KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test: | | | | (| (See Instruct | ions on Rev | verse Side | 9) | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------------------|-----------------------------|--------------------------------|-------------------------------------------------------------|-----------------------------------------------|--|
| Open I | | | | Test Date | 9: | - | | | No. 15 | 2000 | | | |
| Delive | rabilty | | | 4-28-1 | // | 1.00 | | 075- | 20596 - C | | Man St | | |
| Company Horseshoe Operating, Inc. | | | | | Lease Sinsbaugh | | | | | 1 | Well Number | | |
| County Location Hamilton C SW | | | tion | Section 17 | | TWP 22S | | RNG (E/W) 41W | | | Acres Attributed | | |
| Fleid Bradshaw | | | Reservoir Winfield | | | | Gas Gathering Con Oneok | | ection | | | | |
| Completion Date 5-20-96 | | | Plug Bac 2700' | k Total Dept | h | | | et at | | | | | |
| Casing Size Weight 4.5 11.6 | | | ht | Internal Diameter 4.000 | | | Set at 2 732 ' | | ations . | то 2688' | | | |
| Tubing Size Welght 2-3/8 4.7 | | | ht | Internal Diameter 2.000 | | | Set at 2690' | | ations | То | | | |
| Type Completion (Describe) Single - Gas | | | | Type Flui Water | d Production | 1 | Pump Unit or Trave Pump Unit - R | | | ing Plunger? Yes / No od | | | |
| Producing Th | hru (Anı | nulus / Tubin | ng) | % Carbon Dioxide | | | % Nitrogen | | | Gas Gravity - G | | | |
| Vertical Depth(H) | | | | | Pressure Taps Flange | | | (Meter Run) (Prover) 5 2" | | | rover) Size | | |
| Pressure Bui | ildup: | Shut in | 4-27 2 | 10 / /at / | 11:15 | (AM) (PM) | Taken | 4-2 | 820 | // at //,'/ | 5 | (AM) (PM) | |
| Well on Line: | : | Started | 2 | 0 at | | (AM) (PM) | Taken | | 20 | at | | (AM) (PM) | |
| | | | | | OBSERVE | D SURFACE | E DATA | | | Duration of Shu | t-in | 4_Hou | |
| Dynamic | Orifice Size nches) | Circle one: Meter Prover Press | Olfferential in | lemperature Temperati | | I Wellhead Preceite | | Tubing Wellhead Pressure (P _w) ∝ (P _o) | | Duration Liq (Hours) | | id Produced Barrels) | |
| | 500 | psig (Pm) | Inches H ₂ 0 | | | psig | 51.1 | psig | psia | 24 | - | | |
| Flow | | | | | | | | | | | | | |
| | | | | , | FLOW STR | EAM ATTR | IBUTES | | | ···· | | | |
| Plate Coefficient (F _b) (F _p) Mcfd | | Circle one: Meter or over Pressure psia | Press Extension Pmxh | Grav Fac | or Temperature | | F | viation actor F _p | Metered Flow R (Mcfd) | GOR (Cubic Feet/ Barrel) | | Flowing Fluid Gravity G _m | |
| | | | | | | | | | | | | <u> </u> | |
| P _a) ² = | : | (P _w) ² : | = : | (OPEN FL | OW) (DELIV | |) CALCUI | | : | |) ² = 0.2 | ·07 | |
| (P _c) ² - (P _a) ² or (P _c) ² - (P _d) ² | | ° _c)² • (P _w)² | Choose formula 1 or 2 1. $P_a^2 - P_a^2$ 2. $P_a^2 - P_a^2$ divided by: $P_a^2 - P_w^2$ | 1. P _c ² -P _d LOG of formula 2. P _c ² -P _d 1, or 2. and divide | | Backpressure Curve Slope = "n" or Assigned Standard Slope | | | og [| Antilog | Open Flow Deliverability Equals R x Antilog (Mcfd) | | |
| . | | | <u></u> | - | | <u> </u> | | | | | - | | |
| Open Flow Mcfd @ 14.65 psia | | | | | Deliverab | Deliverability Mcfd @ 14.65 psia | | | | | | | |
| | • | | on behalf of the | , | | • | thorized | to make the | e above repo | ort and that he h | nas know | rledge of | |
| | -4 11010 | | | | LAGUIGO | - Jano III | | ance | Rip | leymon | ADDEDA | TON COMMI | |
| | | Witness | (if any) | | _ _ | | | | For C | Company KANSAS C | UNTUNT | HON COTH IN | |
| | | For Comi | mission | | | - | • | | Chec | cked by | | 6 2011 E IVE [| |
| • | | | | | | | | | | R | | -1 A F | |

| | I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc. and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the Sinsabaugh #1 |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| • | (Check one) is a coalbed methane producer is cycled on plunger lift due to water is a source of natural gas for injection into an oil reservoir undergoing ER is on vacuum at the present time; KCC approval Docket No. is not capable of producing at a daily rate in excess of 250 mcf/D |
| | I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing. Date: 6-14-11 Signature: Januar Ripley |
| | Title: Production Assistant |

Instructions:

If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.