

8,900' - 10,300': Displace existing fluid with 10.2 #/gallon brine water. Use HYSEAL for seepage loss of fluid. To increase fluid weight to 10.4-10.5 #/gallon, use Soda Ash. Increase weight above 10.2 #/gallon only when hole conditions dictate. No fluid loss control necessary to drill this section unless for DST, then lower to 10-15 cc with DEXTRID/DRISPAC.

10,300' - 11,000': To the existing fluid, lower the fluid loss to 10 cc with DEXTRID/DRISPAC and increase the viscosity when needed with FLOSAL (32-34 Sec/1000 cc). Use Soda Ash to reduce the hardness to 400 PPM or less. Use HYSEAL and MICATEX for seepage loss of fluid.

11,000' - 12,000': Prior to drilling into the Morrow formation (11,100' to 11,200'), to the existing mud add 3% KCL and lower the fluid loss below 5 cc with DEXTRID/DRISPAC. This should help give formation protection to the Morrow formation.

Special Surface Equipment Recommended: Install prior to 8,900', Mud and Gas Flowline Separator, Drilling Head, Degasser and Adjustable Choke.

Estimated cost for this program without severe loss of circulation or gas pressures requiring greater than 10.3 #/gallon fluid to control, is \$14,000-15,000.