Data Chart for Tank System Tightness Test

#1 Test

petro tite
TANK TESTER

PLEASE PRINT

1. OWNER Property [X] Tank(s) [X]

Name	Address	Representative	Telephone
CHEVRON U.S.A. INC. SS6414	1395 7Th. ST. OAKLAND		
Name	Address	Representative	Telephone

2. OPERATOR

Name	Address	Telephone
R.L. STEVENS Co.	22240 MEEKLAND AVE. Haywood, Cal. F94541	889-0908

3. REASON FOR TEST (Explain Fully)

4. WHO REQUESTED TEST AND WHEN

Name	Title	Company or Affiliation	Date
John Ramdall	ENG.	CHEVRON U.S.A. INC.	4-10-85
Address			Telephone

5. WHO IS PAYING FOR THIS TEST?

Company, Agency or Individual	Person Authorizing	Title	Telephone
CHEVRON U.S.A. INC.	John Ramdall	ENG.	838-5339
Billing Address	City	State	Zip
2 ANNABEL LANE, Suite 200	SAN Ramon,	Calif.	94

Attention of: Order No. Other Instructions

6. TANK(S) INVOLVED

Identify by Direction	Capacity	Brand/Supplier	Grade	Approx. Age	Steel/Fiberglass
#1	9000	CHEVRON	Reg.		STEEL
#2	8000	"	Reg		"
#3	4000	"	Reg.		"

7. INSTALLATION DATA

Location	Cover	Fills	Vents	Siphones	Pumps
South Side of Bldg.	Concrete	6"	2"	—	Remote
North inside driveway, Rear of station, etc.	Concrete, Black Top, Earth, etc.	Size, Titefill make, Drop tubes, Remote Fills	Size, Manifolded	Which tanks?	Suction, Remote, Make if known

8. UNDERGROUND WATER

Depth to the Water table _____"

Is the water over the tank? [ ] Yes [ ] No

9. FILL-UP ARRANGEMENTS

Tanks to be filled _____ hr. _____ Date Arranged by _____ Name Telephone

Extra product to "top off" and run TSTT. How and who to provide? Consider NO Lead.

Terminal or other contact for notice or inquiry _____ Company Name Telephone

10. CONTRACTOR, MECHANICS, any other contractor involved

R.L. STEVENS Co. 22240 MEEKLAND AVE. Haywood, Calif. 94541

11. OTHER INFORMATION OR REMARKS

Additional information on any items above. Officials or others to be advised when testing is in progress or completed. Visitors or observers present during test etc.

12. TEST RESULTS

Tests were made on the above tank systems in accordance with test procedures prescribed for petro tite TANK TESTER *as detailed on attached test charts with results as follows:*

Tank Identification	Tight	Leakage Indicated	Date Tested
#1	YES	+.029	4-15-85
#2	NO	-1.942	4-15-85
#3	YES	-.007	4-15-85

13. CERTIFICATION

This is to certify that these tank systems were tested on the date(s) shown. Those indicated as "Tight" meet the criteria established by the National Fire Protection Asociation Pamphlet 329.

4-15-85 Date

739 Serial No. of Thermal Sensor

DAVE STEVENS
ED SADANO Technicians

R.L. STEVENS Co. Testing Contractor or Company. By: Robert L Stevens Signature

22240 MEEKLAND AVE. Haywood, Cal. 9454 Address

Lic.# 415807 415-889-0908

[redacted]

14. Chevron SS 6414 | 1395 7th St. | Oakland | CA | 4-12-95
Name of Supplier, Owner or Dealer | Address No. and Street(s) | City | State | Date of Test

Petro Tite TANK TESTER

15. TANK TO TEST
#3
Identity by position
Chevron Reg.
Brand and Grade

16. CAPACITY
Nominal Capacity 4,000 Gallons
By most accurate capacity chart available 3993 Gallons
Is there doubt as to True Capacity? ☐
See Section "DETERMINING TANK CAPACITY"

From
- ☒ Station Chart
- ☐ Tank Manufacturer's Chart
- ☐ Company Engineering Data
- ☐ Charts supplied with Petro Tite TANK TESTER
- ☐ Other _____

17. FILL-UP FOR TEST

OBS API Gravity 58.1
OBS Temp 63
Correct 57.7

Stick Water Bottom before Fill-up ⊖ " to ⅛ in. ⊖ Gallons

	Stick Readings to ⅛ in.	Gallons	Total Gallons ea. Reading
Inventory			
			4010
			+ 10
			4020

Fill up. STICK BEFORE AND AFTER EACH COMPARTMENT DROP OR EACH METERED DELIVERY QUANTITY

Tank Diameter 64"

Product in full tank (up to fill pipe)

HEATH CONSULTANTS
100 TOSCA DRIVE
P.O. BOX CS-200
STOUGHTON, MA. 02072-1591
(617) 344-1400

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK

See manual sections applicable. Check below and record procedure in log (26).

☐ Water in tank ☐ High water table in tank excavation ☐ Line(s) being tested with LVLLT

VAPOR RECOVERY SYSTEM
☐ Stage I
☐ Stage II

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY

Bottom of tank to Grade*	124"
Add 30" for 4" L	"
Add 24" for 3" L or air seal	"
Total tubing to assemble Approximate	"

20. EXTENSION HOSE SETTING

Tank top to grade*	50"
Extend hose on suction tube 6" or more below tank top	"

*If Fill pipe extends above grade, use top of fill.

21. TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK

Is Today Warmer? ☐ Colder? ☐ ___° F Product in Tank ___° F Fill-up Product on Truck ___° F Expected Change (+ or −)

22. Thermal-Sensor reading after circulation 14668 digits → 66/67 Nearest °F

23. Digits per °F in range of expected change 326 digits

24. 4020 (total quantity in full tank (16 or 17)) × .0005737 (coefficient of expansion for involved product) = 2.4007374 gallons (volume change in this tank per °F)

25. 2.4007374 (volume change per °F (24)) ÷ 326 (Digits per °F in test Range (23)) = 0.0073642 (Volume change per digit. Compute to 4 decimal places.) This is (.0074) test factor (a)

26. LOG OF TEST PROCEDURES			30. HYDROSTATIC PRESSURE CONTROL		31. VOLUME MEASUREMENTS (V) RECORD TO .001 GAL.			34. TEMPERATURE COMPENSATION USE FACTOR (a)			38. NET VOLUME CHANGES EACH READING	39. ACCUMULATED CHANGE
27. DATE / TIME (24 hr.)	28. Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	Standpipe Level in Inches: Beginning of Reading	Standpipe Level in Inches: Level to which Restored	32. Product in Graduate: Before Reading	Product in Graduate: After Reading	Product Replaced (−) / Product Recovered (+)	35. Thermal Sensor Reading	36. Change Higher + Lower − (c)	37. Computation (c) × (a) = Expansion + Contraction −	Temperature Adjustment: Volume Minus Expansion (+) or Contraction (−) #33(V) − #37(T)	At High Level record Total End Deflection / At Low Level compute Change per Hour (NFPA criteria)
635	Arrived on location											

												±.001	±.0
735	Pump Primed and Running				Level in Standpipe maint. above							42"	
805	First Sensor reading							14668					
805	Remove API Sample												
810	Start Hi level Test			42				675					
825	Cont. Hi level Test	1	42.3	42	.605	.620	±.015	689	±14	±.104	±.089		
840	" " " "	2	42.5	42	.620	.645	±.025	704	±15	±.111	±.086		
855	" " " "	3	42.7	42	.645	.690	±.045	718	±14	±.104	±.051		
910	" " " "	4	42.7	42	.690	.725	±.035	732	±14	±.104	±.019		
925	" " " "	5	42.9	42	.725	.775	±.050	744	±12	±.089	±.039		
940	" " " "	6	42.9	42	.340	.410	±.030	754	±10	±.074	±.024		
													N/A
945	Drop to low level test			12				760					
1000	Cont. low level test	7	14.4	12	.440	.550	±.110	776	±16	±.119	±.009		
1015	" " " "	8	14.5	12	.550	.670	±.120	786	±10	±.074	±.046		
1030	" " " "	9	13.9	12	.610	.750	±.080	798	±12	±.089	±.009		
1045	" " " "	10	14.2	12	.750	.850	±.100	813	±15	±.111	±.011		±.007
1100	" " " "	11	14.4	12	.390	.505	±.115	828	±15	±.111	±.004		
1115	" " " "	12	14.3	12	.505	.610	±.105	841	±13	±.096	±.009		

SYSTEM Tight AT This Time

14. Chevron SS-6414 | 1395 7th St. | Oakland | CA | 4-11-89

Name of Supplier, Owner or Dealer | Address No. and Street(s) | City | State | Date of Test

petro tite TANK TESTER

15. TANK TO TEST

1

Identity by position

Chevron Reg.

Brand and Grade

16. CAPACITY

Nominal Capacity 9000 Gallons

By most accurate capacity chart available 9001 Gallons

Is there doubt as to True Capacity? ☐

See Section "DETERMINING TANK CAPACITY"

From

- ☒ Station Chart
- ☐ Tank Manufacturer's Chart
- ☐ Company Engineering Data
- ☐ Charts supplied with petro tite TANK TESTER
- ☐ Other

17. FILL-UP FOR TEST

OBS API Grav. 57.1
OBS Temp. 60
Correct 57.1

Stick Water Bottom before Fill-up 0 " to ⅛ in. 0 Gallons

Fill up. STICK BEFORE AND AFTER EACH COMPARTMENT DROP OR EACH METERED DELIVERY QUANTITY

Tank Diameter 95"

	Stick Readings to ⅛ in.	Gallons	Total Gallons ea. Reading
Inventory	Tanker	1801	
	Inven.	7310	
Product in full tank (up to fill pipe)			9150

HEATH CONSULTANTS
100 TOSCA DRIVE
P.O. BOX CS-200
STOUGHTON, MA. 02072-1591
(617) 344-1400

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK

See manual sections applicable. Check below and record procedure in log (26).

☐ Water in tank ☐ High water table in tank excavation ☐ Line(s) being tested with LVLLT

VAPOR RECOVERY SYSTEM

☒ Stage I
☐ Stage II

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY

Bottom of tank to Grade* ..... 131 "
Add 30" for 4" L ..... "
Add 24" for 3" L or air seal ..... "
Total tubing to assemble Approximate ..... "

20. EXTENSION HOSE SETTING

Tank top to grade* ..... 31 "
Extend hose on suction tube 6" or more below tank top ..... "

*If Fill pipe extends above grade, use top of fill.

21. TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK

Is Today Warmer? ☐ Colder? ☐ ___° F Product in Tank ___° F Fill-up Product on Truck ___° F Expected Change (+ or −)

22. Thermal-Sensor reading after circulation 14038 digits 65.1 Nearest °F

23. Digits per °F in range of expected change 326 digits

24. 9150 (total quantity in full tank (16 or 17)) × 0.0005930 (coefficient of expansion for involved product) = 5.425995 (volume change in this tank per °F) gallons

25. 5.425995 (volume change per °F (24)) ÷ 326 (Digits per °F in test Range (23)) = 0.016644 (Volume change per digit. Compute to 4 decimal places.) This is test factor (a)

26. LOG OF TEST PROCEDURES			30. HYDROSTATIC PRESSURE CONTROL		31. VOLUME MEASUREMENTS (V) RECORD TO .001 GAL.			34. TEMPERATURE COMPENSATION USE FACTOR (a)			38. NET VOLUME CHANGES EACH READING	39. ACCUMULATED CHANGE
27. DATE / TIME (24 hr.)	28. Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	Standpipe Level in Inches: Beginning of Reading	Standpipe Level in Inches: Level to which Restored	32. Product in Graduate: Before Reading	Product in Graduate: After Reading	Product Replaced (−) / Product Recovered (+)	35. Thermal Sensor Reading	36. Change Higher + Lower − (c)	37. Computation (c) × (a) = Expansion + Contraction −	Temperature Adjustment / Volume Minus Expansion (+) or Contraction (−) #33(V) − #37(T)	At High Level record Total End Deflection / At Low Level compute Change per Hour (NFPA criteria)
5:30	Arrived on location											

*	Set up test equip.											.0166	1
725	Pump Primed and Running												
800	First Sensor Reading							14038					
820	Remove API Sample												
825	Start Hi level test			42				048					
840	Cont. Hi level test	1	41.8	42	.795	.790	±.005	048	±0	±.000	±.005		
855	Cont. Hi level test	2	41.9	42	.790	.790	±.000	057	±9	±.149	±.149		
910	Cont. Hi level test	3	42.5	42	.790	.810	±.020	068	±11	±.183	±.183		
925	Cont. Hi level test	4	43.5	42	.810	.850	±.040	084	±16	±.266	±.266		
940	Cont. Hi level test	5	43.4	42	.850	.940	±.090	100	±16	±.266	±.266		
955	Cont. Hi level test	6	43.7	42	.420	.495	±.015	110	±10	±.166	±.091		
1010	Cont. Hi level test	7	43.7	42	.495	.600	±.105	122	±12	±.199	±.014		
1025	Cont. Hi level test	8		42	1.600	1.690	±.090	132	±10	±.166	±.016		
													N/A
1035	Drop to low level test			12				142					
1050	Cont. low level test	9	13.7	12	.265	.425	±.160	146	±4	±.066	±.014		
1105	Cont low level test	10	14.5	12	.425	.580	±.155	152	±6	±.100	±.055		
1120	Cont low level test	11	14.5	12	.580	.740	±.160	162	±10	±.166	±.026		
1135	Cont low level test	12	14.8	12	.740	.910	±.170	178	±16	±.266	±.096		
1150	Cont low level test	13		12	.390	.540	±.150	192	±14	±.232	±.082		
1205	Cont low level test	14		12	.540	.710	±.170	202	±10	±.166	±.014		
1220	Cont low level test	15		12	.710	.880	±.170	212	±10	±.166	±.001	±.025	
1235	Cont. low level test	16		12	.110	.265	±.155	220	±8	±.133	±.022		
1250	Cont. low level test	17		12	.265	.430	±.165	230	±6	±.166	±.001		

SYSTEM TIGHT AT THIS TIME

14. Chevron SS-6414 | 1395 7th St. | Oakland | CA | 4-10-85
Name of Supplier, Owner or Dealer | Address No. and Street(s) | City | State | Date of Test

petro Tite TANK TESTER

15. TANK TO TEST

#2
Identity by position

Chevron Reg.
Brand and Grade

16. CAPACITY

Nominal Capacity 8,000 Gallons

By most accurate capacity chart available 8,274 Gallons

Is there doubt as to True Capacity? ☐

See Section "DETERMINING TANK CAPACITY"

From
- ☒ Station Chart
- ☐ Tank Manufacturer's Chart
- ☐ Company Engineering Data
- ☐ Charts supplied with petro Tite TANK TESTER
- ☐ Other

17. FILL-UP FOR TEST

OBS API GRAV. 57.9
OBS Temp. 61
Correct 57.8

Stick Water Bottom before Fill-up 0 to ⅛ in. " 0 Gallons

Fill up. STICK BEFORE AND AFTER EACH COMPARTMENT DROP OR EACH METERED DELIVERY QUANTITY

Tank Diameter 95"

	Stick Readings to ⅛ In.	Gallons	Total Gallons ea. Reading
Inventory	Arrival	2	
	First Tank	2220	
	Second Tank	6,240	
Product in full tank (up to fill pipe)			

HEATH CONSULTANTS
100 TOSCA DRIVE
P.O. BOX CS-200
STOUGHTON, MA. 02072-1591

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK

See manual sections applicable. Check below and record procedure in log (26).

☐ Water in tank ☐ High water table in tank excavation ☐ Line(s) being tested with LVLLT

VAPOR RECOVERY SYSTEM
- ☒ Stage I
- ☐ Stage II

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY

Bottom of tank to Grade*	129½ "
Add 30" for 4" L	"
Add 24" for 3" L or air seal	"
Total tubing to assemble Approximate	"

20. EXTENSION HOSE SETTING

Tank top to grade*	34½ "
Extend hose on suction tube 6" or more below tank top	"

*If Fill pipe extends above grade, use top of fill.

21. TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK

Is Today Warmer? ☐ Colder? ☐ ___° F Product in Tank ___° F Fill-up Product on Truck ___° F Expected Change (+ or −)

22. Thermal-Sensor reading after circulation 125.96 digits 60% Nearest °F

23. Digits per °F in range of expected change 32 digits

24. 8220 total quantity in full tank (16 or 17) × .0005984 coefficient of expansion for involved product = 4.914738 volume change in this tank per °F gallons

25. 4.914738 volume change per °F (24) ÷ 321.300 Digits per °F in test Range (23) = .0015301 Volume change per digit. Compute to 4 decimal places. This is test factor (a)

26. LOG OF TEST PROCEDURES			30. HYDROSTATIC PRESSURE CONTROL		31. VOLUME MEASUREMENTS (V) RECORD TO .001 GAL.			34. TEMPERATURE COMPENSATION USE FACTOR (a)			38. NET VOLUME CHANGES EACH READING	39. ACCUMULATED CHANGE
27. DATE / TIME (24 hr.)	28. Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	Standpipe Level in Inches: Beginning of Reading	Standpipe Level in Inches: Level to which Restored	32. Product in Graduate: Before Reading	Product in Graduate: After Reading	Product Replaced (−) / Product Recovered (+)	35. Thermal Sensor Reading	36. Change Higher + Lower − (c)	37. Computation (c) × (a) = Expansion + Contraction −	Temperature Adjustment: Volume Minus Expansion (+) or Contraction (−) #33(V) − #37(T)	At High Level record Total End Deflection / At Low Level compute Change per Hour (NFPA criteria)
1645	Arrived on location											
1735	First Tanker Pumped	2nd		gals								

825	Second Tanker Arrived											.055	1.4
915	Tanker left												
*	Set up test equip												
1015	Pump Primed and Running												
1120	First Sensor reading							125%					
1120	Remove API Sample												
1125	Start Hi level test			42				6.18					
1140	Cont. Hi level test	1	34	42	.930	.560	.370	6.46	.28	.528	.98		
1155	Cont. Hi level test	2	32	42	.510		+	6.68	.22	.337			
1210	Cont. Hi level test	3	34	42	.980	.565	.415	701	.33	.505	.920		
1225	Cont Hi level test	4	35	42	.910	.610	.300	720	.19	.291	.591		
1240	Cont Hi level test	5	34	42	.950	.630	.320	736	.16	.245	.565		
1255	Cont Hi level test	6	33.5	42	.630	.240	.390	762	.26	.398	.788		
1310	Cont Hi level test	7	33	42	.930	.580	.350	784	.22	.333	.683		
1325	Cont Hi level test	8	34	42	.580	.110	.470	810	.26	.398	.868		
1330	Drop to low level test			12				824					
1345	Cont low level test	9	53	12	.740	.410	.330	834	.10	.153	.483		
1400	Cont low level test	10	59	12	.950	.720	.230	847	.13	.199	.429		
1415	Cont low level test	11	62	12	.720	.480	.240	862	.15	.223	.463		
1430	Cont low level test	12	68	12	.830	.630	.200	886	.24	.367	.567		
1441	Cont low level test	13		12	.630								1.950
		14											
	Product lines Steel		1-leak										
	Vapor line glass		Tight										
	vent line Steel		Tight										

SYSTEM LEAKS

Data Chart for Tank System Tightness Test

petro Tite
TANK TESTER

#2 Test

PLEASE PRINT

1. OWNER Property [X] Tank(s) [X]

Name	Address	Representative	Telephone
CHEVRON U.S.A. INC. SS6414	1395 7TH ST. OAKLAND, CALIF		
Name	Address	Representative	Telephone

2. OPERATOR

Name	Address	Telephone
R.L. STEVENS Co.	22240 MEEKLAND AVE HAYWARD, CALIF	889-0908

3. REASON FOR TEST (Explain Fully)

4. WHO REQUESTED TEST AND WHEN

Name	Title	Company or Affiliation	Date
John Randall	ENG.	CHEVRON U.S.A INC.	4-10-85

Address: Telephone:

5. WHO IS PAYING FOR THIS TEST?

Company, Agency or Individual	Person Authorizing	Title	Telephone
CHEVRON U.S.A. INC.	JOHN RANDALL	ENG.	838-5339

Billing Address	City	State	Zip
2-ANNABEL LANE Suite 200	SAN RAMON,	CALIF.	

Attention of: Order No. Other Instructions

6. TANK(S) INVOLVED

Identify by Direction	Capacity	Brand/Supplier	Grade	Approx. Age	Steel/Fiberglass
#2	8000	CHEVRON	Reg.		Steel

7. INSTALLATION DATA

Location	Cover	Fills	Vents	Siphones	Pumps
South side of Bldg	Concrete	6"	2"	—	Remote
North inside driveway, Rear of station, etc.	Concrete, Black Top, Earth, etc.	Size, Titefill make, Drop tubes, Remote Fills	Size, Manifolded	Which tanks?	Suction, Remote, Make if known

8. UNDERGROUND WATER

Depth to the Water table _____"

Is the water over the tank? [ ] Yes [ ] No

9. FILL-UP ARRANGEMENTS

Tanks to be filled _____ hr. _____ Date Arranged by _____ Name Telephone

Extra product to "top off" and run TSTT. How and who to provide? Consider NO Lead.

Terminal or other contact for notice or inquiry _____ Company Name Telephone

10. CONTRACTOR, MECHANICS, any other contractor involved

R.L. STEVENS Co. 22240 MEEKLAND AVE HAYWARD, CALIF. 94541

11. OTHER INFORMATION OR REMARKS

Additional information on any items above. Officials or others to be advised when testing is in progress or completed. Visitors or observers present during test etc.

12. TEST RESULTS

Tests were made on the above tank systems in accordance with test procedures prescribed for petro Tite TANK TESTER as detailed on attached test charts with results as follows:

Tank Identification	Tight	Leakage Indicated	Date Tested
#2	NO	SEE Chart	4-12-85

13. CERTIFICATION

This is to certify that these tank systems were tested on the date(s) shown. Those indicated as "Tight" meet the criteria established by the National Fire Protection Association Pamphlet 329.

4-15-85 Date

DAVE STEVENS Technicians

R.L. STEVENS Co. Testing Contractor or Company By: Robert L Stevens Signature

22240 MEEKLAND AVE. HAYWARD, CALIF. 94541 Address

LIC # 415807 415-889-0908

Serial No of Thermal Sensor

Petro Tite TANK TESTER

14. [illegible] Oakland CA 4-12-85

Name of Supplier, Owner or Dealer | Address No. and Street(s) | City | State | Date of Test

15. TANK TO TEST

_____ Identity by position

_____ Brand and Grade

16. CAPACITY

Nominal Capacity [illegible] Gallons

By most accurate capacity chart available [illegible] Gallons

Is there doubt as to True Capacity? ☐

See Section "DETERMINING TANK CAPACITY"

From
- ☒ Station Chart
- ☐ Tank Manufacturer's Chart
- ☐ Company Engineering Data
- ☐ Charts supplied with Petro Tite TANK TESTER
- ☐ Other _____

17. FILL-UP FOR TEST

Stick Water Bottom before Fill-up _____" to ⅛ in. _____ Gallons

Fill up. STICK BEFORE AND AFTER EACH COMPARTMENT DROP OR EACH METERED DELIVERY QUANTITY

Tank Diameter [illegible]

	Stick Readings to ⅛ in.	Gallons	Total Gallons ea. Reading
Inventory	_____	_____	_____
	[illegible]	_____	_____
	_____	_____	_____
Product in full tank (up to fill pipe)	_____		2000

HEATH CONSULTANTS
100 TOSCA DRIVE
P.O. BOX CS-200
STOUGHTON, MA. 02072-1591
(617) 344-1400

18. SPECIAL CONDITIONS AND PROCEDURES TO TEST THIS TANK

See manual sections applicable. Check below and record procedure in log (26).

☐ Water in tank ☐ High water table in tank excavation ☐ Line(s) being tested with LVLLT

VAPOR RECOVERY SYSTEM

☐ Stage I
☐ Stage II

19. TANK MEASUREMENTS FOR TSTT ASSEMBLY

Bottom of tank to Grade* [illegible]"

Add 30" for 4" L _____"

Add 24" for 3" L or air seal _____"

Total tubing to assemble Approximate _____"

20. EXTENSION HOSE SETTING

Tank top to grade* [illegible]"

Extend hose on suction tube 6" or more below tank top _____"

*If Fill pipe extends above grade, use top of fill.

21. TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK

Is Today Warmer? ( ) Colder? ( ) ____° F Product in Tank ____° F Fill-up Product on Truck ____° F Expected Change (+ or −)

22. Thermal-Sensor reading after circulation _____ digits _____ Nearest °F

23. Digits per °F in range of expected change _____ digits

24. [illegible] total quantity in full tank (16 or 17) × 0.000 coefficient of expansion for involved product = _____ volume change in this tank per °F gallons

25. _____ volume change per °F (24) ÷ _____ Digits per °F in test Range (23) = _____ Volume change per digit. Compute to 4 decimal places. This is test factor (a)

26. LOG OF TEST PROCEDURES			30. HYDROSTATIC PRESSURE CONTROL		31. VOLUME MEASUREMENTS (V) RECORD TO .001 GAL.			34. TEMPERATURE COMPENSATION USE FACTOR (a)			38. NET VOLUME CHANGES EACH READING	39. ACCUMULATED CHANGE
27. DATE / TIME (24 hr.)	28. Record details of setting up and running test. (Use full length of line if needed.)	29. Reading No.	Standpipe Level in Inches: Beginning of Reading	Standpipe Level in Inches: Level to which Restored	32. Product in Graduate: Before Reading	Product in Graduate: After Reading	Product Replaced (−) / Product Recovered (+)	35. Thermal Sensor Reading	36. Change Higher + Lower − (c)	37. Computation (c) × (a) = Expansion + Contraction −	Temperature Adjustment / Volume Minus Expansion (+) or Contraction (−) #33(V) − #37(T)	At High Level record Total End Deflection / At Low Level compute Change per Hour (NFPA criteria)
7:30	ARRIVED TEST LOCATION											

TRANSFER Product

Set up Test equipment

1230 Pump Primed + Running

SHUT DOWN test

Product spraying out holes at END OF TANK near Lifting Lug.

TANK LEAKS

TRANSFERD all Product From Leaking TANK INTO other TANK.

STAND by For TANKER to Remove all Product