

RED HILL TANK NO. 17
PRODUCT: JP5

| <u>DATE</u> | <u>REMARKS</u> |
|-------------|--|
| 7/17/51 | Cleaned tank. Labor Cost: \$1890.45. Material: \$470.60 |
| 12/19/59 | Painted blowers. Labor Cost: \$40. Material: \$65. |
| 8/60 | Started conversion of tank under contract No. NBY25540, Conversion of POL Facilities. Telemetry and high level alarm system installed. Converted tank to AVGAS storage. |
| 10/2/63 | Worked on 30 second timer circuit for fuel and water level telemetering. |
| 10/3/63 | Checked amplifier circuit trouble at fuel gauge. Gauge still inoperative; further checks to be made. |
| 10/4/63 | Continued repairs on fuel gauge. |
| 10/7/63 | Removed and corrected twisted R.F. cable on water gauge. |
| 10/23/63 | Fabricated valve platform. Installed on 11/15/64. |
| 11/15/63 | Disconnected and removed amplifier from fuel gauge. Sent unit to PHNSYD for repairs. |
| 10/3/66 | Installed 100' of 1/2" copper tubing for air line (32 hours). |
| 8/16/67 | Started repairing worn motor valve gear box. |
| 8/28/67 | Coated insulating varnish on R.F. cable for fuel gauge. |
| 8/29/67 | Removed and rewired data processor units for fuel and water telemetering. Reinstalled and tested readings. |
| 9/12/67 | Soap-tested and tightened all fittings on tank vent system. Cylinder pressure down to 400 psi. |
| 9/19/67 | Installed motor drive unit to motor valve. |
| 9/20/67 | Completed electrical hookup on motor valve and set limit switch. |
| 9/26/67 | Removed existing R.F. cable from fuel gauge and tuned amplifier output. Fuel probe was set at 221.960 ft. Tuned amplifier water gauge to indicate probe travel to water level. |
| 9/27/67 | Connected data processor for water gauge. |
| 11/9/67 | PM on fuel and water gauges. Returned gauge amplifier signal and refinished rotary contacts on digitizer units |

RECEIVED
JAN 11 1968
U.S. AIR FORCE
HILL AIRFIELD
HILL, TEXAS

RED HILL TANK NO. 17
PRODUCT: JP5

| <u>DATE</u> | <u>REMARKS</u> |
|--------------|---|
| | in gauges. Checked gauges' operation and telemetering readouts. |
| 11/20/67 | Gear slipping. Fuel gauge digitizer unit slipping on shaft. Removed digitizer unit from gauge and repaired. |
| 2/7/69 | Composition of deposits taken from railing inside tank. Description: Light brown particles from 1/16 inch to approximate unit micron in size. Composition: combustibles 50.8%w iron oxides 39.2%w acid insolubles (compounds of silica) 4.0%w loss and other components 6.0%w (lead present in trace amount) |
| 1/20-2/12/69 | Cleaned tank. Converted from storage of AVGAS to JP5 fuel. Installed safety gate for elevator in tank. Tested elevator. Installed 3/4" telltale pipe inside of tank and outside of tank in Zone #6. Repaired tank fuel and water gauges (348 hours). Labor Cost: \$1,392. Material: \$70. Abandoned collector ring outlet within 16" pipe. Made new connection for collector ring to 4" steam line inside tank and in lower tunnel. (See pictures.) |
| 6/25/69 | Leak reported by gauger at Red Hill. Telltale #6 leaking at the rate of one gallon per 1-1/2 minutes. Started transferring JP5 from tank to surface tank 55 at 1635. Transferred approximately 20' into Tank 55. |
| 6/27/69 | Continued transferring JP5 from tank into Tank #38 via YON-274. Transferred balance of JP5 into Tank 19. |
| 7/10/69 | Tank is empty. |
| 8/1/69 | Cleaned tank. Hosed down catwalk, sides and bottom of tank (7/17/69-8/12/69). Removed 8" drain line valve, washed out all sludge from inside of drain line. Repaired and tested 8" standard valve from tank drain line. Valve was tested at 200 psi; valve okay, but not used for tank. Installed new 8" standard valve on drain line. Tested telltale pipelines in tank. Telltale #5 and #6 leaking in 16" drain line. Telltale #8 leaking on 4" coupling inside of tank. Repaired and painted telltale pipes (7/17/69-8/8/69. 234 hours at \$4.49). Labor Cost: \$1,050.66. Material: \$406.10. |
| 8/12/69 | Reinstalled manhole cover. |

RED HILL TANK NO. 17
PRODUCT: JP5

| <u>DATE</u> | <u>REMARKS</u> |
|---------------|---|
| 9/10/69 | Installed 3/4" valve on hamer blind. Labor Cost: \$36. Material: \$95.88 |
| 9/24-12/16/69 | Repaired leak on telltale #7. Cleaned tank. Removed eight 1/2" telltale pipes from inside of drain line and installed manifold. Fabricated manifold from 1-1/2" pipe. Repaired and calibrated Gilbarco amplifier for fuel gauge (512 man hours). Labor Cost: \$2,048. Material: \$24.20 |
| 9/22/72 | Tested and removed defective temperature element. Removed and repaired amplifier unit from water gauge. |
| 3/20/74 | Emptied tank. |
| 3/25/74 | Cleaned tank. Labor Cost: \$840. |
| 4/15/74 | Representatives from the Navy Research Lab and NAVFAC inspected the tank coating. Their final recommendation will be forwarded in June 1974. |
| 4/24/74 | Buttoned up tank. |
| 1/20/75 | Telltale #8 started leaking at 237'. |
| 2/10/78 | Manhole cover removed. |
| 3/78 | Buttoned up tank. |
| 3/8/78 | Removed 8" valve on drain line. |
| 3/20/78 | Cleaned bottom of tank. |
| 3/20/78 | Replaced 8" valve on drain line. |
| 3/21/78 | Replaced manhole cover. |
| 5/24/79 | All sampling taps leaking--wired closed. |