

RED HILL TANK NO. 17  
PRODUCT: JP5DATE      REMARKS

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. Telemetering 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

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

4.0%w

of silica)

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 o  
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.

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

<https://mail-attachment.googleusercontent.com/attachment/?ui=2&ik=a6050a745f&view=...> 1/19/2014

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.

RED HILL TANK NO.

18 PRODUCT: JP5

<u>DATE</u>	<u>REMARKS</u>
-------------	----------------

12/10/50	Cleaned tank. Labor Cost: \$1595.30. Material: \$475.15
----------	---

12/59	Painted blower. Labor Cost: \$40. Material: \$36
-------	--

8/60	Started conversion of tank under contract No. NBY25540 "Conversion of POL Facilities". Telemetering and high level alarm system installed. Converted tank to AVGAS storage.
------	--

6/63	Buckled plates. Opened tank for inspection. Found plates buckled on one side and about 20 ft. above catwalk. Constructed a raft and causeway 50' long.
------	--

10/2/63	Worked on 30 second timer circuit for fuel and water level telemetering on tank.
---------	---

10/4/63	Increased weight of R.F. cable counterweight and reinstalled in tank's water gauge.
---------	--

10/9/63	Removed and cleaned probe on tank's fuel gauge. Replaced pulley shaft on both fuel and water gauges. Tuned gauges to proper voltage settings.
---------	---

10/14/63	Calibrated water gauge on tank. Set level at .008 ft.
----------	---

10/18/63	Sanded rotary contacts on digitizer in tank's fuel gauge. (Gauge was blacking out periodically.)
----------	---

10/22/63	Fabricated valve platform for tank. Installed 11/15/63.
----------	---

11/12/63	Balanced counterweight on tank's fuel gauge. Gauge read
----------	---

<https://mail-attachment.googleusercontent.com/attachment/?ui=2&ik=a6050a745f&view=...> 1/19/2014

incorrectly at Receiving Pumphouse due to movement of liquid level probe whenever a telemetering call was made. Adjusted tension on starter bar in digitizer unit to increase friction on tape movement.

6/6/67 Emptied and cleaned for conversion. Telemeter system installed. Converted to AVGAS.

8/29/67 Removed and rewired data processor units for tank's fuel and water telemetering. Reinstalled and tested readings.

11/9/67 PM on fuel and water gauges. Returned gauge amplifier signal and refinished rotary contacts on digitizer units in gauges. Checked gauge operation and telemetering readouts.

12/4/67 Worked on tank. Fuel gauge not corresponding with fuel level. Supervisory console locking in tank gauge, de-energizing relay. Checked circuits in Pearl City

supervisory console. Replaced two electron tubes 50LC on transmitter unit and calibrated line signal to Pearl City system gauge. Okay.

12/12/67 Repacked valves on tank.

2/14/68 Replaced leaky solenoid with new solenoid on tank's vent system. Checked for leaks and tested vent closure (4 hours).

2/27/68 Repaired tank's water telemetering (blacked out).

3/10-17/69 Cleaned tank. Converted from AVGAS to JP5 storage.

<https://mail-attachment.googleusercontent.com/attachment/?ui=2&ik=a6050a745f&view=...> 1/19/2014

Removed and cleaned bonnets from 8" drain line valves.  
Also cleaned area below valve. Repaired fuel and water  
gauges (195 hours). Labor Cost: \$780.

9/10/69 Installed 3/4" valve on hamer blind. Labor Cost: \$36.

Material: \$95.88.

9/75 Replaced 1" gate valve on drain line.