KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Tes | st: | • | | . (| See Instruct | tions on Re | verse Side | 9) | | • | | | |
|---|--------------------------------|---|--|---|--------------|--|---------------------------------------|----------------|---|--|-------------------------------|--|--|
| _ O | pen Flow | * | , , | | | | , | ن | | | | | |
| ✓ De | eliverabili | у | · · · · · · · · · · · · · · · · · · · | Test Date 11-6-20 | | | | | No. 15 9-20694 - 0 | 000 | | | |
| Compan Claass | | and Gas, Inc | C. , | | * | Lease Heinso i | | | • | 1-21 | Well Nu | mber | |
| County Meade | | Loca 2055 FNL | tion & 2180 FWL | Section 21 | | TWP 33S | ' | RNG (E | /W) | | Acres A | Attributed | |
| Field Borche | rs | , | | Reservoi Morrow | | : | | | thering Conn /lidstream | ection | | | |
| Completi 1/29/19 | | . , | , | Plug Bac 5849 | k Total Dept | ih , | | Packer None | Set at | | · · | | |
| Casing S | Size | Weig 10.5 | | Internal I 4.052 | | Set a 5890 | | Perfo | orations 9 | To 576 2 | <u>'</u> - | | |
| Tubing S | | Weig 4,7 | iht | Internal I 1.995 | Diameter | Set a 5685 | ıt . | | orations | То | <u> </u> | | |
| | mpletion | (Describe) | r · | | d Production | | | Pump U Pump | nit or Traveling | Plunger? (Ye | s)/ No | | |
| | - | Annulus / Tubii | na) | | arbon Dioxi | de | · · · · · · · · · · · · · · · · · · · | % Nitro | <u> </u> | Gas (| Gravity - 0 | 3 | |
| annulus | | | 9) | . / | : | | | 70 1410-0 | , | , Gub (| Jiwiny 10 | ~ 9 | |
| Vertical I | | <u>, , , , , , , , , , , , , , , , , , , </u> | | | Pres | sure Taps | , | , | ········· | (Mete | r Run) (P | rover) Size | |
| Pressure | Buildup: | Shut in 11 | -5 ; 2 | 0_14_at_2 | 40 | (AM)(PM) | Taken 11 | l - 6 | 20 | 14 at 4:30 | - <u>-</u> | (AM) (PM) | |
| Well on L | Line: | Started | 2 | 0 at | | (AM) (PM) | Taken | | 20 | at | (| AM) (PM) | |
| | | Circle one: | | | OBSERVE | D SURFACE | | , , | | Duration of Shu | ut-in 26 | Hours | |
| Static / Dynamic Property | Dynamic Size Property (inches) | | Differential in | Flowing Well Head Temperature | | Casing Wellhead Pressure (P _w) or (P _t) or (P _c) | | Wellhe | Tubing ead Pressure r (P,) or (P _c) | Duration (Hours) | (8 | Liquid Produced (Barrels) | |
| Shut-In | | psig (Pm) |) Inches H ₂ 0 | | | psig 100 | psia | psig 20 | psia | 26 | - | | |
| Flow | | | | | | | , | | | | | | |
| | | | | | FLOW STR | EAM ATTRI | BUTES | | | | | | |
| Plate Coefficeient (F _b) (F _p) Mcfd | | Circle one: Meter or Prover Pressure psia | Press Extension ✓ P _m x h | racion | | Flowing Deviation Factor F ₁₁ F _{pv} | | ctor | Metered Flow R (Mcfd) | GOI (Cubic) Barre | Feet/ | Flowing Fluid Gravity G _m | |
| | | * | | | | , | | | , t | | | | |
| | , | | | (OPEN FL | OW) (DELIV | ERABILITY) | CALCUL | ATIONS | * .4 | (P | $(a)^2 = 0.2$ | 07 | |
| (P _c) ² = | | : (P _w) ² | | P _{.d} = | 9 | % (P | _c - 14.4) + | 14.4 = | <u> </u> | . (P | ₀) ² = | | |
| $(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$ | | (P _c) ² - (P _w) ² | 2. $P_c^2 - P_d^2$ | LOG of formula 1. or 2. and divide p 2. p 2 | | Backpressure Curve Slope = "n" or Assigned | | n x LOG | | Antilog Receizer KANSAS CORPORATION | | Open Flow Deliverability Bis R x Antilog | |
| | | . ' | divided by: $P_c^2 - P_w^2$ | by: | [6 | Standa | ard Slope | | | NOV | 2 4 20 | WESSION | |
| | | | | + | | - | | | | CONSEDUAT | | | |
| L | | | | | | <u> </u> | | | | CONSERVAT WICHI | IA, KS | ION | |
| Open Flo | w . | | Mcfd @ 14. | 65 psia | | Deliverabi | lity | | ···- | Mcfd @ 14.65 p | sia | | |
| | | | on behalf of the | | | 4- | | | ovember | rt and that he i | | edge of 20 14 . | |
| _ U | lvine | L R. Witness | (if any) | ien | · | | Dan | ùl 1 | 2 Clas | 14ccompany | ٠, | · · · · · | |
| | | , For Com | mission | | | | | | Chec | ked by | | | |

| , | | , | | · | 1 |
|----------------------------------|--|------------------------|----------------|---------------------------------------|------------------------------|
| • | | | 4* | | |
| l declare under penalty of | perjury under the laws | of the state of Ka | ansas that I a | am authorized t | o request |
| exempt status under Rule K.A.F | l. 82-3-304 on behalf of t | the operator Clas | assen Oil and | Gas, Inc. | |
| and that the foregoing pressure | | | | | true and |
| correct to the best of my knowle | edge and belief based u | ; pon available pro | duction sum | maries and leas | e records |
| of equipment installation and/or | upon type of completion | n or upon use bei | ng made of th | ne gas well herei | n named. |
| I hereby request a one-year | r exemption from open f | low testing for the | Heinson 1 | -21 | t , i |
| gas well on the grounds that sa | id well: | | · , ' | • | |
| | | | ٠. | | |
| (Check one) | | • | | , | 9. |
| <u></u> | methane producer | • | | | |
| <u> </u> | plunger lift due to wate | | | | |
| | of natural gas for injection | • | | oing ER | i e |
| | n at the present time; K0 | | | | |
| ✓ is not capab | ole of producing at a dai | ly rate in excess | of 250 mcf/D | · · · · · · · · · · · · · · · · · · · | |
| , li trouben enne de ennebrie | along longer of the control of the c | | | | 0 |
| I further agree to supply to | | | - · | nis deemed by t | ommission |
| staff as necessary to corrobora | ne this claim for exemp | don nom testing. | | KANDLE RE | PCeivosi |
| | | • | | YOUNDAS CORPO | PCEIVED PRATION COMMISSIO |
| Date: 11-15-2014 | - . | | | NOV" | 2 4 2014 |
| • | | , | | CONSERVAT | ION DIVISION |
| | • | · · | | ; | IA, KS |
| r | | | | | |
| • | | • | | | |
| | Clamation | | P 0 - | | |
| | Signature: _ | Daniel R | Clanss | ~ | , |
| | | Daniel R President | Class | | · · · |
| | | | Claass | • | |

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.