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| --- |
| **Location:** |
| **Date:** | **Prepared By:** |
| **DESCRIBE WORK TO BE DONE:** |
| **FIRE AND EXPLOSION HAZARDS (Are there components for a fire or explosion?)** |
| **Fuel / Hydrocarbon Sources:** |
| Gases | Liquids / Vapors | Chemicals & Lubricants | Solids |
| [ ]  Natural Gas | [ ]  Crude Oil / Condensate | [ ]  Solvents and cleaning agents | [ ]  Wax[ ]  Lubricants |
| [ ]  Hydrogen Sulphide | [ ]  NGL liquids | [ ]  Hydraulic fluids & lubricants | [ ]  Sealants |
| [ ]  LPG Gases (Including propane and butane) | [ ]  Hydrocarbon based drilling or frac fluids | [ ]  Chemicals used for well servicing and stimulations | [ ]  Packings, “O’ rings, diaphrams and valve seats |
| [ ] Other gases such as hydrogen or acetylene | [ ] Gasoline, Diesel & other fuels |  | [ ]  Paints and Coatings |
|  | [ ]  Methanol |  |  |
| **Energy / Ignition Sources:** |
| [ ]  Hot Work | [ ]  Vehicles (exhaust piping, diesel engines) | [ ]  Open Flames (i.e. flare stacks, burners, torches) | [ ]  Electric Arcs and Sparks (i.e. non explosion proof equipment) |
| [ ]  Static Electricity | [ ]  Hot Surfaces | [ ]  Friction and Mechanical Sparks | [ ]  Chemical Reactions and Sparks (i.e. fuel – oxidizer reactions) |
| [ ]  Spontaneous Combustion | [ ]  Sudden Decompression | [ ]  Pressure / Compression Ignition (Dieseling) | [ ]  Pyrophors (such as iron sulphide from corrosion) |
| [ ]  Smoking | [ ]  Cell phones, pagers, radios  | [ ]  Hypergolic reactions (e.g. frac chemicals) | [ ]  Other:  |
| **Air / Oxygen Sources:** |
| Planned Introduction of Air |
| [ ]  Air-based operations | [ ]  Air Purging |  |  |
| Unplanned Introduction of Air |  |
| [ ]  Underbalanced operations[ ]  Overbalanced | [ ]  Swabbing & other operations that create a vacuum | [ ]  Pockets of air created during the installation and servicing of equipment | [ ]  Oxidized (Weathered) Hydrocarbons |
| [ ]  Oxidizers | [ ]  Chemical Reactions | [ ]  On-Site Generated Nitrogen | [ ]  Tank Drawdown |
| **REQUIRED CONTROLS (What are you doing to prevent components from combining?)** |
| **EMERGENCY CONTROLS (How will you respond if the conditions change?)** |
| **WORKERS TRAINED AND INFORMED** | Complete |
| Workers have been made aware of and can recognize potential fire and explosion hazards and controls related to the planned activities. | [ ]  |
| Affected workers have been made aware of this fire and explosion prevention plan. | [ ]  |
| Wellsite Supervisor      | Signature      |