

# HUNTER

ENVIRONMENTAL SERVICES, INC.

5219 Militia Hill Road  
Plymouth Meeting, PA 19462  
215-941-9700  
Outside PA: 800-248-6837

# leak lokator

## TEST RESULTS

|                         |
|-------------------------|
| DATE OF TEST<br>3-21-90 |
| CONTRACT NUMBER         |

|                                  |                     |
|----------------------------------|---------------------|
| CUSTOMER<br>UNOCAL               |                     |
| LOCATION - IDENTIFICATION NUMBER | NAME                |
| ADDRESS<br>1300 DAVIS ST         | CITY<br>SAN LEANDRO |
|                                  | STATE<br>CA         |

| TEST RESULTS SUMMARY |         |           |           |              |                       |         |            | LEAK LOKATOR USE ONLY |             |      |
|----------------------|---------|-----------|-----------|--------------|-----------------------|---------|------------|-----------------------|-------------|------|
| SYSTEM               | PRODUCT | TANK SIZE |           | WATER INCHES | LEAK LOKATOR RESULTS* |         |            | RECOMMENDATIONS       | CONCL. CODE |      |
|                      |         | GALLONS   | DIA/MATL  |              | LEVEL INCHES          | ALR GPH | CONCLUSION |                       | TEST        | TANK |
| 1                    | 54" 4/L | 10,000    | 45" STEEL | 0            | 153                   | 1.031   | Tight      |                       |             |      |
| 2                    | 4/L     | 10,000    | 45" STEEL | 0            | 155                   | 1.016   | Tight      |                       |             |      |

OTHER INFORMATION  
CLEAN 2 SPILL BOX'S

### PRODUCT LINES - HYDROSTATIC PRESSURE TEST RESULTS

| NO. | SYSTEM PRODUCT | TYPE OF PUMP |         | # APPLIED | MINUTES APPLIED | PRODUCT LOSS CC'S | PRODUCT LOSS GPH | CONCLUSION/ RESULT |
|-----|----------------|--------------|---------|-----------|-----------------|-------------------|------------------|--------------------|
|     |                | REMOTE       | SUCTION |           |                 |                   |                  |                    |
| 1   | 54" 4/L        | R.J.         |         | 50        | 15              | 0                 | 0                | PASS               |
| 2   | 4/L            | R.J.         |         | 50        | 15              | 0                 | 0                | PASS               |

NOTE: On suction systems, NEVER put more than 15 psi on any pump system.

OTHER CONTRACTORS, OFFICIALS, CUSTOMER REPRESENTATIVES PRESENT

### DETAIL OF TEST RESULTS

| NO. | SYSTEM PRODUCT | TEST NO. | TEST LEVEL (INCHES) | TIME        |                   | LEAK RATE |        | TEMPERATURE COMPENSATION |        | ABSOLUTE LEAK RATE |       | CHECK TEST Y OR N |
|-----|----------------|----------|---------------------|-------------|-------------------|-----------|--------|--------------------------|--------|--------------------|-------|-------------------|
|     |                |          |                     | CLOCK START | DURATION HRS. MIN | CC/DIV    | CC/MIN | Δ ° F                    | CC/MIN | CC/MIN             | GPH   |                   |
| 1   | 54" 4/L        | 1        | 153                 | 3:10        | 0-30              | 1.424     | 15.306 | 1.031                    | 13.297 | 2.009              | 1.031 | N                 |
| 2   | 4/L            | 1        | 155                 | 2:10        | 0-30              | 1.515     | 7.575  | 1.021                    | 8.610  | 1.035              | 1.016 | N                 |

\* LEVEL - INCHES FROM TANK BOTTOM TO TEST LEVEL

ALR - ABSOLUTE LEAK RATE (MEASURED LEAK RATE - TEMPERATURE COMPENSATION) IN GALLONS PER HOUR

CONCLUSION - NFPA 329 CRITERION OF ±0.05 GPH IS USED TO CERTIFY TIGHTNESS

|                       |   |   |                       |
|-----------------------|---|---|-----------------------|
| CERTIFICATION         |   | This is to certify that the above described tank systems were tested, using the HUNTER ENVIRONMENTAL SERVICES, INC. LEAK LOKATOR according to all standard operating procedures. Those indicated as tight at full system meet the criterion established by the National Fire Protection Association Pamphlet 329 for Precision Testing. |                       |
| TESTS CONDUCTED BY    |   | CERTIFIED BY  |                       |
| TEST VAN NO.<br>LL 41 | TANK TESTING SPECIALIST<br>STEVE ANDERSON | SIGNATURE<br><i>Steve Anderson</i>  | DATE<br>3-21-90       |
|                       | TANK TESTING SPECIALIST                   | NAME<br>STEVE ANDERSON  | TITLE<br>TEAM MANAGER |

TANK AND LOCATION DATA

DATE: 3-21-76

CUSTOMER: UNOCAL

CITY: SAN LEANDRO

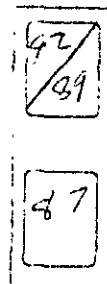
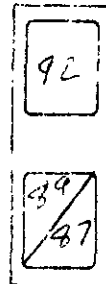
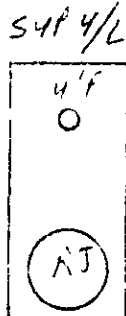
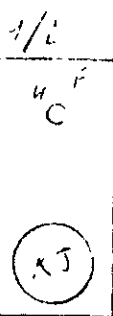
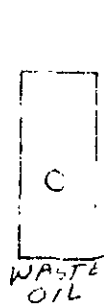
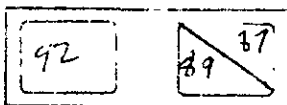
I.D. # \_\_\_\_\_

STATE: CA

| WEATHER       | TIME | TEMPERATURE | COMMENTS |
|---------------|------|-------------|----------|
| BEFORE TEST - |      |             |          |
| AFTER TEST -  |      |             |          |

SCHEMATIC: \_\_\_\_\_

DONNELAS ST



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Bays

office

| BEFORE DELIVERY | PRODUCT/TANK NO.    | SUP 4/L  |       | 4/L      |       |      |       |      |       |      |       |
|-----------------|---------------------|----------|-------|----------|-------|------|-------|------|-------|------|-------|
|                 | LEVEL               | Fill     | Gauge | Fill     | Gauge | Fill | Gauge | Fill | Gauge | Fill | Gauge |
|                 | GALLONS             | 10,000   | /     | 10,000   | /     |      |       |      |       |      |       |
|                 | WATER               | 0        | /     | 0        | /     |      |       |      |       |      |       |
|                 | TOP OF RISER        | 136      | /     | 133      | /     |      |       |      |       |      |       |
|                 | GRADE               | 139      | /     | 138      | /     |      |       |      |       |      |       |
|                 | DROP TUBE           | ALUM     |       | ALUM     |       |      |       |      |       |      |       |
|                 | CAPACITY, GALLONS   | 10,000   |       | 10,000   |       |      |       |      |       |      |       |
|                 | DIAMETER, INCHES    | 95       |       | 95       |       |      |       |      |       |      |       |
|                 | MATERIAL            | STEEL    |       | STEEL    |       |      |       |      |       |      |       |
|                 | PUMP TYPE           | R.J.     |       | R.J.     |       |      |       |      |       |      |       |
|                 | TYPE OF COVER       | CONCRETE |       | CONCRETE |       |      |       |      |       |      |       |
|                 | AGE OF TANK         | 4/K      |       | 4/K      |       |      |       |      |       |      |       |
|                 | SIPHON              | NO       |       | NO       |       |      |       |      |       |      |       |
|                 | TANK OPENINGS       | 1        |       | 1        |       |      |       |      |       |      |       |
|                 | EXTRACTORS          | NONE     |       | NONE     |       |      |       |      |       |      |       |
| VAPOR RECOVERY  | TYPE                | COAX     |       | COAX     |       |      |       |      |       |      |       |
|                 | VENT CONFIGURATION  | OPEN     |       | OPEN     |       |      |       |      |       |      |       |
|                 | P-V VENT VALVE TYPE | NONE     |       | NONE     |       |      |       |      |       |      |       |

REPLACEMENT PARTS: PART # DESCRIPTION QUANTITY PRICE

ADDITIONAL CHARGES: (pumpovers, overtime, etc.) 4 HOURS TRAVEL 5 HOURS ON SITE

\*Data obtained from  Station  LL Charts  Other \_\_\_\_\_

SAN FRANCISCO, CA Philadelphia, PA  
 (415) 372-3637 (215) 941-9700

DATE 3-21-90

BAY SITE # 2512

CONTACT: Tony Yap (415) 945-7676

LOCATION: UNOCAL SERVICE STATION CUSTOMER: UNOCAL R & M DIVISION  
 LL: 41 1300 Davis St 2175 N. California Blvd #650  
SA San Leandro, CA Walnut Creek, CA 94596

| SYSTEM#<br>PRODUCT | TANK SIZE |                | WATER<br>LEVEL<br>(IN.) | LEAK LOKATOR RESULTS* |                     |        | CONCLUSION<br>PASS/FAIL | COMMENTS |
|--------------------|-----------|----------------|-------------------------|-----------------------|---------------------|--------|-------------------------|----------|
|                    | GALLON    | DIAM.<br>(IN.) |                         | GRADE<br>(IN.)        | TEST<br>LEVEL (IN.) | GPH    |                         |          |
| SUP<br>U/L         | 10,000    | 95             | 0                       | 139                   | 153                 | + .031 | X                       |          |
| U/L                | 10,000    | 95             | 0                       | 138                   | 155                 | - .016 | X                       |          |
|                    |           |                |                         |                       |                     |        |                         |          |
|                    |           |                |                         |                       |                     |        |                         |          |

ADDITIONAL COMMENTS Clean spill boxes (2). Leak detectors (2) passed.  
Fill adaptor replaced. On too tight and broke when loosening.

\*GRADE - INCHES FROM BOTTOM OF TANK  
 TEST LEVEL - INCHES FROM BOTTOM OF TANK  
 GPH - ABSOLUTE LEAK RATE (MEASURED LEAK RATE - TEMPERATURE COMPENSATION) IN GALLONS PER HOUR  
 CONCLUSION IS BASED ON NFPA 320 STANDARD OF ±0.05 GPH

**ADDITIONAL SERVICES**

**PRODUCT LINES — HYDROSTATIC PRESSURE TEST RESULTS**

| SYSTEM     | TYPE OF PUMP   | #<br>APPLIED | MINUTES<br>APPLIED | PRODUCT<br>LOSS CC'S | PRODUCT<br>LOSS GPH | CONCLUSION  | COMMENTS |
|------------|--|--------------|--------------------|----------------------|---------------------|---|----------|
| SUP<br>U/L | Remote <input type="checkbox"/> Suction<br>Submersible <input checked="" type="checkbox"/> <input type="checkbox"/>  | 50           | 15                 | -----                | -----               | PASS FAIL<br><del>X</del> <input type="checkbox"/>                          |          |
| U/L        | Remote <input type="checkbox"/> Suction<br>Submersible <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> | 50           | 15                 | -----                | -----               | PASS FAIL<br><del>X</del> <input type="checkbox"/> <input type="checkbox"/> |          |
|            | Remote <input type="checkbox"/> Suction<br>Submersible <input type="checkbox"/> <input type="checkbox"/>   |              |                    |                      |                     | PASS FAIL<br><input type="checkbox"/> <input type="checkbox"/>              |          |
|            | Remote <input type="checkbox"/> Suction<br>Submersible <input type="checkbox"/> <input type="checkbox"/>   |              |                    |                      |                     | PASS FAIL<br><input type="checkbox"/> <input type="checkbox"/>              |          |

| QTY | PART # | DESCRIPTION         | PRICE EA. | QTY       | PART # | DESCRIPTION | PRICE EA. |
|-----|--------|---------------------|-----------|-----------|--------|-------------|-----------|
| 2   |        | leak detector tests |           |           |        |             |           |
| 1   |        | coax fill adaptor   | 44.00     | <i>nk</i> |        |             |           |
| 2   |        | clean spill boxes   |           |           |        |             |           |