

NONDESTRUCTIVE EVALUATION

ENVIRONMENTAL
PROTECTION

93 FEB 14 PM 1:53



NDE ENVIRONMENTAL CORPORATION

February 12, 1996

Alameda County
Env. Health
1131 Harbor Bay Pkwy
Alameda, CA 94502

RE: TESTING RESULTS

Dear Sir:

Enclosed please find the results from the recent testing performed in your area.

Shell Station:

1601 Webster Street, Alameda
2160 Otis Drive, Alameda

We are forwarding these reports on behalf of Shell Oil Products Company. If you have any questions concerning these results, please contact me at (800)964-0180.

Respectfully,

A handwritten signature in black ink, appearing to read 'Jerry Belloli'.

Jerry Belloli
Customer Service Rep.
NDE Environmental Corp.

CERTIFICATE OF UNDERGROUND STORAGE TANK SYSTEM TESTING

SHELL OIL COMPANY
ENVIRONMENTAL PROTECTION

96 FEB 14 PM 1:53

NDE ENVIRONMENTAL CORPORATION
8906 WALL STREET, SUITE 306
AUSTIN, TEXAS 78754
(512) 719-4633
FAX (512) 719-4986



TEST RESULT SITE SUMMARY REPORT

TEST TYPE: VPLT

TEST DATE: February 12, 1996

WORK ORDER NUMBER: 965385

INVOICE DATE:

INVOICE NUMBER:

CLIENT: SHELL PRODUCTS COMPANY
1390 WILLOW PASS ROAD
CONCORD, CA 94521

SITE: SHELL 204-0072-0502
2160 OTIS DR
ALAMEDA, CA 94501

ATTN: JOHN KOCH / AURA MATTICE

The following tests were conducted at the site above in accordance with all applicable portions of Federal, NFP A and local regulations.

Line and Leak Detector Tests

TANK NUMBER	PRODUCT	VOLUME CHANGE (gph)				LINE RESULT (P=pass, F=fail, I=inconclusive) A B C D	LEAK DETECTOR PRESENT	LEAK DETECTOR RESULT
		A	B	C	D			
1	PREMIUM	0.006				P	YES	PASS
2	PLUS	0.003				P	YES	PASS
3	UNLEADED	0.002				P	YES	PASS
4	WASTE OIL							

NDE appreciates the opportunity to serve you, and looks forward to working with you in the future. Please call any time, day or night, when you need us.

NDE Customer Service Representative:

Test conducted by:

JERRY BELLOLI

JEFF CONGER

Reviewed:

Technician Certification Number: 93-1116

INDIVIDUAL TANK/LINE/LEAK DETECTOR TEST REPORT
NDE ENVIRONMENTAL CORPORATION



TEST DATE: **February 12, 1996**
 CLIENT: **SHELL PRODUCTS COMPANY**

WORK ORDER NUMBER: **965385**
 SITE: **SHELL 204-0072-0502**

TANK INFORMATION			
Tank ID:	1	Bottom to top fill in inches:	140.0
Product:	PREMIUM	Bottom to grade fill in inches:	
Capacity in gallons:	9,543	Fill pipe length in inches:	
Diameter in inches:	92.00	Fill pipe diameter in inches:	4.0
Length in inches:	336	Stage I vapor recovery:	DUAL
Material:	FIBERGLASS	Stage II vapor recovery:	BALANCE
Tank:			
Manifolded Vent:			
V/R:			
COMMENTS			

TANK TEST RESULTS
Test method:
Psi at tank bottom:
Fluid level in inches:
UFT/OFT:
Fluid volume in gallons:
Water level in inches:
Test time:
Number of thermisters:
Specific gravity:
Water table depth in inches:
Determined by (method):
Leak rate in gph:
RESULT:
COMMENTS

LEAK DETECTOR RESULTS		
	New/passed detector	Failed/replaced detector
Test method:	FTA	
Make:	RED JACKET	
Model:	FX2	
S/N:	0206951386	
Open time in sec:	2.50	
Holding psi:	16	
Resiliency cc:	110	
Test leak rate ml/min:	189.0	
Metering psi:	10	
Calib. leak in gph:	3.00	
RESULT:	PASS	
COMMENTS		

ULLAGE TEST RESULTS
Test method:
Test time:
Ullage volume:
Ullage pressure:
RESULT:
DATA FOR UTS-4T ONLY:
Time of test 1:
Temperature:
Flow rate (cfh):
Time of test 2:
Temperature:
Flow rate (cfh):
Time of test 3:
Temperature:
Flow rate (cfh):
COMMENTS

LINE TEST RESULTS				
LINE	A	B	C	D
Material:	FIBERGLASS			
Diameter (in):	2.0			
Length (ft):	60.0			
Test psi:	50			
Bleedback cc:	80			
Test time (min):	30			
Test 1: start time:	22:09			
finish psi:	48			
vol change cc:	6			
Test 2: start time:	22:20			
finish psi:	49			
vol change cc:	3			
Test 3: start time:	22:31			
finish psi:	49			
vol change cc:	3			
Final gph:	0.006			
RESULT:	PASS			
Test type:	PTK-88			
Pump type:	PRESSURE	Pump make:	RED JACKET	
COMMENTS				

INDIVIDUAL TANK/LINE/LEAK DETECTOR TEST REPORT

NDE ENVIRONMENTAL CORPORATION



TEST DATE: **February 12, 1996**
 CLIENT: **SHELL PRODUCTS COMPANY**

WORK ORDER NUMBER: **965385**
 SITE: **SHELL 204-0072-0502**

TANK INFORMATION

Tank ID: 2 Product: PLUS Capacity in gallons: 9,543 Diameter in inches: 92.00 Length in inches: 336 Material: FIBERGLASS Tank: Manifolder Vent: V/R:	Bottom to top fill in inches: 136.5 Bottom to grade fill in inches: Fill pipe length in inches: Fill pipe diameter in inches: 4.0 Stage I vapor recovery: DUAL Stage II vapor recovery: BALANCE
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COMMENTS

TANK TEST RESULTS

Test method:
 Psi at tank bottom:
 Fluid level in inches:
 UFT/OFT:
 Fluid volume in gallons:
 Water level in inches:
 Test time:
 Number of thermisters:
 Specific gravity:
 Water table depth in inches:
 Determined by (method):
 Leak rate in gph:
RESULT:

COMMENTS

LEAK DETECTOR RESULTS

	New/passed detector	Failed/replaced detector
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Test method: **FTA**
 Make: **RED JACKET**
 Model: **FX2**
 S/N: **0119950519**
 Open time in sec: **2.00**
 Holding psi: **20**
 Resiliency cc: **125**
 Test leak rate ml/min: **189.0**
 Metering psi: **10**
 Calib. leak in gph: **3.00**
RESULT: PASS

COMMENTS

ULLAGE TEST RESULTS

Test method:
 Test time:
 Ullage volume:
 Ullage pressure:
RESULT:

DATA FOR UTS-4T ONLY:

Time of test 1:
 Temperature:
 Flow rate (cfh):
 Time of test 2:
 Temperature:
 Flow rate (cfh):
 Time of test 3:
 Temperature:
 Flow rate (cfh):

COMMENTS

LINE TEST RESULTS

	A	B	C	D
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Material: **FIBERGLASS**
 Diameter (in): **2.0**
 Length (ft): **60.0**
 Test psi: **50**
 Bleedback cc: **75**
 Test time (min): **30**
 Test 1: start time: **22:10**
 finish psi: **49**
 vol change cc: **3**
 Test 2: start time: **22:21**
 finish psi: **49**
 vol change cc: **2**
 Test 3: start time: **22:32**
 finish psi: **50**
 vol change cc: **0**
 Final gph: **0.003**
RESULT: PASS

Test type: **PTK-88**
 Pump type: **PRESSURE** Pump make: **RED JACKET**

COMMENTS

INDIVIDUAL TANK/LINE/LEAK DETECTOR TEST REPORT
NDE ENVIRONMENTAL CORPORATION



TEST DATE: **February 12, 1996**
 CLIENT: **SHELL PRODUCTS COMPANY**

WORK ORDER NUMBER: **965385**
 SITE: **SHELL 204-0072-0502**

TANK INFORMATION			
Tank ID:	3	Bottom to top fill in inches:	139.0
Product:	UNLEADED	Bottom to grade fill in inches:	
Capacity in gallons:	9,543	Fill pipe length in inches:	
Diameter in inches:	92.00	Fill pipe diameter in inches:	4.0
Length in inches:	336	Stage I vapor recovery:	DUAL
Material:	FIBERGLASS	Stage II vapor recovery:	BALANCE
Tank:			
Manifolded Vent:			
V/R:			
COMMENTS			

TANK TEST RESULTS
Test method:
Psi at tank bottom:
Fluid level in inches:
UFT/OFT:
Fluid volume in gallons:
Water level in inches:
Test time:
Number of thermisters:
Specific gravity:
Water table depth in inches:
Determined by (method):
Leak rate in gph:
RESULT:
COMMENTS

LEAK DETECTOR RESULTS	
	New/passed detector
	Failed/replaced detector
Test method:	FTA
Make:	RED JACKET
Model:	FX2
S/N:	0206951379
Open time in sec:	2.00
Holding psi:	18
Resiliency cc:	120
Test leak rate ml/min:	189.0
Metering psi:	10
Calib. leak in gph:	3.00
RESULT:	PASS
COMMENTS	

ULLAGE TEST RESULTS
Test method:
Test time:
Ullage volume:
Ullage pressure:
RESULT:
DATA FOR UTS-4T ONLY:
Time of test 1:
Temperature:
Flow rate (cfh):
Time of test 2:
Temperature:
Flow rate (cfh):
Time of test 3:
Temperature:
Flow rate (cfh):
COMMENTS

LINE TEST RESULTS				
LINE	A	B	C	D
Material:	FIBERGLASS			
Diameter (in):	2.0			
Length (ft):	60.0			
Test psi:	50			
Bleedback cc:	80			
Test time (min):	30			
Test 1: start time:	22:11			
finish psi:	49			
vol change cc:	3			
Test 2: start time:	22:22			
finish psi:	50			
vol change cc:	0			
Test 3: start time:	22:33			
finish psi:	50			
vol change cc:	0			
Final gph:	0.002			
RESULT:	PASS			
Test type:	PTK-88			
Pump type:	PRESSURE	Pump make:	RED JACKET	
COMMENTS				

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TEST DATE: February 12, 1996
CLIENT: SHELL PRODUCTS COMPANY

WORK ORDER NUMBER: 965385
SITE: SHELL 204-0072-0502

COMMENTS

NOTE THIS STATION UTILIZES 2 MONITORING SYSTEMS, 1-AN RONAN X76ETM UNIT THAT MONITORS THE PRIMARY COMPARTMENTS OF THE 3 FUEL TANKS, 2-AN OWENS CORNING UNIT THAT MONITORS THE ANNULAR AREA OF THE WASTE OIL TANK, BOTH OF THESE UNITS ARE CERTIFIED OPERATIONAL.

PARTS REPLACED

QUANTITY	DESCRIPTION
3	GASKET-FILL ADAPTOR
1	CAP-OPW 634-TT

HELIUM PINPOINT TEST RESULTS (IF APPLICABLE)

ITEMS TESTED

HELIUM PINPOINT LEAK TEST RESULTS

SERVICE STATION MONITORING SYSTEM CERTIFICATION

STATION ADDRESS: **2160 OTIS DR**

CITY : **ALAMEDA, CA**

WIC#: **0072-0502**

Tank Material:	<input checked="" type="checkbox"/> Fiberglass	<input type="checkbox"/> Steel	<input type="checkbox"/> Fibersteel
Tank Type:	<input checked="" type="checkbox"/> Single Wall	<input type="checkbox"/> Double Wall	
Line Material:	<input checked="" type="checkbox"/> Fiberglass	<input type="checkbox"/> Steel	<input type="checkbox"/> Flex Line
Line Type:	<input checked="" type="checkbox"/> Single Wall	<input type="checkbox"/> Double Wall	<input type="checkbox"/> Trench Containment
Waste Oil Tank Type:	<input type="checkbox"/> Single Wall	<input checked="" type="checkbox"/> Double Wall	<input type="checkbox"/> Above Ground
Waste Oil Line Type:	<input checked="" type="checkbox"/> Single Wall	<input type="checkbox"/> Double Wall	<input type="checkbox"/> Direct Fill (No Product Lines)

TANK MONITORING SYSTEM - CERTIFIED:

QTY	TYPE	POSITIVE SHUT DOWN	FAIL SAFE	OPERATIONAL	MANUFACTURER MODEL NUMBER
0	Interstitial Monitor <input type="checkbox"/> Wet <input type="checkbox"/> Dry Annular				
3	Electronic Tank Level Monitor			Yes	RONAN X76ETM
0	Vadose Monitor				
0	Fill / Vapor Recovery Riser				

Comments:

WASTE OIL MONITORING SYSTEM - CERTIFIED:

QTY	TYPE	OPERATIONAL	MANUFACTURER MODEL NUMBER
1	Interstitial Monitor <input checked="" type="checkbox"/> Wet <input type="checkbox"/> Dry Annular	Yes	OWENS CORNING
0	Waste Oil Line Monitor <input type="checkbox"/> Wet <input type="checkbox"/> Dry Annular		
0	Fill / Vapor Recovery Riser		

Comments:

LINE MONITORING SYSTEM - CERTIFIED:

QTY	TYPE	POSITIVE SHUT DOWN	FAIL SAFE	OPERATIONAL	MANUFACTURER MODEL NUMBER
3	Mechanical Leak Detector			Yes	3-FX2
0	Electronic Line Pressure Monitor				
0	Electronic Line Pressure Monitor with Mechanical Leak Detector				
0	Electronic Tank Sump Monitor				
0	Electronic Line Trench Monitor				

I certify that the above information is accurate and functioning according to manufacturers specifications.

SIGNATURE:

COMPANY: **NDE Environmental Corp.**

PRINT NAME: **JEFF CONGER**

DATE: **02/12/96**