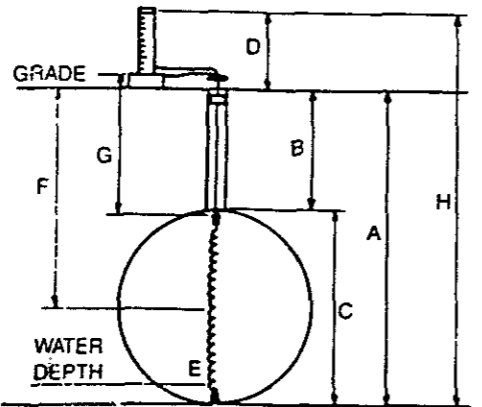


DATA CHART FOR TANK SYSTEM TIGHTNESS TEST (EZY CHEK)

Time (Military)	Reading No.	PRODUCT MONITORING ON LLR				Product +Gain -Loss	TEMPERATURE COMPENSATION A				+Expansion -Contraction	TEMPERATURE COMPENSATION B				NET VOL. CHANGE		
		Start	End	+Gain -Loss	X Factor A		Start	End	+Gain -Loss	X Factor B		Start	End	+Gain -Loss	X Factor B	+Expansion -Contraction	LLR	
	1	71	69	-2		-0.0070	.227	.222	-0.005		-0.0045							-0.0025
	2	69	68	-1		-0.0035	.222	.219	-0.003		-0.0027							-0.0008
	3	68	67	-1		-0.0035	.219	.217	-0.002		-0.0018							-0.0017
	4	67	66	-1		-0.0035	.217	.215	-0.002		-0.0018							-0.0017
	5	66	65	-1		-0.0035	.215	.215	0		0							-0.0035
	6	65	65	0		0	.215	.215	0		0							0
	7	65	64	-1		-0.0035	.215	.214	-0.001		-0.0009							-0.0026
	8	64	63	-1		-0.0035	.214	.215	+0.001		+0.0009							+0.0044
	9	72	71	-1	0	-0.0035	.215	.216	+0.001	0	+0.0009							-0.0044
	10	71	71	0	0	0	.216	.217	+0.001	0	+0.0009							-0.0009
	11	71	71	0	W	0	.217	.219	+0.002	0	+0.0018							-0.0018
	12	71	71	0	VA	0	.219	.221	+0.002	0	+0.0018							-0.0018
	13	71	71	0		0	.221	.222	+0.001		+0.0009							-0.0009
	14	71	71	0		0	.222	.222	0		0							0
	15	71	71	0		0	.222	.224	+0.002		+0.0018							-0.0018
	16	71	70	-1		-0.0035	.224	.225	+0.001		+0.0009							-0.0044
	17	70	70	0		0	.225	.226	+0.001		+0.0009							-0.0009
	18	70	69	-1		-0.0035	.226	.228	+0.002		+0.0018							-0.0053
	19	69	68	-1		-0.0035	.228	.229	+0.001		+0.0009							-0.0044
17:45	20	68	67	-1		-0.0035	.229	.229	0		0							-0.0035



COMMENT: PERM. DROP CUT OFF 10" BELOW TANK TOP. *

- A. Tank Bot. to Grade 85"
- B. Tank Top to Grade 20"
- C. Tank Diameter 65"
- D. Test Level above grade 57"
- E. Depth of water in tank 1.5"
- F. Depth for taking sample 53"
- G. Temp. Probe depth (connector) *32"
- H. Test level to Tank Bot. 142"
- I. Groundwater above tank bottom 0"
- J. Product Pressure per 1" height .031 PSI

Test Pressure Formula

$$142 \times .031 - (0 \times .036) = 4.402$$
NET TEST PRESSURE

Send Report to:
 Client
 Address
 City, State
 Phone ()
 Attn:

CERTIFICATION This is to certify that this tank system was tested on date shown. Those indicated "Tight" meet the criteria established by the National Fire Protection Association Pamphlet 329.

Tank No. FSFB-02
 Tight YES
 Leakage Indicated
 Technician [Signature]
 Date Tested 12-22-88

DATA CHART FOR TANK SYSTEM TIGHTNESS TEST

(EZY CHEK)

SAN-WAN ENVIRONMENTAL CO.
521 West Noble
Visalia, California 93277
(209) 733-5743

CLIENT

NAME OF SUPPLIER _____
OWNER OR DEALER SF-Oakland Bay Brdg. Toll plaza. Fac#12 DATE OF TEST 12-22-88
ADDRESS (NO. & STREET) _____ WEATHER Ptly. Cloudy TEMPERATURE 54°
CITY AND STATE Oakland, Cal

TANK INFORMATION

CAPACITY (NOMINAL) 2,000 GALS. SIZE OF FILL OR TEST OPENING 2" IN. CONTENTS (PRODUCT) Diesel
CAPACITY (CHART) _____ GALS. TOP OFF TIME 12-19-88 GALLONS UNK TANK MATERIAL Steel
DIMENSIONS: DIAMETER 65" NUMBER OF GALLONS ADDED TO START TEST _____ APPROX. AGE 9 yrs
LENGTH 94" TANK NO. T-SFB-02 PUMP SYSTEM (TYPE) SUCTION
INCHES OF WATER - BEFORE TEST 1 1/2" AFTER TEST 1 1/2"

TEST CALIBRATION

SIZE OF CAL. BAR OR ML'S ADDED .05 ÷ 14. (ALM) = .0035 (FACTOR A)

LINE MOVEMENT

1	<u>98</u>	to	<u>84</u>	=	<u>14</u>	LINES
2	<u>97</u>	to	<u>83</u>	=	<u>14</u>	LINES
3	<u>97</u>	to	<u>83</u>	=	<u>14</u>	LINES
TOTAL					<u>42</u>	LINES ÷ 3 = <u>14.</u> (ALM) LINES

END OF TEST CALIBRATION

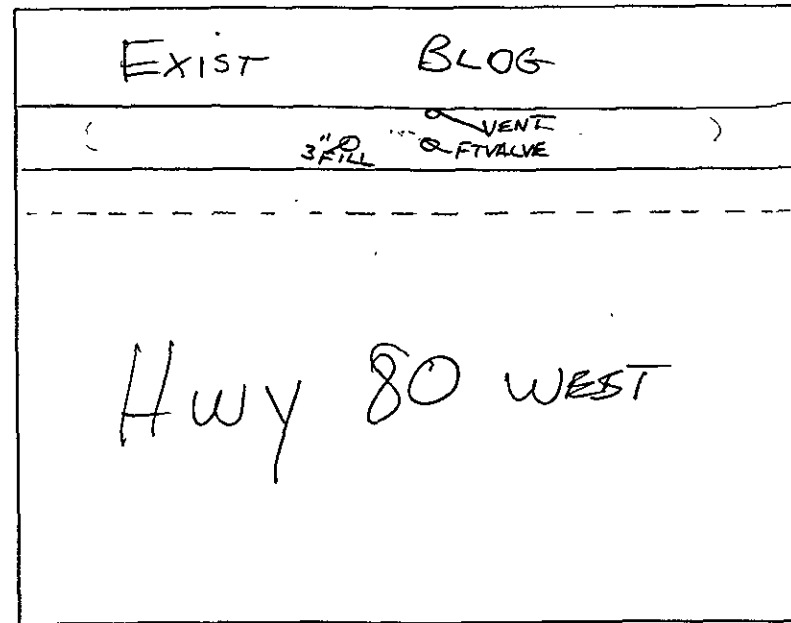
SIZE OF CAL. BAR OR ML'S ADDED .05 ÷ 14.3 (ALM) = .0034 (FACTOR A)

LINE MOVEMENT

1	<u>80</u>	to	<u>65</u>	=	<u>15</u>	LINES
2	<u>78</u>	to	<u>64</u>	=	<u>14</u>	LINES
3	<u>78</u>	to	<u>64</u>	=	<u>14</u>	LINES
TOTAL					<u>43</u>	LINES ÷ 3 = <u>14.3</u> (ALM) LINES

MEASURED API SPECIFIC GRAVITY 33.3
PRODUCT TEMPERATURE 52
API SPECIFIC GRAVITY @ 60° F 33.6 (FROM TABLE A)
COEFFICIENT OF EXPANSION .00045220 (FROM TABLE B)
.00645220 C.O.E. × 2,000 TOTAL CAPACITY (GAL.) = 904 VOL CHANGE* F (FACTOR B)

TANK LAYOUT



PRODUCT LINE TESTING

Time (Military)	Reading No.	PRODUCT MONITORING ON LL				Product +Gain -Loss
		Start	End	+Gain -Loss	X Factor A	
					.003	
					.003	
					.003	
					.003	

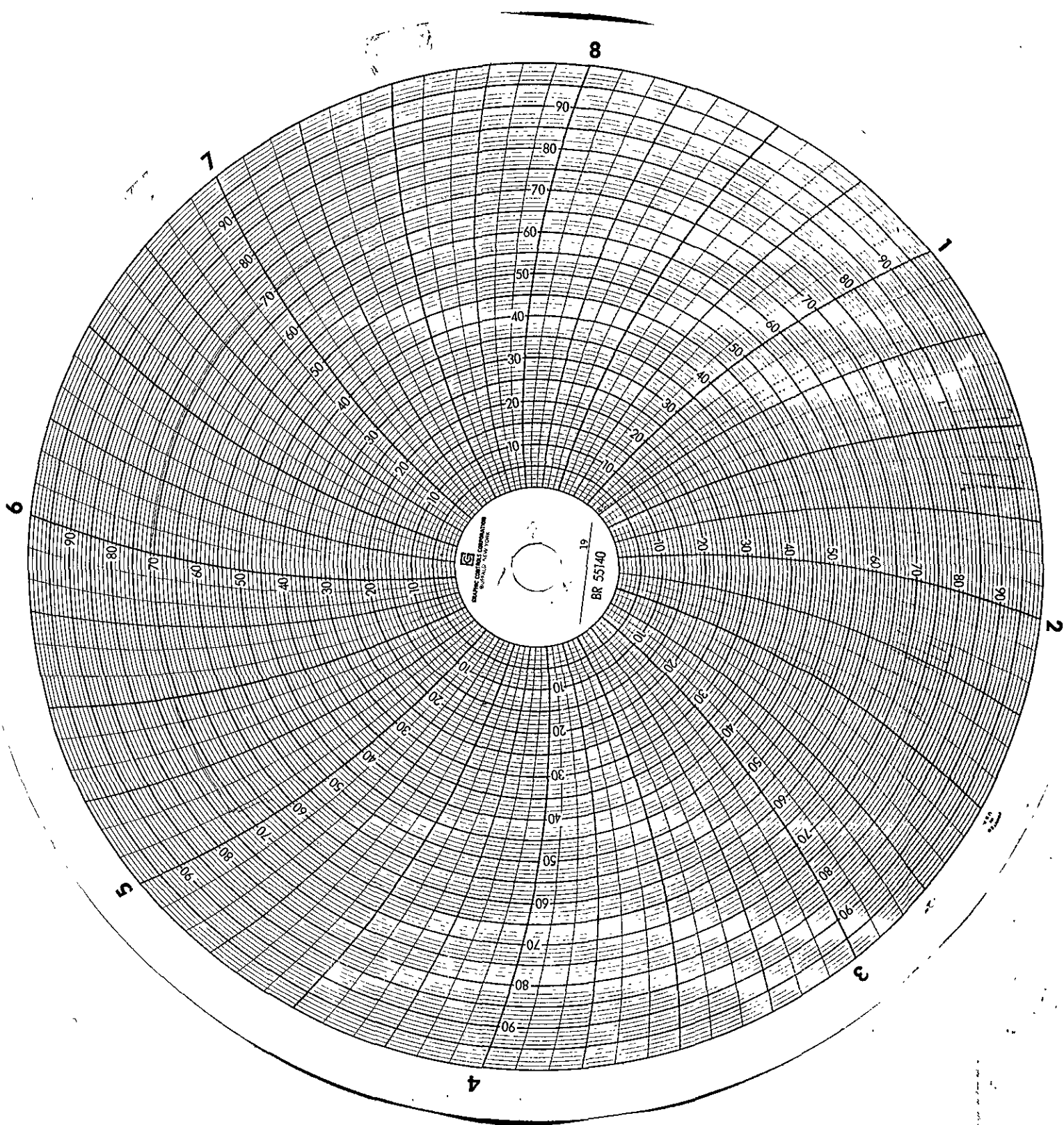
SYSTEM

Serial	Number

OSA ID ON VENT.

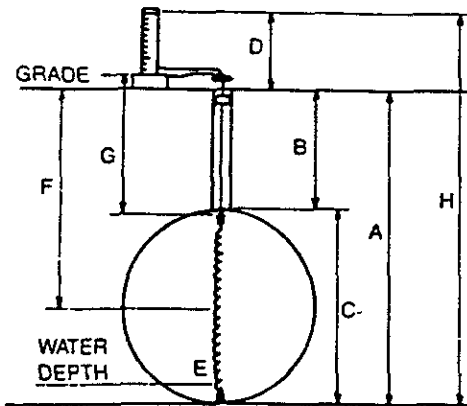
William H. Mendall
TECHNICIAN(S)

12-22-88
DATE



DATA CHART FOR TANK SYSTEM TIGHTNESS TEST (EZY CHEK)

Time (Military)	Reading No.	PRODUCT MONITORING ON LLR				Product +Gain -Loss	TEMPERATURE COMPENSATION A				+Expansion -Contraction	TEMPERATURE COMPENSATION B				NET VOL. CHANGE	
		Start	End	+Gain -Loss	X Factor A		Start	End	+Gain -Loss	X Factor B		Start	End	+Gain -Loss	X Factor B	+Expansion -Contraction	LLR
16:30	1	93	95	+2		+0.0062	.198	.196	-.002		-.0037						+0.0099
	2		99	+4		+0.0124	.196	.194	-.002		-.0037						+0.0161
	3	47	50	+3		+0.0093	.194	.191	-.003		-.0055						+0.0148
	4		53	+3		+0.0093	.191	.189	-.002		-.0037						+0.0130
	5		56	+3		+0.0093	.189	.187	-.002		-.0037						+0.0030
	6		57	+1		+0.0031	.187	.185	-.002		-.0037						+0.0068
	7		58	+1		+0.0031	.185	.183	-.002		-.0037						+0.0068
	8		59	+1		+0.0031	.183	.181	-.002		-.0037						+0.0068
	9		59	0	∞	0	.181	.179	-.002		-.0037						+0.0037
	10		59	0	∞	0	.179	.177	-.002		-.0037						+0.0037
	11		59	0	∞	0	.177	.175	-.002		-.0037						+0.0037
	12		58	-1	∞	-.0031	.175	.172	-.003		-.0055						+0.0024
	13		58	0		0	.172	.170	-.002		-.0037						+0.0037
	14		58	0		0	.170	.169	-.001		-.0018						+0.0018
	15		57	-1		-.0031	.169	.168	-.001		-.0018						-.0013
	16		56	-1		-.0031	.168	.167	-.001		-.0018						-.0013
	17		56	0		0	.167	.166	-.001		-.0018						+0.0018
	18		55	-1		-.0031	.166	.164	-.002		-.0037						+0.0006
	19		55	0		0	.164	.164	0		0						0
18:30	20		54	-1		-.0031	.164	.163	-.001		-.0018						-.0013



- A. Tank Bot. to Grade 140"
- B. Tank Top to Grade 64"
- C. Tank Diameter 76"
- D. Test Level above grade 27"
- E. Depth of water in tank 0"
- F. Depth for taking sample 102"
- G. Temp. Probe depth (connector) 166"
- H. Test level to Tank Bot. 167"
- I. Groundwater above tank bottom 0"
- J. Product Pressure per 1" height .026 PSI

Test Pressure Formula

$$\frac{167}{H} \times \frac{.026}{J} - \left(\frac{0}{I} \times .036 \right) = 4.342$$

NET TEST PRESSURE

Send Report to:
 Client _____
 Address _____
 City, State _____
 Phone () _____
 Attn: _____

CERTIFICATION This is to certify that this tank system was tested on date shown. Those indicated "Tight" meet the criteria established by the National Fire Protection Association Pamphlet 329.

Tank No. T-57B-01
 Tight Yes
 Leakage Indicated +0.0101
 Technician *[Signature]*
 Date Tested 12-22-88

DATA CHART FOR TANK SYSTEM TIGHTNESS TEST

(EZY CHEK)

SAN-WAN ENVIRONMENTAL CO.

521 West Noble

Visalia, California 93277

(209) 733-5743

CLIENT

NAME OF SUPPLIER, OWNER OR DEALER S.E. Oakland Bay Brdg. Toll Plaza. Fac # 12
 ADDRESS (NO. & STREET) _____
 CITY AND STATE Oakland, Cal.

DATE OF TEST 12-22-88
 WEATHER Partly Cloudy TEMPERATURE 54

TANK INFORMATION

CAPACITY (NOMINAL) 3,000 GALS. SIZE OF FILL OR TEST OPENING 2 IN. CONTENTS (PRODUCT) Unld.
 CAPACITY (CHART) _____ GALS. TOP OFF TIME 12-19-88 GALLONS _____ TANK MATERIAL Steel
 DIMENSIONS: DIAMETER 76" NUMBER OF GALLONS ADDED TO START TEST _____ APPROX. AGE 31 yrs.
 LENGTH 140 TANK NO. T-SFB-03 PUMP SYSTEM (TYPE) Suction

TEST CALIBRATION

SIZE OF CAL. BAR OR ML'S ADDED .05 ÷ 15.6 (ALM) = .0031 (FACTOR A)

LINE MOVEMENT

1	<u>86</u>	to	<u>71</u>	=	<u>15</u>	LINES
2	<u>86</u>	to	<u>70</u>	=	<u>16</u>	LINES
3	<u>86</u>	to	<u>70</u>	=	<u>16</u>	LINES
TOTAL					<u>47</u>	LINES ÷ 3 = <u>15.6</u> (ALM) LINES

END OF TEST CALIBRATION

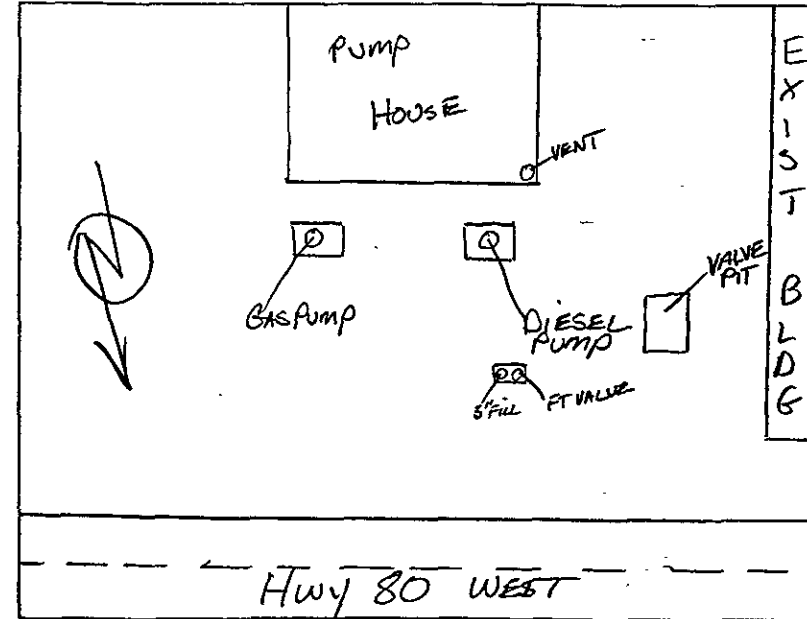
SIZE OF CAL. BAR OR ML'S ADDED .05 ÷ 15.6 (ALM) = .0031 (FACTOR A)

LINE MOVEMENT

1	<u>75</u>	to	<u>59</u>	=	<u>16</u>	LINES
2	<u>73</u>	to	<u>58</u>	=	<u>15</u>	LINES
3	<u>72</u>	to	<u>56</u>	=	<u>16</u>	LINES
TOTAL					<u>47</u>	LINES ÷ 3 = <u>15.6</u> (ALM) LINES

MEASURED API SPECIFIC GRAVITY 58.1
 PRODUCT TEMPERATURE 50
 API SPECIFIC GRAVITY @ 60° F 59.4 (FROM TABLE A)
 COEFFICIENT OF EXPANSION .00060934 (FROM TABLE B)
.00060934 C.O.E. × 3,000 TOTAL CAPACITY (GAL.) = 1.828 (FACTOR B)
 VOL. CHANGE @ F

TANK LAYOUT



OSA ID TAG ON VENT.

PRODUCT LINE TESTING

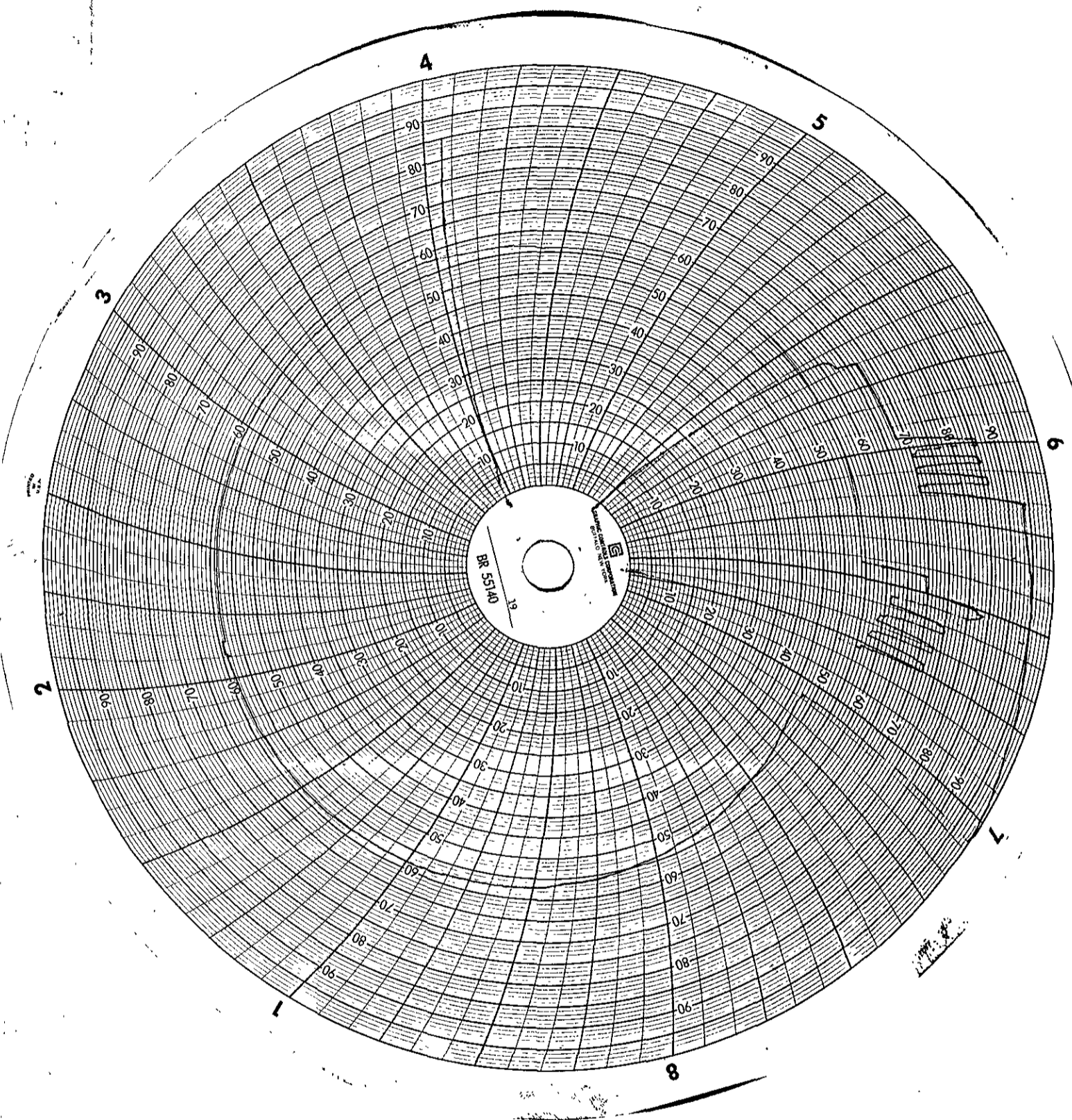
Time (Military)	Reading No.	PRODUCT MONITORING ON LL				Product +Gain -Loss
		Start	End	+Gain -Loss	X Factor A	
					.003	
					.003	
					.003	
					.003	

SYSTEM

Serial	Number

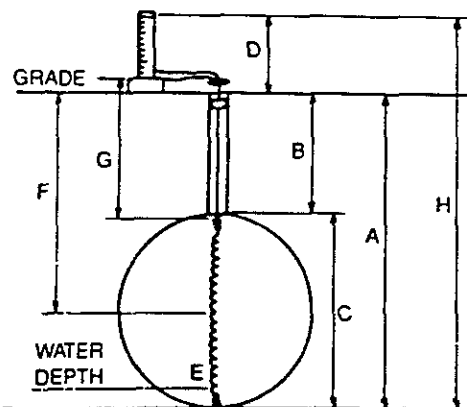
William H. Marshall
 TECHNICIAN(S)

12-22-88
 DATE



DATA CHART FOR TANK SYSTEM TIGHTNESS TEST (EZY CHEK)

Time (Military)	Reading No.	PRODUCT MONITORING ON LLR				Product +Gain -Loss	TEMPERATURE COMPENSATION A				+Expansion -Contraction	TEMPERATURE COMPENSATION B				NET VOL. CHANGE		
		Start	End	+Gain -Loss	X Factor A		Start	End	+Gain -Loss	X Factor B		Start	End	+Gain -Loss	X Factor B	+Expansion -Contraction	LLR	
10:06	1	77	78	+1		+0.031	.794	.830	+0.036		+0.0874							-.0843
	2	78	81	+3		+0.011	.83	.882	+0.052		+0.1263							-.1152
	3	81	83	+2		+0.0074	.882	.892	+0.010		+0.0243							-.0169
	4	83	87	+4		+0.0148	.892	.898	+0.006		+0.0146							+0.0002
	5	87	90	+3		+0.011	.898	.903	+0.005		+0.0121							-.0010
	6	90	94	+4		+0.0148	.903	.909	+0.006	N	+0.0146							+0.0002
	7	94	97	+3		+0.011	.909	.912	+0.003	N	+0.0073							+0.0038
	8	74	77	+3	0.003	+0.011	.912	.915	+0.003	N	+0.0073							+0.0038
	9	77	80	+3	0.003	+0.011	.915	.919	+0.004	N	+0.0097							+0.0014
	10	80	83	+3	0.003	+0.011	.919	.923	+0.004		+0.0097							+0.0014
	11	83	85	+2	0.003	+0.0074	.923	.927	+0.004		+0.0097							-.0023
	12	85	88	+3	0.003	+0.011	.927	.932	+0.005		+0.0121							-.0010
	13	88	92	+4	0.003	+0.0148	.932	.937	+0.005		+0.0121							+0.0027
	14	92	95	+3	0.003	+0.011	.937	.942	+0.005		+0.0121							-.0010
	15	95	97	+2	0.003	+0.0074	.942	.947	+0.005		+0.0121							-.0047
	16	97	100	+3	0.003	+0.011	.947	.951	+0.004		+0.0097							+0.0014
	17	69	72	+3	0.003	+0.011	.951	.955	+0.004		+0.0097							+0.0014
	18	72	75	+3	0.003	+0.011	.955	.960	+0.005		+0.0121							-.0010
	19	75	79	+4	0.003	+0.0148	.960	.965	+0.005		+0.0121							+0.0027
12:06	20	79	82	+3	0.003	+0.011	.965	.970	+0.005		+0.0121							-.0010



- A. Tank Bot. to Grade 126 "
- B. Tank Top to Grade 35 "
- C. Tank Diameter 91 "
- D. Test Level above grade 82 "
- E. Depth of water in tank 0 "
- F. Depth for taking sample 81 "
- G. Temp. Probe depth (connector) 37 "
- H. Test level to Tank Bot. 208 "
- I. Groundwater above tank bottom 31 "
- J. Product Pressure per 1" height .031 PSI

Test Pressure Formula

$$\frac{208 \times .031 - (31 \times .036)}{5.408} = 4.292$$
 NET TEST PRESSURE

Send Report to:
 Client _____
 Address _____
 City, State _____
 Phone () _____
 Attn: _____

CERTIFICATION This is to certify that this tank system was tested on date shown. Those indicated "Tight" meet the criteria established by the National Fire Protection Association Pamphlet 329.

Tank No. T-SFP-02
 Tight YES
 Leakage Indicated -0.0028
 Technician *[Signature]*
 Date Tested 12-23-88

DATA CHART FOR TANK SYSTEM TIGHTNESS TEST

(EZY CHEK)

SAN-WAN ENVIRONMENTAL CO.

521 West Noble

Visalia, California 93277

(209) 733-5743

CLIENT

NAME OF SUPPLIER, OWNER OR DEALER S.F. - OAK - BAY BRIDGE (PAINT YARD)
 ADDRESS (NO. & STREET) _____
 CITY AND STATE _____

DATE OF TEST _____
 WEATHER _____ TEMPERATURE _____

TANK INFORMATION

CAPACITY (NOMINAL) 4,000 GALS. SIZE OF FILL OR TEST OPENING 4 IN.
 CAPACITY (CHART) _____ GALS. TOP OFF TIME 12-22-88 GALLONS UNK
 DIMENSIONS: DIAMETER _____ NUMBER OF GALLONS ADDED TO START TEST 12
 LENGTH _____ TANK NO. T-SEP-02
 INCHES OF WATER - BEFORE TEST 0 " AFTER TEST 0 "

CONTENTS (PRODUCT) UNLD
 TANK MATERIAL Steel
 APPROX. AGE 8 yrs
 PUMP SYSTEM (TYPE) Suction

TEST CALIBRATION

SIZE OF CAL. BAR OR ML'S ADDED .05 ÷ 14 (ALM) = .0036 (FACTOR A)

LINE MOVEMENT

1 86 to 72 = 14 LINES
 2 87 to 73 = 14 LINES
 3 88 to 74 = 14 LINES
 TOTAL 42 LINES ÷ 3 = 14 (ALM) LINES

END OF TEST CALIBRATION

SIZE OF CAL. BAR OR ML'S ADDED .03 ÷ 13.3 (ALM) = .0037 (FACTOR A)

LINE MOVEMENT

1 96 to 83 = 13 LINES
 2 97 to 83 = 14 LINES
 3 97 to 84 = 13 LINES
 TOTAL _____ LINES ÷ 3 = 13.3 (ALM) LINES

MEASURED API SPECIFIC GRAVITY 57.5

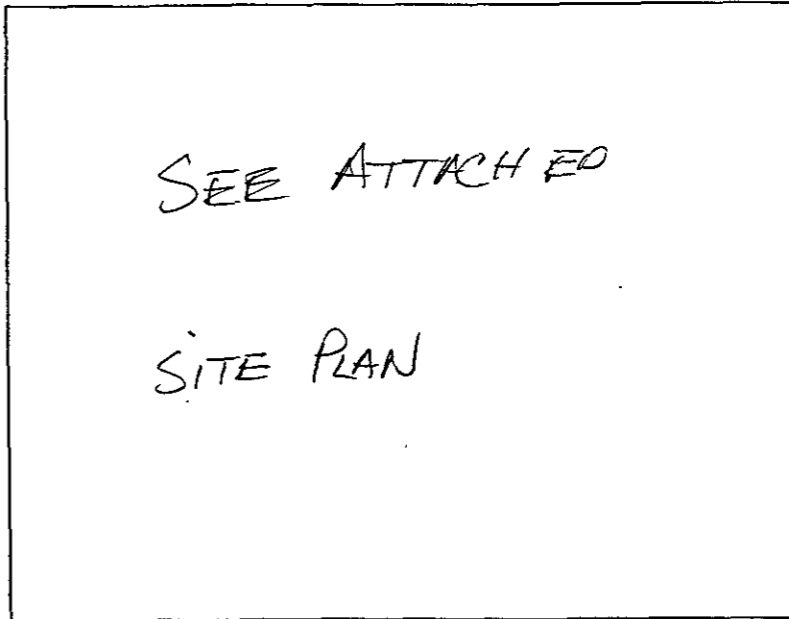
PRODUCT TEMPERATURE 47

API SPECIFIC GRAVITY @ 60° F 59.1 (FROM TABLE A)

COEFFICIENT OF EXPANSION .00060721 (FROM TABLE B)

.00060721 C.O.E. × 4,000 TOTAL CAPACITY (GAL.) = 2.429 (FACTOR B)
 VOL CHANGE/F

TANK LAYOUT



PRODUCT LINE TESTING

Time (Military)	Reading No.	PRODUCT MONITORING ON LL				Product +Gain -Loss
		Start	End	+Gain -Loss	X Factor A	
					.003	
					.003	
					.003	
					.003	

SYSTEM

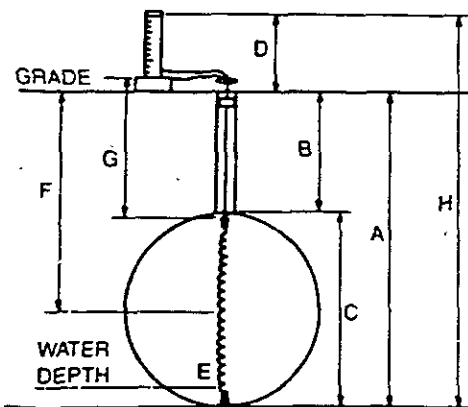
Serial	Number

Willard Campbell
 TECHNICIAN(S)

12-23-88
 DATE

DATA CHART FOR TANK SYSTEM TIGHTNESS TEST (EZY CHEK)

Time (Military)	Reading No.	PRODUCT MONITORING ON LLR				Product +Gain -Loss	TEMPERATURE COMPENSATION A				+Expansion -Contraction	TEMPERATURE COMPENSATION B				NET VOL. CHANGE	
		Start	End	+Gain -Loss	X Factor A		Start	End	+Gain -Loss	X Factor B		Start	End	+Gain -Loss	X Factor B	+Expansion -Contraction	LLR
10:00	1	56	56	0		0	.455	.454	-.001		-.0009						+0.0009
	2	56	55	-1		-.0034	.454	.453	-.001		-.0009						-.0025
	3	55	55	0		0	.453	.452	-.001		-.0009						+0.0009
	4	55	54	-1		-.0034	.452	.450	-.002		-.0018						-.0016
	5	54	54	0		0	.450	.447	-.003		-.0027						+0.0027
	6	54	53	-1		-.0034	.447	.444	-.003		-.0027						-.0007
	7	53	53	0		0	.444	.442	-.002		-.0018						+0.0018
	8	53	53	0		0	.442	.440	-.002		-.0018						+0.0018
	9	53	52	-1		-.0034	.440	.438	-.002		-.0018						-.0016
	10	60	60	0		0	.438	.436	-.002		-.0018						+0.0018
	11	60	59	-1		-.0034	.436	.433	-.003		-.0027						-.0007
	12	59	59	0		0	.433	.432	-.001		-.0009						+0.0009
	13	59	58	-1		-.0034	.432	.430	-.002		-.0018						-.0016
	14	58	58	0		0	.430	.428	-.002		-.0018						+0.0018
	15	58	58	0		0	.428	.427	-.001		-.0009						+0.0009
	16	58	57	-1		-.0034	.427	.425	-.002		-.0018						-.0016
	17	57	57	0		0	.425	.423	-.002		-.0018						+0.0018
	18	57	56	-1		-.0034	.423	.420	-.003		-.0027						-.0007
	19	56	56	0		0	.420	.419	-.001		-.0009						+0.0009
12:00	20	56	55	-1		-.0034	.419	.417	-.002		-.0018						-.0016



- A. Tank Bot. to Grade 111 "
- B. Tank Top to Grade 38 "
- C. Tank Diameter 13 "
- D. Test Level above grade 63 "
- E. Depth of water in tank 0 "
- F. Depth for taking sample 75 "
- G. Temp. Probe depth (connector) 40 "
- H. Test level to Tank Bot. 173 "
- I. Groundwater above tank bottom 131 "
- J. Product Pressure per 1" height .031 PSI

Test Pressure Formula

$$\frac{173}{H} \times \frac{.031}{J} - \left(\frac{131}{I} \times \frac{.036}{1.116} \right) = 4.247$$

NET TEST PRESSURE

Send Report to:
 Client _____
 Address _____
 City, State _____
 Phone () _____
 Attn: _____

CERTIFICATION This is to certify that this tank system was tested on date shown. Those indicated "Tight" meet the criteria established by the National Fire Protection Association Pamphlet 329.

Tank No. T-SFP-01
 Tight YES
 Leakage Indicated _____
 Technician [Signature]
 Date Tested 12-23-88

DATA CHART FOR TANK SYSTEM TIGHTNESS TEST

(EZY CHEK)

SAN-WAN ENVIRONMENTAL CO.

521 West Noble

Visalia, California 93277

(209) 733-5743

CLIENT

NAME OF SUPPLIER, OWNER OR DEALER S.F. OAKLD. Bay Brdg. Paint Mf.
 ADDRESS (NO. & STREET) East side of toll plaza
 CITY AND STATE Oakland, Ca

DATE OF TEST 12-23-88
 WEATHER Fair TEMPERATURE 35°

TANK INFORMATION

CAPACITY (NOMINAL) 2,000 GALS. SIZE OF FILL OR TEST OPENING 2" IN. CONTENTS (PRODUCT) DIESEL
 CAPACITY (CHART) _____ GALS. TOP OFF TIME 12-22-88 GALLONS UNK TANK MATERIAL Steel
 DIMENSIONS: DIAMETER 73" NUMBER OF GALLONS ADDED TO START TEST 7 APPROX. AGE 8 yrs
 LENGTH 104" TANK NO. T-SFP-01 PUMP SYSTEM (TYPE) Suction
 INCHES OF WATER - BEFORE TEST 2 " AFTER TEST 2 "

TEST CALIBRATION

SIZE OF CAL. BAR OR ML'S ADDED .05 ÷ 14.6 (ALM) = .0034 (FACTOR A)

LINE MOVEMENT

1 72 to 58 = 14 LINES
 2 72 to 57 = 15 LINES
 3 72 to 57 = 15 LINES
 TOTAL 44 LINES ÷ 3 = 14.6 (ALM) LINES

END OF TEST CALIBRATION

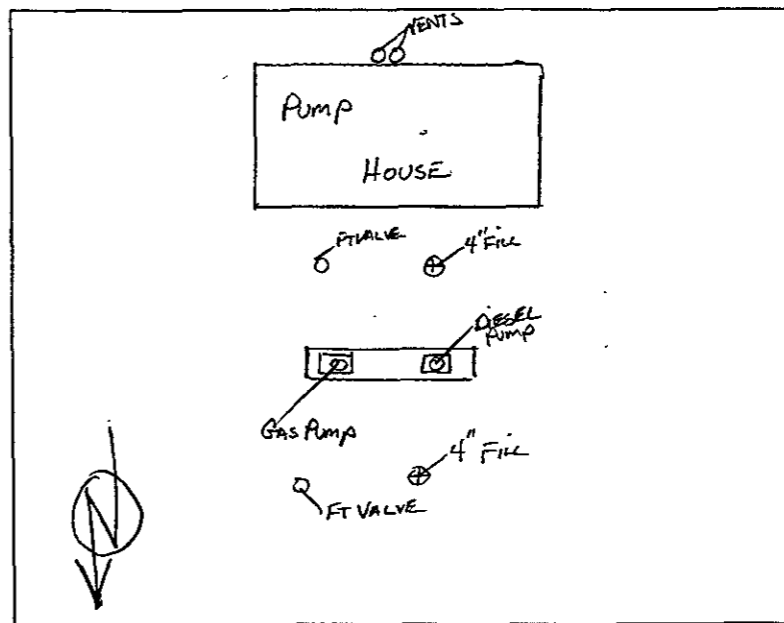
SIZE OF CAL. BAR OR ML'S ADDED .05 ÷ 13.6 (ALM) = .0036 (FACTOR A)

LINE MOVEMENT

1 68 to 55 = 13 LINES
 2 68 to 54 = 14 LINES
 3 68 to 54 = 14 LINES
 TOTAL 41 LINES ÷ 3 = 13.6 (ALM) LINES

MEASURED API SPECIFIC GRAVITY 32.2
 PRODUCT TEMPERATURE 50
 API SPECIFIC GRAVITY @ 60° F 32.9 (FROM TABLE A)
 COEFFICIENT OF EXPANSION .00044905 (FROM TABLE B)
.00044905 x 2000 = .8981 (FACTOR B)
C.O.E. TOTAL CAPACITY (GAL) VOL. CHANGE° F

TANK LAYOUT



PRODUCT LINE TESTING

Time (Military)	Reading No.	PRODUCT MONITORING ON LL				Product +Gain -Loss
		Start	End	+Gain -Loss	X Factor A	
					.003	
					.003	
					.003	
					.003	

SYSTEM

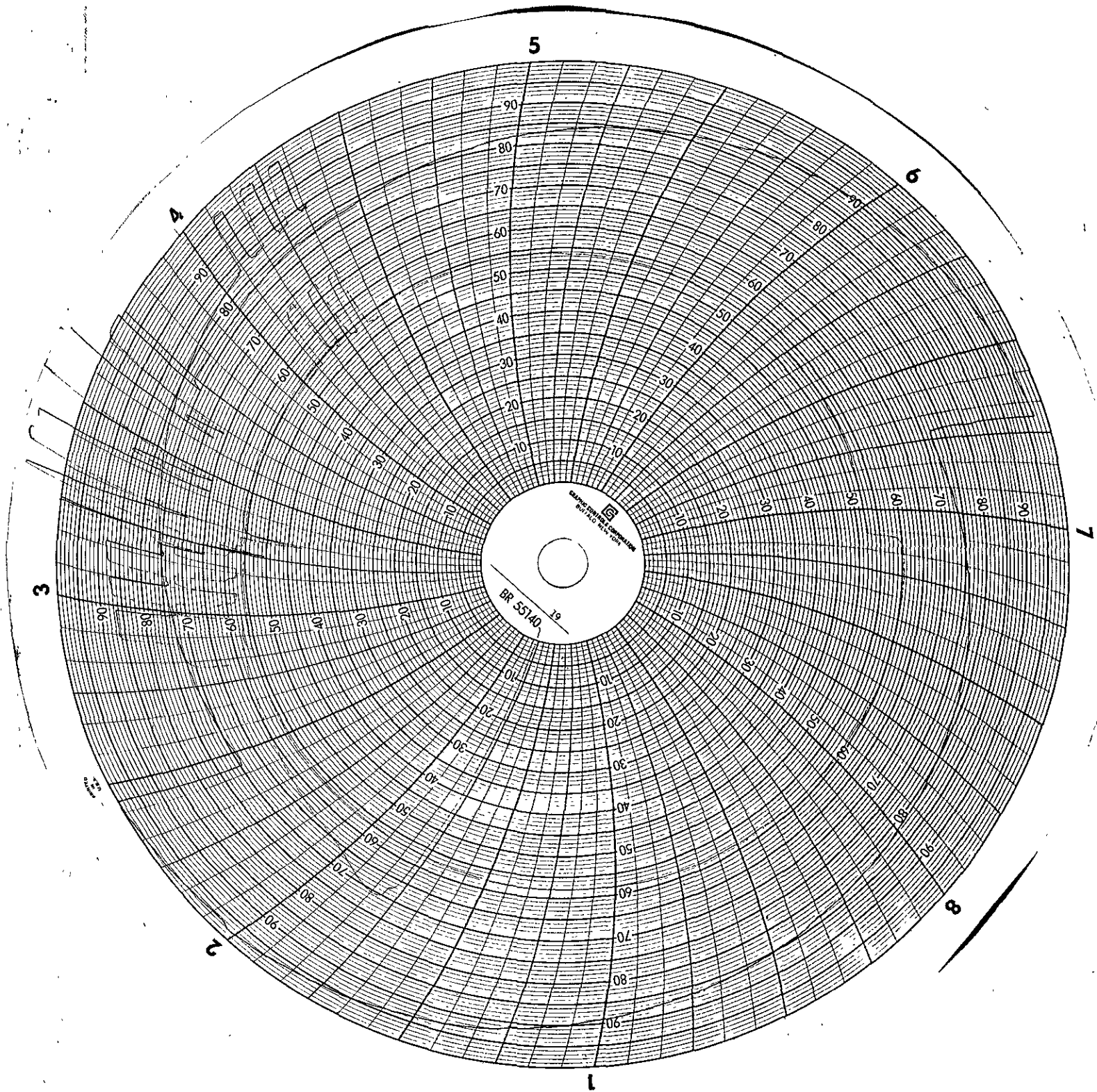
Serial	Number

*DELAY TIME: 7:30-9:15 TANK NOT TOPPED OFF
 ALLOWED 1HR TOTAL DELAY - 45 min DSA I.D. Tag is on Vent 4*

X. Mel. Brown

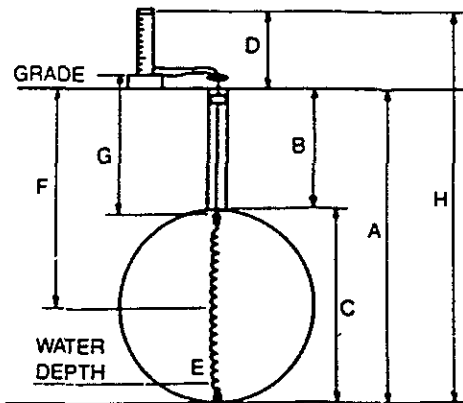
Wilbur M. ...
 TECHNICIAN(S)

12-23-88
 DATE



DATA CHART FOR TANK SYSTEM TIGHTNESS TEST (EZY CHEK)

Time (Military)	Reading No.	PRODUCT MONITORING ON LLR				Product +Gain -Loss	TEMPERATURE COMPENSATION A				+Expansion -Contraction	TEMPERATURE COMPENSATION B				NET VOL. CHANGE		
		Start	End	+Gain -Loss	X Factor A		Start	End	+Gain -Loss	X Factor B		Start	End	+Gain -Loss	X Factor B	+Expansion -Contraction	LLR	
15:45	1	94	92	-2		-0.062	.209	.200	-0.09		-0.081							+0.0019
	2	92	91	-1		-0.031	.200	.196	-0.04		-0.036							+0.0005
	3	91	89	-2		-0.062	.196	.193	-0.03		-0.027							-0.0035
	4	89	89	0		0	.193	.191	-0.02		-0.018							+0.0018
	5	89	91	+2		+0.062	.191	.190	-0.01		-0.009							+0.0071
	6	91	90	-1		-0.031	.190	.188	-0.02		-0.018							-0.0013
	7	90	90	0		0	.188	.186	-0.02		-0.018							+0.0018
	8	90	89	-1		-0.031	.186	.184	-0.02		-0.018							-0.0013
	9	89	89	0		0	.184	.182	-0.02		-0.018							+0.0018
	10	89	89	0		0	.182	.182	0		0							0
	11	89	88	-1		-0.031	.182	.180	-0.02		-0.018							-0.0013
	12	88	88	0		0	.180	.179	-0.01		-0.009							+0.0009
	13	88	87	-1		-0.031	.179	.177	-0.02		-0.018							-0.0013
	14	87	87	0		0	.177	.176	-0.01		-0.009							+0.0009
	15	87	86	-1		-0.031	.176	.174	-0.02		-0.018							-0.0013
	16	86	85	-1		-0.031	.174	.172	-0.02		-0.018							-0.0013
	17	85	84	-1		-0.031	.172	.170	-0.02		-0.018							-0.0013
	18	84	83	-1		-0.031	.170	.168	-0.02		-0.018							-0.0013
	19	83	82	-1		-0.031	.168	.165	-0.03		-0.027							-0.0004
17:45	20	82	81	-1		-0.031	.165	.162	-0.03		-0.027							-0.0004



- A. Tank Bot. to Grade 92"
- B. Tank Top to Grade 22"
- C. Tank Diameter 70"
- D. Test Level above grade 40"
- E. Depth of water in tank 0"
- F. Depth for taking sample 57"
- G. Temp. Probe depth (connector) 24"
- H. Test level to Tank Bot. 132"
- I. Groundwater above tank bottom 0"
- J. Product Pressure per 1" height .031 PSI

Test Pressure Formula

$$\frac{132 \times .031 - (0 \times .036)}{1} = 4.092$$
 NET TEST PRESSURE

Send Report to:

Client
 Address
 City, State
 Phone ()
 Attn:

CERTIFICATION This is to certify that this tank system was tested on date shown. Those indicated "Tight" meet the criteria established by the National Fire Protection Association Pamphlet 329.

Tank No. T-SFB-03
 Tight YES
 Leakage Indicated
 Technician [Signature] -0068
 Date Tested 12-23-88

DATA CHART FOR TANK SYSTEM TIGHTNESS TEST

(EZY CHEK)

SAN-WAN ENVIRONMENTAL CO.
521 West Noble
Visalia, California 93277
(209) 733-5743

PLAS
CA Office of State Archival
CAL TRANS - BAY BRIDGE TOLL

94607

CLIENT

NAME OF SUPPLIER, OWNER OR DEALER S.F. OAKLAND Bay Brdg. Toll Plaza-Fac #1 DATE OF TEST 12-23-88
ADDRESS (NO. & STREET) _____ WEATHER FAIR TEMPERATURE 57
CITY AND STATE OAKLAND, Cal

TANK INFORMATION

CAPACITY (NOMINAL) 2,000 GALS. SIZE OF FILL OR TEST OPENING 2" IN. CONTENTS (PRODUCT) Die
CAPACITY (CHART) _____ GALS. TOP OFF TIME 12-19-88 GALLONS UNK TANK MATERIAL Steel
DIMENSIONS: DIAMETER 70" NUMBER OF GALLONS ADDED TO START TEST 7 APPROX. AGE 31 yrs.
LENGTH 104" TANK NO. T-SFB-03 PUMP SYSTEM (TYPE) Suction
INCHES OF WATER - BEFORE TEST 0 " AFTER TEST 0 "

TEST CALIBRATION

SIZE OF CAL. BAR OR ML'S ADDED .05 ÷ 15.6 (ALM) = .0031 (FACTOR A)

LINE MOVEMENT

1	<u>91</u>	to	<u>75</u>	=	<u>16</u>	LINES
2	<u>91</u>	to	<u>75</u>	=	<u>16</u>	LINES
3	<u>90</u>	to	<u>75</u>	=	<u>15</u>	LINES
TOTAL					<u>47</u>	LINES ÷ 3 = <u>15.6</u> (ALM) LINES

END OF TEST CALIBRATION

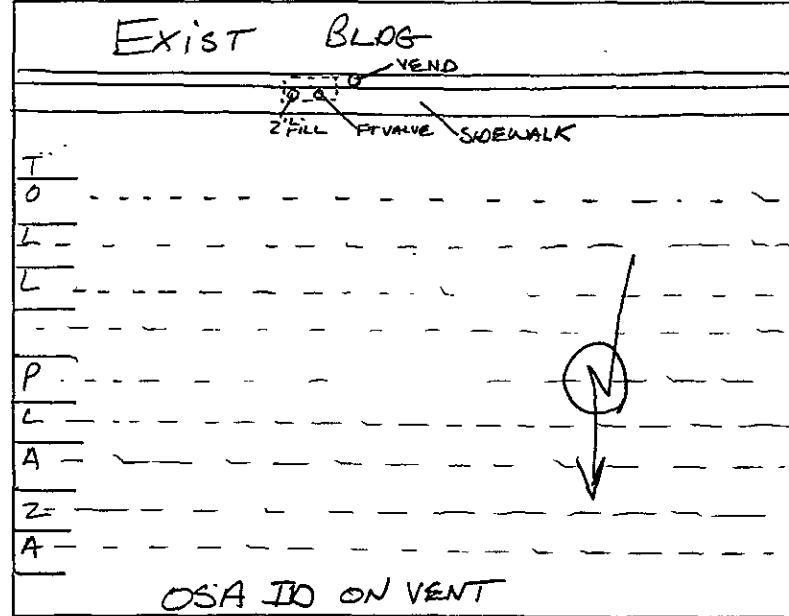
SIZE OF CAL. BAR OR ML'S ADDED .05 ÷ 17 (ALM) = .0029 (FACTOR A)

LINE MOVEMENT

1	<u>81</u>	to	<u>64</u>	=	<u>17</u>	LINES
2	<u>81</u>	to	<u>64</u>	=	<u>17</u>	LINES
3	<u>81</u>	to	<u>64</u>	=	<u>17</u>	LINES
TOTAL					<u>51</u>	LINES ÷ 3 = <u>17</u> (ALM) LINES

MEASURED API SPECIFIC GRAVITY 33.0
PRODUCT TEMPERATURE 51
API SPECIFIC GRAVITY @ 60° F 33.7 (FROM TABLE A)
COEFFICIENT OF EXPANSION .00045265 (FROM TABLE B)
.00045265 × 2000 (TOTAL CAPACITY (GAL.)) = .9053 (FACTOR B)
C.O.E. VOL CHANGE ° F

TANK LAYOUT



PRODUCT LINE TESTING

Time (Military)	Reading No.	PRODUCT MONITORING ON LL				Product +Gain -Loss
		Start	End	+Gain -Loss	X Factor A	
					.003	
					.003	
					.003	
					.003	

SYSTEM

Serial	Number

TANK # T-SFB-03 NOT READY FOR TEST ON 12-22-88
RETURN 12-23-88 FOR TEST.

X *William Reed*
William Reed
TECHNICIAN(S)

12-23-88
DATE

