

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
(Rev. 8/98)

TYPE TEST:

- Open Flow
 Deliverability

TEST DATE: 8/14/11

API No. 15-033-21127-00-00

| | | | | | | |
|---|--------------------------|-------------------------------|----------------|---------------------------------|-------------------------|-------------------------|
| Company Thoroughbred Associates | | Lease BUTLER | | | Well Number 1 | |
| County COMANCHE | Location E/2-SW-SW | Section SEC. 31-T31S-R19W | TWP R19W | RNG(E/W) | Acres Attributed 160 | |
| Field 160 | Reservoir MISSISSIPPI | | | Gas Gathering Connection | | |
| Completion Date 12/18/03 | | Plug Back Total Depth 5260 | | Packer Set at NONE | | |
| Casing Size 5.500 | Weight 15.500 | Internal Diameter 4.950 | Set at 5300 | Perforations 5230 | To 5236 | |
| Tubing Size 2.375 | Weight 4.700 | Internal Diameter 1.950 | Set at 5230 | Perforations | To | |
| Type Completion (Describe) TUBING | | Type Fluid Production | | Pump Unit or Traveling Plunger? | | |
| Producing Thru (Annulus/Tubing) TUBING | | % Carbon Dioxide .015 | | % Nitrogen 1.706 | | Gas Gravity- Gg .608 |
| Vertical Depth (ft) 5230 | | Pressure Taps FLANGE | | Meter Run Size 3 | | |
| Pressure Buildup: Shut in 8/11/11 | | TAKEN 4:30 PM | | | | |
| Well on Line: Started 8/14/11 | | TAKEN 2:40 PM | | | | |

OBSERVED SURFACE DATA

| Static/ Dynamic Property | Orifice Size in. | Meter Pressure psig | Pressure Diff. In. H ₂ O | Flowing Temp. t. | WellHead Temp. t. | Casing WellHead Press. (P _w) (P _t) (P _c) | | Tubing WellHead Press. (P _w) (P _t) (P _c) | | Duration (Hours) | Liquid Prod. Barrels |
|--------------------------------|------------------------|---------------------------|---|------------------------|-------------------------|---|------|---|------|---------------------|----------------------------|
| | | | | | | psig | psia | psig | psia | | |
| Shut-in | | | | | | 70 | 84 | | | 70.0 | |
| Flow | .500 | 45.0 | 1.00 | 60 | 60 | 50 | 64 | | | | |

FLOW STREAM ATTRIBUTES

| COEFFICIENT (F _b) Mcf/d | (METER) PRESSURE psia | EXTENSION $\sqrt{P_m \times H_w}$ | GRAVITY FACTOR Fg | FLOWING TEMP FACTOR Ft | DEVIATION FACTOR Fpv | RATE OF FLOW R Mcf/d | GOR | G _m |
|---|-----------------------------|--------------------------------------|-------------------------|------------------------------|----------------------------|----------------------------|-----|----------------|
| 1.214 | 59.4 | 7.71 | 1.2825 | 1.0000 | 1.0047 | 12 | | .608 |

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

(P_d)² = 7.1 (P_w)² = 4.1 Pd = 59.2 (Pc - 14.4) + 14.4 = (Pa)² = 0.207
(P_d)² = 2.50

| $(P_c)^2 - (P_a)^2$ OR $(P_c)^2 - (P_d)^2$ | $(P_c)^2 - (P_w)^2$ | $\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_d)^2}$ OR $\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_w)^2}$ | LOG [] | Backpressure Curve Slope "n" ---- or ---- Assigned Standard Slope | n x LOG [] | Antilog | Open Flow Deliverability = R x Antilog Mcf/d |
|--|---------------------|--|---------|---|-------------|---------|---|
| 6.92 | 2.98 | 2.324 | .3662 | .948 | .3472 | 2.224 | 26 |
| 4.62 | 2.98 | 1.554 | .1913 | .948 | .1814 | 1.518 | 18 |

OPEN FLOW 26 Mcfd @ 14.65 psia DELIVERABILITY 18 Mcfd @ 14.65 psia

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated herein and that said report is true and correct. Executed this the 5th day of April, 2012

Witness (if any)

For Commission

RECEIVED *[Signature]*
For Company

APR 05 2012

Checked by

KCC WICHITA