WAYNE INDUSTRIES, INC.

A & A TANK TESTING DIV.

5630 District Blvd. #103
Bakersfield, CA 93313
805/397-6555

November 12, 1987

Thrifty Oil Company
10000 Lakewood Blvd.
Downey, CA 90240

ATTN: Mr. Darrel Fah

RE: # 63 Telegraph & 62nd, Oakland, CA

On November 11, 1987, a Petro-Tite System Test was performed at the above-referenced location. The test was performed by Richard Shepard, A & A Technician, Certification #414811634. These underground tank and line tests are Precision Tests in accordance with the NFPA Code 329.02. The NFPA code 329.02 criteria for a tight system is a maximum gain or loss of .05 gallons per hour. Because of the almost infinite variables involved, this is intended to be a mathematical tolerance and is not the permission of actual leakage.

During the stand-pipe procedure, the internal liquid hydrostatic pressure applied to the underground tank system is generally two to three times greater than normal liquid storage pressures. This increase in hydrostatic pressure will amplify the indicated rate of leak accordingly.

SYSTEM TEST

TANK NO. 1 -
SIZE - 12,000 gallon steel tank
PRODUCT - Regular
The test showed a leakage of +.017 gallons per hour.
Based on the above criteria, we find the system mathematically Tight.

TANK NO. 2 -
SIZE - 15,000 gallon steel tank
PRODUCT - Unleaded
The test showed a leakage of -.016 gallons per hour.
Based on the above criteria, we find the system mathematically Tight.

TANK NO. 3 -
SIZE - 12,000 gallon steel tank
PRODUCT - Super Unleaded
The test showed a leakage of -.047 gallons per hour.
Based on the above criteria, we find the system mathematically Tight.

This concludes our test and findings on November 11, 1987. If you have any questions regarding the results, please contact me. It is your responsibility to notify your local County Health Department, Environmental Health, within thirty (30) days of the results of this test. This notification is required by the California Administrative Code, Title 23 Waters, Chapter 3 Water Resources Control Board, Sub-chapter 16 Underground Tank Regulations, Article 4.30.

We have enjoyed working with you on this project. If you need any further information, please feel free to contact our office.

Sincerely,

Mike Beck

Mike Beck
Project Manager

Enclosure

A & A TANK TESTING
5630 DISTRICT BLVD, STE 103
BAKERSFIELD, CA 93313
(805) 397-6555

PETRO-TITE TEST RESULTS

CUSTOMER NAME THRIFTY OIL COMPANY DATE 11-Nov-87
ADDRESS TELEGRAPH & 62ND, OAKLAND, CA TANK SIZE 12,000
STATION ID 63 PRODUCT REGULAR

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API GRAVITY 56.2 VAPOR RECOVERY TYPE
TEMPERATURE 57 STAGE I 0 TANK DIAMETER 95
CORR API GRAVITY 56.6 STAGE II 0 TANK CAPACITY 11911

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TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK

SENSOR READING: digits 15110 degrees F 68/69 DIGITS PER DEGREE 326

TANK QUANTITY 11911 X COEFFICIENT 0.00058946 EQUALS VOLUME CHANGE 7.021058

VOLUME CHANGE 7.0210580 DIVIDED BY DIGIT 326 EQUALS a FACTOR 0.02153698

a FACTOR FOR THIS TEST 0.0215

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		HYDROSTATIC PRESSURE CONTROL		VOLUME MEASUREMENT			TEMPERATURE COMPENSATION a FACTOR			NET VOLUME CHANGE	ACCUM. CHANGE
		BEGIN	RESTORED	BEFORE	AFTER	CHANGE	READING	CHANGE	COMP.	TEMP ADJ	
Pump Primed & Running 5:30											
BASE READING			42				15110				
1st Sensor Reading 6:30											
START H/L	1. 6:45	42.4	42	370	410	0.040	15112	2	0.043	-0.003	
	2. 7:00	42.1	42	410	420	0.010	15112	0	0.000	0.010	
	3. 7:15	42.0	42	420	420	0.000	15112	0	0.000	0.000	
	4. 7:30	42.1	42	420	430	0.010	15112	0	0.000	0.010	
	5. 7:45	42.5	42	430	480	0.050	15114	2	0.043	0.007	
	6. 8:00	42.0	42	480	480	0.000	15114	0	0.000	0.000	
	7. 8:15	42.1	42	480	490	0.010	15114	0	0.000	0.010	
	8. 8:30	42.4	42	490	530	0.040	15116	2	0.043	-0.003	
	9.										
	10.										
	11.										
	12.										
BASE READING			12				15116				
Drop to 12" low level test 8:45											
START L/L	1. 9:00	12.7	12	130	200	0.070	15116	0	0.000	0.070	
	2. 9:15	12.1	12	200	210	0.010	15116	0	0.000	0.010	0.010
	3. 9:30	12.4	12	210	250	0.040	15118	2	0.043	-0.003	0.007
	4. 9:45	12.1	12	250	260	0.010	15118	0	0.000	0.010	0.017
	5.10:00	12.0	12	260	260	0.000	15118	0	0.000	0.000	0.017

T-S SER #

TEST RESULTS + 0.017

BASED ON THE NFPA CODE 329.02 CRITERIA, WE FIND THIS SYSTEM TO BE "TIGHT."

TECHNI

CERTIFICATION # 414811634

A & A TANK TESTING
5630 DISTRICT BLVD, STE 103
BAKERSFIELD, CA 93313
(805) 397-6555

PETRO-TITE TEST RESULTS

CUSTOMER NAME THRIFTY OIL COMPANY DATE 11-Nov-87
ADDRESS TELEGRAPH & 62ND, OAKLAND, CA TANK SIZE 15,000
STATION ID 63 PRODUCT UNLEADED

API GRAVITY 54.8 VAPOR RECOVERY TYPE
TEMPERATURE 55 STAGE I 0 TANK DIAMETER 114
CORR API GRAVITY 55.4 STAGE II 0 TANK CAPACITY 15132

TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK

SENSOR READING: digits 14810 degrees F 67/68 DIGITS PER DEGREE 326

TANK QUANTITY 15132 X COEFFICIENT 0.00058094 EQUALS VOLUME CHANGE 8.790784

VOLUME CHANGE 8.7907840 DIVIDED BY DIGIT 326 EQUALS a FACTOR 0.02696559

a FACTOR FOR THIS TEST 0.027

		HYDROSTATIC PRESSURE CONTROL BEGIN	RESTORED	VOLUME MEASUREMENT BEFORE	AFTER	CHANGE	TEMPERATURE COMPENSATION READING	a FACTOR CHANGE	COMP.	NET VOLUME CHANGE TEMP ADJ	ACCUM. CHANGE
Pump primed & running 5:30											
BASE READING			42				14810				
1st Sensor Reading 6:45											
START H/L	1. 7:00	42.0	42	400	400	0.000	14810	0	0.000	0.000	
	2. 7:15	41.9	42	400	390	-0.010	14810	0	0.000	-0.010	
	3. 7:30	41.9	42	390	380	-0.010	14810	0	0.000	-0.010	
	4. 7:45	41.7	42	380	350	-0.030	14808	-2	-0.054	0.024	
	5. 8:00	41.8	42	350	330	-0.020	14808	0	0.000	-0.020	
	6. 8:15	41.9	42	330	320	-0.010	14808	0	0.000	-0.010	
	7. 8:30	41.6	42	320	280	-0.040	14806	-2	-0.054	0.014	
	8. 8:45	41.9	42	280	270	-0.010	14806	0	0.000	-0.010	
	9.										
	10.										
	11.										
	12.										
BASE READING			12				14806				
Drop to 12" low level test 9:00											
START L/L	1. 9:15	12.3	12	140	170	0.030	14806	0	0.000	0.030	
	2. 9:30	12.0	12	170	170	0.000	14806	0	0.000	0.000	0.000
	3. 9:45	11.9	12	170	160	-0.010	14806	0	0.000	-0.010	-0.010
	4 10:00	11.8	12	160	140	-0.020	14806	0	0.000	-0.020	-0.030
	5 10:15	11.6	12	140	100	-0.040	14804	-2	-0.054	0.014	-0.016

T-S SER # 1337

TEST RESULTS -0.016

BASED ON THE NFPA CODE 329.02 CRITERIA, WE FIND THIS SYSTEM TO BE "TIGHT."

TECHNICIAN

CERTIFICATION # 4148

A & A TANK TESTING
5630 DISTRICT BLVD, STE 103
BAKERSFIELD, CA 93313
(805) 397-6555

PETRO-TITE TEST RESULTS

CUSTOMER NAME THRIFTY OIL COMPANY DATE 11-Nov-87
ADDRESS TELEGRAPH & 62ND, OAKLAND, CA TANK SIZE 12,000
STATION ID 63 PRODUCT SUPER UNLEADED

API GRAVITY 55 VAPOR RECOVERY TYPE
TEMPERATURE 56 STAGE I 0 TANK DIAMETER 95
CORR API GRAVITY 55.5 STAGE II 0 TANK CAPACITY 11911

TEMPERATURE/VOLUME FACTOR (a) TO TEST THIS TANK

SENSOR READING: digits 14412 degrees F 66/67 DIGITS PER DEGREE 326

TANK QUANTITY 11911 X COEFFICIENT 0.00058165 EQUALS VOLUME CHANGE 6.928033

VOLUME CHANGE 6.9280331 DIVIDED BY DIGIT 326 EQUALS a FACTOR 0.02125163

a FACTOR FOR THIS TEST 0.0213

		HYDROSTATIC PRESSURE CONTROL		VOLUME MEASUREMENT			TEMPERATURE COMPENSATION			NET VOLUME CHANGE	ACCUM. CHANGE
		BEGIN	RESTORED	BEFORE	AFTER	CHANGE	READING	a FACTOR CHANGE	COMP.	TEMP ADJ	
Pump primed & running 5:30											
BASE READING			42				14412				
1st Sensor Reading 6:30											
START H/L	1. 6:45	41.8	42	380	360	-0.020	14412	0	0.000	-0.020	
	2. 7:00	41.6	42	360	320	-0.040	14410	-2	-0.043	0.003	
	3. 7:15	41.9	42	320	310	-0.010	14410	0	0.000	-0.010	
	4. 7:30	41.9	42	310	300	-0.010	14410	0	0.000	-0.010	
	5. 7:45	41.6	42	300	260	-0.040	14408	-2	-0.043	0.003	
	6. 8:00	41.9	42	260	250	-0.010	14408	0	0.000	-0.010	
	7. 8:15	42.0	42	250	250	0.000	14409	0	0.000	0.000	
	8. 8:30	41.8	42	250	230	-0.020	14408	0	0.000	-0.020	
	9.										
	10.										
	11.										
	12.										
BASE READING			12				14408				
Drop to 12" low level test 8:45											
START L/L	1. 9:00	12.5	12	140	190	0.050	14408	0	0.000	0.050	
	2. 9:15	11.8	12	190	170	-0.020	14408	0	0.000	-0.020	-0.020
	3. 9:30	11.6	12	170	130	-0.040	14406	-2	-0.043	0.003	-0.017
	4. 9:45	11.9	12	130	120	-0.010	14406	0	0.000	-0.010	-0.027
	5.10:00	11.8	12	120	100	-0.020	14406	0	0.000	-0.020	-0.047

T-S SER # 1343 TEST RESULTS -0.047

BASED ON THE NFPA CODE 329.02 CRITERIA, WE FIND
THIS SYSTEM TO BE "TIGHT."

TECHNICIAN Richard Shepard

CERTIFICATION # 414011834