

**BONNY OIL AND GAS TERMINAL**

**Job title: Dislodging, Cleaning & inspection of surge Tank T-1401**

**Date: 23th December 2015**

**Equipment’s & Materials**

* Disposal Coverall:
* Fuel for Mobile compressor:
* Hydrant hoses & nozzles
* Surface pumps
* SCBA
* Fast tank and liners
* Vacuum truck
* Temporary shelter
* Chairs and table
* Manila ropes

**Pre-work Activities**

1. The following pre-work activities was carried out before tank entry and commencement of the de-slugging

* 48hrs performance test for the produce water system was carried out whilst bypassing the surge tank (T-1401). The running feed pumps P-1401 due to low suction pressure which was mitigated by injecting hydrant water at the outlet of the tank.
* Initial degassing of T-1401 by raising tank level and closing the blanket gas supply
* Isolation of inlet and out lines and blanket gas supply
* Draining of the T-1401 of the water and oil content
* Opening of the two manholes, clea out hole and roof hatch
* Installation of a blower and an extractor on the manholes

**ISOLATION INITIATED**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| S/N | ISO. CERT. NO. | PTW NO | DATE | ACTIVITY DESCRIPTION | EQUIPMENT TAG NO. | LOCATION | END SHIFT ST**ATUS** |
| 1 | 2963 | 7594 | 23/12/2015 | To carry out isolation, draining and venting of T-1401 at unit-14 | T-1401 | UNIT-14 | ISOLATED |

**PTW INITIATED**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S/N | PTW NO | DATE | ACTIVITY DECRIPTION | LO CATION | Hot(H)/Cold © Work/ Excavation etc | End-Shift status Active(A) Closed (C) |
| 1 | 153363 | 23/12/2015 | Internal cleaning/dislodging of T-1401 using surface pump/evacuation of bagged sand to TDU using self-loader truck | T-1401 | HOT | ACTIVE |

**The Team**

* FLM – 8persons
* Drains – 6 persons:
* Zero 3A – 1person Blessing J (DFA on site)
* AHSS – Dominic E
* Supervisors – Idowu/Owor/Jones
* Permit holder – Kabel L
* Utilities – 1person: Mobile compressor operations and fuelling
* Auxiliary Fire Fighter –4 persons: Downing of BA and vessel entry for cleaning
* Fire team 2person for emergency response

**Highlight and activities description**

* Carried out installation of air blower on man hole No-1 after replacement of defective bearing, Air blower was test run and it available and operational
* Dislodging of surge tank T-1401 using water jet is in progress
* Carried out pumping of slurry oily water from fast at clean out door of T-1401 to Pit-E

**Planned & look ahead activities**

* To continue with the dislodging activity of surge tank T-1401
* To carry visual inspection on air hoses from compressor to air blower and extractor fan
* Installation of V-branch hose connector
* Installation of weep check on extractor fan at man-hole No-2
* To top up diesel in the mobile air compressor