

Please note the following changes to our use of temporary surface poly pipelines for the Cow Skull 11-89-18 #1 Project.

Prior to operation, temporary surface poly pipelines will be air and hydro tested for integrity. When in operation, any pump stations will be manned continuously to ensure immediate response to pressure changes or pump issues. Qualified personnel, interconnected via 2-way radio, manning each booster pump will carefully synchronize pump turn-on and shut-down according to written and practiced procedure. The entire line will be monitored, where feasible, during pumping and flowback operations.

For stream or intermittent stream crossings, operator will ensure appropriate containment by installing over-sized pipe "sleeves" which extend the length of the crossing and beyond to a distance deemed adequate to capture and/or divert any possible release of fluids and prevent infusion into the stream water.

SG and their contractors will design their infrastructure and utilize pipeline materials to exceed required pressures and flow rates by a minimum of 30%. The DR 9 poly pipeline used in this project is rated to support pressure surges up to 500 psi, continual surges of 375 psi, and a maximum operating pressure of 250 psi. Pumps used in this project will operate at pressures 20-30 psi below the maximum operating pressure of the poly pipelines at all times.