## KANSAS CORPORATION COMMISSION

FORM G-2 (Rev. 8/98)

Checked by

ONE POINT STABLIZED OPEN FLOW OR DELIVERABILITY TEST TYPE TEST: Open Flow Deliverability TEST DATE: 9/14/12 APT No 15-033-21,205-00-00 Leage Well Number Thoroughbred Associates Bernice HERD County Location Section TWP RNG(E/育) Acres Attributed COMANCHE 120'E C SW SE SEC 15-T32S-19W 160 Field Reservoir horoughbred & Associate CEIVE Gas Gathering Connection MISSISSIPI/ALTA Completion Date Plug Back Total Depth OCT 3 1 2012 CC-WICHITY Casing Size Weight Internal Diameter Set at Perforations ቸል 5.500 15.500 4.950 5280 4968 5194 Tubing Size Weight Internal Diameter Set at Perforations 2.375 4.700 1.995 5200 Type Completion (Describe) Type Fluid Production Pump Unit or Traveling Plunger? Comminded (Gas) No-Flowing Producing Thru (Annulus/Tubing) % Carbon Dioxide % Nitrogen Gas Gravity- Gg TUBING .121 1.063 .598 Vertical Depth (H) Pressure Taps Meter Run Size 4968 **FLANGE** :3 Pressure Buildup: Shut in 9/11/12 TAKEN 11:00 AM Well on Line: Started 9/14/12 TAKEN 9:15 AM **OBSERVED SURFACE DATA** Static/ Orifice Casing WellHead Press. Meter Pressure Flowing WellHead Tubing WellHead Press Dynamic Size Liquid  $(P_w) \langle P_t \rangle \langle P_c \rangle$ Pressure Diff. Temp. Тепр.  $(P_w)(P_t)(F_c)$ Property Duration in. psiq In. H 20 Prod. t. ŧ. psiq psia (Hours) Barrels psig psia Shut-in 185 199 70.3 Flow .750 45.0 1.00 60 60 50 64 24.0 FLOW STREAM ATTRIBUTES COEFFICIENT (METER) EXTENSION GRAVITY FLOWING TEMP DEVIATION RATE OF FLOW (F<sub>b</sub>) PRESSURE FACTOR FACTOR Pm x Hw FACTOR Mcfd GOR G w psia Fα Fpv Mcfd 2.740 59.4 7.71 1.2932 1.0000 1.0047 27 .598 (OPEN FLOW)(DELIVERABILITY) CALCULATIONS  $(Pa)^2 = 0.207$  $(Pc)^2 =$ 39.8  $(Pw)^2 =$ 4.1 Pd = 25.1 (Pc - 14.4) + 14.4 = $(Pd)^2 = 2.50$ Backpressure Open Flow Curve Slope"n" Deliverability ---- or --Assigned = R x Antilog n x LOG Antilog Mcfd Standard Slope 39.55 35.61 1.111 0456 .599 .0273 1.065 29 37.26 35.61 1.046 0196 .599 .0118 1.027 28 OPEN FLOW Mcfd @ 14.65 psia DELIVERABILITY 28 Mcfd @ 14.65 psia The undersigned authority, on behaf of the Company, states that he is duly authorited to make the above report and that he has knowledge of the facts and that said smooth is true and correct. Eventual this the stated herein and that said report is true and correct. Executed this the Ltober

Witness (if any)

For Commission