51:15	0	0	14:04:40	4	0			
	0	0	14:05:16	3.4	4.6			
13:51	0	0	14:05:52	4.2	4.3			

TABLE 10	L. OF HOSE: 500'	DATE: 12/15/03	LOCATION:	BOILER STEAM
GT-185	W/STEAM COIL	IN=HOT/OUT=COLD	PRESSURE	
NAME: GIL	ON-OFF MEANS	VALVE OPENED-IMMEDIATELY SHUT		
TIME	PRESSURE	TIME	PRESSURE	
1:35:42	150	1:55:12 ON/OFF	155	
1:36:12	135	1:55:42 ON/OFF	180	
1:36:42	100	1:56:12 ON/OFF	190	
1:37:12	120	1:56:42 ON/OFF	185	
1:37:42	110	1:57:12 ON/OFF	190	
1:38:12	80	1:57:42 ON/OFF	200	
1:38:42	80	1:58:12 ON/OFF	210	
1:39:12	100	1:58:42 ON/OFF	180- 8 IN/8 OUT	
1:39:42	130	1:59:12 ON/OFF	170	
1:40:12	160	1:59:42 ON/OFF	155	
1:40:42	200	2:00:12 ON/OFF	165	
1:41:12	190	2:00:42 ON/OFF	160	
1:41:42	190	2:01:12 ON/OFF	150- 8 IN/0 OUT	
1:42:12	190	2:01:42 ON/OFF	170	
1:42:42	205	2:02:12 ON/OFF	175	
1:43:12	190	2:02:42 ON/OFF	180	
1:43:42OFF	200	2:03:12 ON/OFF	180-4 IN/0 OUT	
1:44:12	190	2:03:42 ON/OFF	190	
1:44:42	210	2:04:12 ON/OFF	195	
1:45:12	200	2:04:42 ON/OFF	200	
1:45:42	195	2:05:12 ON/OFF	195	
1:46:12	210	2:05:42 ON/OFF	215	
1:46:42ON	180	2:06:12 ON/OFF	215	
1:47:12OFF	200	2:06:42 ON/OFF	190	
1:47:42ON	215	2:07:12 ON/OFF	180	
1:48:12OFF	200	2:07:42 ON/OFF	175	
1:48:42ON/OFF	200	2:08:12 ON/OFF	200 - STOP	
1:49:12ON/OFF	215	2:08:42 STOP	200	
1:49:42 ON/OFF	190	4 IN / 0 OUT	STEAM OFF	
1:50:12 ON/OFF	170	4 IN / 4 OUT	STEAM OFF	
1:50:42 ON/OFF	195	6 COLD/ 0 OUT	STEAM OFF	
1:51:12 ON/OFF	160			
1:51:42 ON/OFF	160			
1:52:12 ON/OFF	195			
1:52:42 ON/OFF	210			
1:53:12 ON/OFF	185			
1:53:42 ON/OFF	180			
1:54:12 ON/OFF	165			
1:54:42 ON/OFF	175			

TABLE 10	LENGTH HOSE:	NAME: G. STOCK	LOCATION:		
GT-185	500'	DATE: 12/15/03	BOILER STEAM		
CCG W/	STEAM COIL		PRESSURE		
TIME	BAKER TANK1	BAKER TANK 2	BAKER TANK 3 L34	BAKER TANK 4	BAKER TANK 5
	L 32	L 33	L 34	L 35	L 36
13:37	69.3	65.2	68.8	75.6	76
13:47	69.8	65.9	69	75.9	76.4
13:57	70.2	66.1	69.3	76.1	76.5
14:07	70.1	65.7	69	75.8	76.2
14:17	70.8	66.5	69.5	76.2	76.6
TIME	BAKER TANK 6	BAKER TANK 7			
	L 37	L 38			
13:37	69.4	68.8			
13:47	69.5	69			
13:57	69.8	69.3			
14:07	69.5	69			
14:17	70	69.6			

TABLE 10	LENGTH OF HOSE: 500'	NAME: G. STOCK	DATE: 12/15/03	
GT-185	CCG W/STEAM COIL	LOCATION: BULK	OIL BACKUP WATER	TANKS
TIME	BULK OIL TEMP ©	HOT WATER TANK	TEMPERED WATER	
	USCG TANK L11	H/H TEMP L19	H/H TEMP TANK L20	
13:37	67.3	184.6	60	
13:47	67.6	183.4	60	
13:57	72.9	181.8	60	
14:07	68.7	179.8	60	
14:17	69.1	178.2	60	

TABLE 10	L. OF HOSE: 100'	NAME: MATT	DATE:	GT 185
LOCATION:	HYD OIL BACKUP @	HPU	12/15/2003	W/STEAM COIL
TIME	SUPPLY PRESS	RETURN PRESS	FLOW RATE	
1:37	500	85	0	
1:42	2800	80	23	
1:45	2200	78	10	
1:50	1950	75	10	
1:51	3000	72	17	
1:52	3000	72	19	
1:53	3000	72	18	
1:53 MARK	3000	72	18	
1:56 MARK	2600	72	18	
1:58	2950	70	23	
2:01 MARK	1500	70	23	
2:03 MARK	1500	72	23	
2:06 MARK	1500	72	23	
2:08 MARK	1500	72	23	
2:11 MARK	1550	73	23	
2:14 MARK	2700	75	24	
2:16 MARK	3000	70	24	
2:19 MARK	1500	70	24	
STOP DATA				

TABLE 10	L. OF HOSE100'	NAME: R.	DATE:	LOCATION:	BACK UP PUMP P				
GT-185 CCG	W/STEAM COIL	MACKAY	12/15/2003	PRESSURE	GAUGE				
TIME	PRESSURE	TIME	PRESSURE	TIME	PRESSURE	TIME	PRESSURE	TIME	PRESSURE
13:35	0	13:46	74		156	14:08:00	4		4
	0		70	13:58	152		4	42:47 M	4
	0		76		156		4	14:20:00	4
13:36	0	13:47	76		156	14:09:00	4		
	0		78	13:59	140		4		
	0		78		90		4		
13:37	0	13:48	80		42	14:10:00	4		
	0		70	14:00:00	8		4		
	0		1		6		4		
13:38	0				4	34:46 M	4		
	0	13:49	152	14:01:00	4	14:11:00	4		
	0		152		4		4		
13:39	4	13:50	150		4		4		
	18		150	14:02:00	4	14:12:00	6		
	60		150		4		20		
13:40	74	15:52 M	148		4		46		
	90	13:51	146	27:00 M	4	14:13:00	64		
	88		150		4	37:25 M	72		
13:41	126		146		4	14:14:00	78		
	110	13:52	148	14:02:00	4	14:15:00	110		
	124		150		4		130		
13:42	134		138		4		150		
	160	13:53	130	14:03:00	4	14:16:00	154		
	158		126		4		150		
13:43	98		130	29:25 M	4		130		
	94	13:54	128	14:04:00	4	40:00 M	110		
	98	19:18 M	124	14:05:00	4	14:17:00	80		
13:44	100	13:55	124	14:06:00	4		80		
	110	13:56	124		4	14:18:00	80		
	80		126	14:07:00	4		20		
13:45	78		128		4		6		
	76	13:57	128		4	14:19:00	4		
	70		154	31:53 M	4		4		

TABLE 11	L/HOSE: 100'	NAME: MACKAY	DATE: 12/15/03		
USCG TANK	LOCATION:	BACK UP PUMP PRESSURE GAUGE			
TIME	PRESSURE	TIME	PRESSURE	TIME	PRESSURE
16:17	0	16:27	6	16:39	152
	0	10:15 M	6		156
	4	10:20	6	16:40	156
16:18	4		6		156
	4	16:28	6		156
	4		6	16:41	154
16:19	4		6		154
	4	16:29	6		154
	4	12:20 M	4	16:42:00	156
16:20	4		4		154
	4	16:30	4		160
	4		4	16:43:00	156
4:00 M	4		4		158
	4	16:31	4		160
	4		4	16:44:00	150
16:22	4	14:40 M	4		
	4	16:32	4		
	4		4		
16:23	4		4		
	4	16:33	10		
6:32 M	4		44		
6:40	4		64		
16:24	4	16:34	80		
	4		108		
	4		116		
16:25	4	16:35	128		
	4		142		
	4		150		
16:26	6	16:36	2		
	6		2		
	6		2		
		16:37	2		
			2		
			2		
		16:38	2		

TABLE 11	L/HOSE: 100'	NAME: JAKE	DATE: 12/15/2003				
USCG TANK	GT-185	LOCATION:	BAKER TANK TEMP				
TIME	BAKER TANK 1	BAKER TANK 2	BAKER TANK 3	BAKER TANK 4	BAKER TANK 5	BAKER TANK 6	BAKER TANK 7
	L32	L33	L34	L35	L36	L37	L38
4:20	75.7	66.3	68.4	73.1	74.3	68.5	67.2
4:30	75.3	66.1	68	71.1	72.1	67.5	67.1
4:37	74.5	66	67.8	70.8	72.4	67.4	66.9
4:45	72.9	66.1	67.9	70.1	71.2	67.4	66.7

TABLE 11	L/HOSE: 100'	NAME: JAKE	LOCATION:	BULKOIL BACKUP WATER TANKS			
USCG TANK	GT-185	DATE: 12/15/2003					
TIME	BULK OIL TEMP ©	HOT WATER TANK	TEMPERED WATER				
	USCG TANK 11	H/H TEMP L19	H/H TEMP TANK L20				
		LOW/MED/ HI					
4:17	76.5	202/ 202/ 202	60				
4:25	66.3	198.5/1199 9/198.7	60				
4:31	65.5	197.4/198/197.5	60				
4:40	65.6	195.2/197/196.6	60				
4:45		194.5/195.5/195.2	60				

TABLE 11	L/HOSE: 100'	NAME: WAYNE PAULS
USCG TANK	GT-185	DATE: 12/15/2003
LOCATION:	PUMP OIL DISCHARGE	TEMP
TIME	PUMP OIL DISCHARGE	
	FROM H/H L29	
16:19	FIRST OIL	
16:20	124°	
16:21	84	
16:22	105	
16:23	110	
16:24	108	
16:25	90	
16:26	82	
16:27	80	
16:28	80	
16:29	78	
16:30	76	
16:31	76	
16:32	74	
16:33	74	
16:34	74	
16:35	74	
16:36	76	
BREAK		
16:39	70	
16:40	70	
16:41	70	
16:42	72	
16:43	72	
16:44	74	
16:45		

TABLE 11	L/HOSE: 100'	NAME: ROBERTS	LOCATION:
USCG TANK	GT-185	DATE: 12/15/03	PUMP OIL DISCHARGE TEMP
TIME	WL INLET	OUTLET	
16:17	152	160	
16:17:30	170	170	
16:18:00	180	192	
16:18:30	184	192	
16:19:00	182	190	
16:19:30	178	190	
16:20:00	176	190	
16:20:30	172	190	
16:21:00	172	190	
16:21:13 M	172	190	
16:21:30	170	190	
16:22:00	170	190	
16:22:30	170	150	
16:23:00	168	120	
16:23:30	168	104	
16:23:43 M	168	104	
16:23:45	166	104	
16:24:30	134	90	
16:25:15	124	84	
16:26:00	112	84	
16:26 M	108	80	
16:27:00	94	78	
16:27:30 M	88	74	
16:28:00	86	72	
16:28:30	84	72	
16:29:00	84	70	
M	84	70	
16:29:30	82	70	
16:30:00	82	70	
16:30:30	80	70	
16:31	80	70	
16:31:48 M	80	70	
16:32:18	80	70	
16:32:48	80	70	
16:33:18	76	70	
16:33:48	76	106	
16:34:18	76	140	
16:34:48	76	152	
16:35:18	74	160	
16:35:48	74	164	
16:36:18	72	160	
16:36:48	72	152	
16:37:18	72	150	
16:37:48	72	148	
16:38:18	72	144	
16:38:48	70	152	
16:39:18	70	156	
16:39:48	70	156	
16:40:18	70	156	
16:40:48	70	156	
16:41:18	70	152	
	70	150	
16:41:42 M	68	150	
16:42:42	68	150	
16:43:42	68	148	
16:43	98	146	

TABLE 11	L/HOSE: 100'	NAME: C. CASS	LOCATION:		
USCG TANK	GT-185	DATE: 12/15/2003	HYD FLOW BACK UP (METER)		
TIME	FLOW RATE	TIME	FLOW RATE		
16:17	0	16:30:00	25		
16:17:30	0	16:30:30	24		
16:18:00	16	16:31:00	24		
16:18:30	24	16:31:30	24		
16:19:00	23	16:31:48	23		
16:19:30	23	16:32:18	23		
16:20:00	23	16:32:48	23		
16:20:30	23	16:33:18	23		
16:21:00	23	16:33:48	23		
16:21:13	23	16:34:18	21		
16:21:37	23	16:34:48	23		
16:22:01	23	16:35:18	21		
16:22:25	23	16:35:48	21		
16:22:49	23	16:36:18	0		
16:23:13	23	16:36:48	0		
16:23:43	23	16:37:18	0		
16:24:28	23	16:37:48	0		
16:25:13	23	16:38:18	0		
16:25:58	20	16:38:48	18		
16:26:43	20	16:39:18	17		
16:26	23	16:39:48	17		
16:26:30	24	16:40:18	17		
16:27:00	24	16:40:48	17		
16:27:30	24	16:41:18	17		
16:28:00	23	0:00:00	17		
16:28:30	25	16:41:42	17		
16:29:00	25	16:42:22	17		
16:29:30	25	16:43:02	18		
		16:43:42	17		
		16:43 STOP	17		

TABLE 11	L/HOSE: 100'	NAME: WHITE	LOCATION:		
USCG TANK	GT-185	DATE: 12/15/03	WL CONTROL	STAND	FLOW
TIME	WL INLET	OUTLET	TIME	WL INLET	OUTLET
16:17	6.3	0	16:31:32	0	2.4
16:17:30	8.3	9.2	16:32:04	0	1.6
16:18:00	7.4	10.3	16:32:36	0	0
16:18:30	5.3	5	16:33:08	0	0
16:19:00	4.8	4.5	16:33:40	0	0
16:19:30	4.4	4.6	16:34:12	0	0
16:20:00	4.4	4.4	16:34:44	0	0
16:20:30	4.3	4.3	16:35:16	0	0
16:21:00	4	4.5	16:35:48	0	0
16:21	4.6	4.6	16:36:20	0	0
16:21:24	4.6	3.8	16:36:52	0	0
16:21:48	4.4	4.3	16:37:24	0	0
16:22:12	4.4	5	16:37:56	0	0
16:22:36	4.4	4.9	16:38:28	0	0
16:23:00	3.9	4.7	16:39:00	0	0
16:23	4.5	4.6	16:39:32	0	0
16:23:30	4.4	4.2	16:40:04	0	0
16:24:00	5	4.3	16:40:36	0	0
16:24:30	4.7	4.8	16:41:08	0	0
16:25:00	4	4.5	16:41	0	0
16:25	4.4	4.4	16:41:40	0	0
16:26:00	4.5	4.9	16:42:20	0	5.7
16:27:00	3.8	4.7	16:43:00	5.5	0
16:27	4.1	4.6	16:43	4.9	0
16:27:40	0	4.4			
16:28:20	0	4.4			
16:29:00	0	4.5			
16:29	0	4.8			
16:29:30	0	4.6			
16:30:00	0	1.7			
16:30:30	0	2.7			
16:31:00	0	2.8			
16:31	0	2.9			