

Texas Pumpdown & Torque Solutions	Owner/Facilitator: Justin Buckner
Lockout Tagout Procedure for Pump Maintenance	Date: 7/5/2019
Objective of this documentation: Standard Operating Procedure (SOP) for site/ shop specific pump maintenance on the 2500 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. Lock Out Points:
 - Place hasp and locks on the battery disconnect inside/outside the tractor while in the OFF position.





- Place hasp and locks on one or both battery disconnect or main circuit switch while in the OFF position.





- Bleed off all fluid end pressure and disconnect 1502 iron from pump unit.
8. Lead maintenance operator collects all keys and puts them inside a LOTO box. LMO locks the box and keeps the key on himself until all maintenance has been completed, and equipment is ready to be turned back on.
 9. Lead maintenance operator will test all lock out points to ensure energy sources and all equipment are de-energized and depressurized. Lead maintenance personnel will document pump unit/tractor "Out of Service" on LOTO form.
 10. Report LOTO documentation to company representative on duty, so they may verify LOTO is safe to proceed with and to sign off on.
 11. Perform required task.
 12. **Performed by Lead Personnel ONLY** - Remove lockout devices only after the equipment is fully assembled and all affected 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".

LOCKOUT TAGOUT LOG

Pump Unit #: _____

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

