KANSAS CORPORATION COMMISSION ONE POINT STABLIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2 (Rev.8/98)

(Rev.8/98) TYPE TEST: Open Flow □ Deliverability TEST DATE: 12/13/10 API No. 15-033-21127 - (Thoroughbred Associates **BUTLER** County Location Section TWP RNG (E/W) Acres Attributed COMANCHE E/2-SW-SW SEC. 31-T31S-R19W 160 Field Reservoir Gas Gathering Connection 160 MISSISSIPPI Completion Date Plug Back Total Depth Packer Set at 12/18/03 5260 NONE Casing Size Weight Internal Diameter Set at Perforations Tο 5.500 15.500 4.950 5300 5230 5236 Tubing Size Weight Internal Diameter Set at Perforations 2.375 4.700 1.950 5230 Type Completion (Describe) Type Fluid Production Pump Unit or Traveling Plunger? TUBING Producing Thru(Annulus/Tubing) % Carbon Dioxide % Nitrogen Gas Gravity- Gg TUBING .015 1.706 .608 Vertical Depth (H) Pressure Taps Mater Run Size 5230 FLANGE 3 Pressure Buildup: Shut in 12/10/10 4:30 PM TAKEN Well on Line: Started 12/13/10 TAKEN 2:40 PM **OBSERVED SURFACE DATA** Casing WellHead Press. Tubing WellHead Press. Static/ Orifice Meter Pressure Flowing WellHead Liquid (P_w) (P_t) (P_c) $(P_{\mathbf{x}})$ $(P_{\mathbf{t}})$ $(F_{\mathbf{c}})$ Dynamic Size Pressure Diff. Temo. Temp. Duration Prod. In. H 20 Property in. psig (Hours) Barrels psig psia psig psia Shut-in 90 104 70.0 Flow 500 45.0 3.20 60 60 50 64 FLOW STREAM ATTRIBUTES COEFFICIENT (METER) EXTENSION GRAVITY FLOWING TEMP DEVIATION RATE OF FLOW (F_b) PRESSURE FACTOR FACTOR FACTOR Pm x H Mcfd psia Mcfd 1.214 59.4 13.79 1.2825 1.0000 1.0047 21 .608 (OPEN FLOW)(DELIVERABILITY) CALCULATIONS $(Pa)^2 = 0.207$ $(Pd)^2 = 2.50$ 47.9 (Pc - 14.4) + 14.4 =Backpressure Open Flow Curve Slope"n' Deliverability = R x Antilog Assigned n x LOG Antilog Mcfd Standard Slope 10.69 6.75 1.584 .1996 .948 .1892 1.546 33 8.40 6.75 1.244 .0948 948 .0899 1.230 26 OPEN FLOW 33 Mcfd 8 14.65 psia DELIVERABILITY 26 Mcfd 8 14.65 psia The undersigned authority, on behaf of the Company, states that he is duly authorized to make the above report and the knowledge of the facts stated herein and that said report is true and correct. Executed this the RECEIVED Witness (if any)

KCC WICHITA

JAN 03 2011

Checked by

For Commission