

GIFFORD, MITCHELL & WISENBAKER

SUITE 1280, MIDLAND NATIONAL BANK TOWER

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PROPOSED BLOWOUT PREVENTER PROGRAM FOR WHITE EAGLE WELL #1

1. For drilling surface hole, a double BOP with one set of blind rams will be used.
2. After 20" casing is set, a 20" double BOP will be used until 13-3/8" casing is set.
3. After 13-3/8" casing is set, a 13-3/8" x 5000# braden-head will be installed and the BOP system will be: a single BOP and a double BOP (1 blind rams & 2 pipe rams) plus a 13-3/8" Hydrill and a rotating head.
4. When 9-5/8" casing is set, it will be hung in the 13-3/8" x 5000# bradenhead with an 11" x 10,000# tubing spool. For drilling below the 9-5/8" casing, an 11" x 10,000# BOP system will be used (2 sets of pipe rams & one set of blind rams) plus a Hydrill and a rotating head.

Note: When the 13-3/8" casing has been set, a 4-1/16" x 10,000# working pressure hydraulically controlled choke manifold and a mud separator will be set up and connected to each set of blow-out preventers as the drilling of the well progresses.

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