

2,600' - 8,900': Drill out of intermediate casing with fresh water, circulate the reserve pit. If necessary to hold influx of fluid from the Delaware from 3,300-3,450', increase fluid weight with brine water to 9.3 to 9.4 #/gallon. Use HYSEAL for seepage loss of fluid. Use C2215, amine corrosion inhibitor, for drill pipe and casing protection. Use BENEX to flocculate solids.

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.