

Texas Pumpdown & Torque Solutions, LLC	Owner/Facilitator: Justin Buckner Date: July 25, 2019
Lockout Tagout Procedure for Pump Maintenance	
Objective of this documentation: Standard Operating Procedure (SOP) for site/ shop specific pump maintenance on the 1800 hp pumps to ensure all equipment is deenergized prior to the startup of task and or repairs on tractor trailer combination by competent personnel.	



1. Identify the types of energy sources used, potential hazards, and all control devices.
2. Notify all effected personnel.
3. Turn OFF all operating controls.
4. Locate all energy sources.
5. Isolate all energy sources by blocking, bleeding, and venting stored energy as found in electrical systems, hydraulic systems, and pneumatic systems.
6. **Performed by Lead Personnel ONLY** - LOCKOUT all switches and energy controls in the "OFF" or "SAFE" position.
7. LOCKOUT POINTS: Disconnect hydraulic hose and or hoses (supply from the tractor PTO), lockout main circuit switch (weatherproof red dial switch), place the computer main switch in the off position and lockout the computer panel door, and bleed off fluid end pressure and disconnect 1502 iron from the pump unit.
8. Lead maintenance personnel will document pump unit "Out of Service" now and is also required that all effected personnel visually verify all energy sources of the equipment is locked out.
9. Test all LOCK OUT points to ensure energy isolation and all equipment is deenergized and depressurized.
10. Perform required task.
11. **Performed by Lead Personnel ONLY** - Remove lockout devices only after the equipment is fully assembled and all effected personnel have been notified. Each lockout device MUST be removed by the person who put it on. Now the lead maintenance personnel will document the equipment "Back in Service".



ALL maintenance performed by component personnel ONLY (Shop and On Site)

1. Disconnect hydraulic hoses that supply energy from the tractor to the engine
2. Turn the main circuit switch into the off position – Lockout switch.
3. Turn the computer board off and place all switches in the off position, obtain verification by all effected personnel, then close and Lockout panel door.
4. Try all systems prior to performing work to ensure isolation of ALL energy.
5. LOTO Document shall be filled out now by all effected personnel.



Please Note: If maintenance is being performed on site, in addition to three (3) Lockout Points above, all valves up stream must be in the closed position, and all pressurized iron and or hoses MUST be bled off and disconnected from the fluid end of the unit.



LOCKOUT TAGOUT LOG

Pump Unit #: _____

Date:		Customer/Operation:
Out Time:	In Time:	
Name of all personnel working on maintenance: _____ _____ _____		Location/Shop: Job Description: _____ _____ _____ _____ _____ _____ _____ _____ _____ _____

Things to ask yourself before you start the task:

Has a JSA been completed prior to performing the task? YES or NO (Circle One)

Has maintenance been communicated with all effected personnel? YES or NO (Circle One)

Have all affected personnel verified isolation? YES or NO (Circle One)

Has all Lockout Points been tested and tried prior to maintenance? YES or NO (Circle One)

Times "OUT & IN" Service Times: OUT: _____ IN: _____

Additional Comments:
