KANSAS CORPORATION COMMISSION ONE POINT STABLIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2 (Rev.8/98)

TYPE TEST: Open Flow Deliverability 8/14/11 TEST DATE: API No. 15-033-21,051,00-00 Lease Well Number Thoroughbred Associates KACI County Location Section TWP RNG (E/W) Acres Attributed COMANCHE 90 32 19W 160 Field Reservoir Gas Gathering Connection MISSISSIPPI Completion Date Plug Back Total Depth Packer Set at 5330 Casing Size Weight Internal Diameter Set at Perforations To 5.500 15.500 4.950 5330 5230 5236 Tubing Size Weight Internal Diameter Set at Perforations 2.375 4.700 1.950 5100 Type Completion (Describe) Type Fluid Production Pump Unit or Traveling Plunger? Producing Thru(Annulus/Tubing) * Carbon Dioxide * Nitrogen Gas Gravity- Gg TUBING .253 1.220 .624 Vertical Depth (H) Pressure Taps Meter Run Size 5230 FLANGE Pressure Buildup: Shut in 8/11/11 TAKEN 9:04 AM Well on Line: Started 8/14/11 TAKEN 10:40 AM OBSERVED SURFACE DATA Casing WellHead Press. Statio/ Tubing WellHead Press. Orifice Meter Pressure Flowing WellHead Liquid Dynamic Size (P_w) (P_t) (P_c) $(P_{\mathbf{t}})$ $(P_{\mathbf{t}})$ $(F_{\mathbf{c}})$ Pressure Diff. Temp. Temp. Duration Prod. Property in. In. H 20 psiq (Hours) Barrels t. psig psia psig Shut-in 205 219 73.5 .500 45.0 Flow 1.00 60 60 50 64 24.0 FLOW STREAM ATTRIBUTES COEFFICIENT (METER) **EXT**ENSION GRAVITY PLOWING TRAP DEVIATION RATE OF FLOR (F_b) PRESSIRE FACTOR FACTOR FACTOR Pm x H, G m GOR Mcfd psia Fg Ft Mcfd Σpv 1.214 59.4 771 1.2659 1.0000 1.0050 11 624 (OPEN FLOW)(DELIVERABILITY) CALCULATIONS $(Pa)^2 = 0.207$ $(Pw)^2 =$ 48.1 Pd = 22.8 $(Pd)^2 = 2.50$ (Pc - 14.4) + 14.4 =Backpressure Open Flow Curve Slope'n' Deliverability Assigned R x Antilog n x LOG Antilog Mcfd Standard Slope 47.93 43.99 1.090 .0373 .850 .0317 1.076 12 45.64 43.99 1.037 0160 .850 0136 1.032 OPEN FLOW 12 Mcfd 8 14.65 psia DELIVERABILITY 12 Mcfd 0 14.65 psia The undersigned authority, on behaf of the Company, states that he is duly a stated herein and that said report is true and correct. Executed this the

Witness (if any)

For Commission

KCC WICHITA

Checked by

RECEIVED

APR 0.5 2012