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## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Tes<br>✓ Op   | t:<br>oen Flov | ı  |   |                                | Test Date  | (See Instruc                  | tions on Re  | verse Side   | ,  | No. 15                      |                           |   |   |  |
|--|----------------|--|---|--------------------------------|--|-------------------------------|--|--|--|-----------------------------|---------------------------|---|---|--|
| De   | eliverabi      | ty   |   |                                | 11/02/2  |                               |  |  |  | -077-21536                  | 6-00-00                   |   |   |  |
| Compan<br>Atlas Op   |                | LLC  |   |                                |  |                               | Lease<br>Darnes  | s A  |  |                             |                           | Well N                                    |   |  |
| County Location Harper NW-NE-NE                            |                |  |   | Section<br>18                  |  | TWP<br>31S                    |  | RNG (E/W)<br>8W                                    |  |                             | Acres Attributed          |   |   |  |
| Field<br>SPIVEY-GRABS-BASIL                                |                |  |   |                                |  | Reservoir<br>Mississippi      |  |  | Gas Gathering Connection Pioneer Exploration, LLC                                    |                             |                           |   | ·   |  |
| Completion Date 12/21/2005                                 |                |  |   | Plug Bac<br>4547'              | k Total Dep  | th                            |  | Packer \$  | Set at   |                             |                           |   |   |  |
| 1.5" 1   |                |  | Veight<br>0.5#  |                                | Internal Diameter 4.052"   |                               | Set at <b>4576'</b>  |  | Perforations<br>4422'  |                             | то<br><b>4430</b> '       |   |   |  |
| Tubing Size Wei<br>2-3/8" 4.7                              |                |  | Veight<br>7#  |                                |  |                               | meter Set at<br>4476'  |  | Perforations   |                             | То                        |   |   |  |
| Type Completion (Describe) Single (Oil & Gas)              |                |  |   | Type Flui                      | Type Fluid Production Oil & Water  |                               |  | Pump Unit or Traveling Plunger? Yes / No Pump Unit |  |                             |                           |   |   |  |
| Producin   | g Thru         | (Annulus /   | Tubing)   |                                |  | Carbon Dioxi                  | ide  |  | % Nitrog   |                             | Gas G                     | ravity -                                  | G,  |  |
| Annulu   |                |  |   |                                |  |                               | <del></del>  |  |  |                             |                           | <b>5</b> ) (5                             |   |  |
| Vertical C   | eptn(H         |  |   |                                |  |                               | sure Taps  | ······································             |  |                             | 2                         |   | rover) Size                                   |  |
| Pressure Buildup: Shut in 11/02                            |                |  | 2   | 0_13 at (AM) (PM) Taken        |  |                               | Taken1   | 1/03   | 20   | <u>13</u> at                | 13 at (AM) (PM)           |   |   |  |
| Well on L  | ine:           | Started  |   | 2                              | 0 at   |                               | (AM) (PM)  | Taken  |  | 20                          | at                        |   | (AM) (PM)                                     |  |
|  |                |  |   |                                |  | OBSERVE                       | D SURFAC   | E DATA   |  |                             | Duration of Shut          | -in_24                                    | Hours   |  |
| Static / Orifice Dynamic Size Property (inches)            |                | e Mo   | e one:<br>eter<br>Pressure  | Pressure<br>Differential<br>in | Flowing<br>Temperature<br>t  | Well Head<br>Temperature<br>t | Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) |  | Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) |                             | Ouration<br>(Hours)       |   | Liquid Produced<br>(Barrels)                  |  |
| Shut-In  |                |  | psig (Pm)   |                                |  |                               | psig<br>95   | psia ps  |  | psia                        |                           | -   |   |  |
| Flow   |                |  |   |                                |  |                               |  |  |  |                             |                           | +   |   |  |
|  |                |  |   |                                |  | FLOW STR                      | REAM ATTR  | IBUTES   |  |                             |                           |   |   |  |
| Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd |                | Meter or   | Circle one:  Meter or over Pressure psia                          |                                | Grav<br>Fac  | or Temperature                |  | Fa   | riation<br>actor<br>pv   | Metered Flow<br>R<br>(Mcfd) | GOR<br>(Cubic F<br>Barrel | eet/                                      | Flowing<br>Fluid<br>Gravity<br>G <sub>m</sub> |  |
|  |                |  |   | ·                              |  |                               |  |  |  |                             |                           |   |   |  |
| P <sub>c</sub> ) <sup>2</sup> =                            |                | _: (F  | °,)² ≠  | :                              | (OPEN FL   | OW) (DELIV                    |  | ) CALCUL<br><sup>2</sup> a - 14.4) +               |  | :                           |                           | ) <sup>2</sup> = 0.2<br>) <sup>2</sup> =  | 207   |  |
| $(P_c)^2 - (P_a)^2$<br>or<br>$(P_c)^2 - (P_d)^2$           |                | (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) | (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> 1 |                                | ose formula 1 or 2:<br>1. $P_c^2 - P_a^2$<br>2. $P_c^2 - P_a^2$<br>LOG of formula<br>1. or 2.<br>and divide<br>by: $P_c^2 - P_a^2$ |                               | Backpressi<br>Slope<br>oi<br>Assig<br>Standard                                       |  | = "n" n x LOG  |                             | Antilog                   | Antilog Op<br>Deli <sup>*</sup><br>Equals |   |  |
|  |                |  |   |                                |  |                               |  |  |  |                             |                           |   |   |  |
| Open Flo   |                |  |   | Mcfd @ 14.                     | 65 psia  |                               | Deliverab  | silita   |  |                             | Model @ 14 SE no          | <u> </u>                                  |   |  |
| •  |                | 1 41   |   |                                |  |                               |  |  |  |                             | Mcfd @ 14.65 ps           |   |   |  |
|  |                |  |   | report is true                 |  |                               |  |  |  | e above repo                | rt and that he h          |   | ledge of 20 <u>13 .</u> .                     |  |
| . ==••   |                | - 19 001100  |   | -p-2                           |  | _,,,,,,,,,,                   |  |  | , _,   | Bus                         | John C.                   | (,  |   |  |
|  |                | Wi   | tness (if ar  | y)                             | <del>-,</del>  | <del></del>                   | -  | <del></del> .                                      |  |                             | ompany                    | <b>%</b>                                  | WICH  |  |
|  |                | Fo   | r Commissi  | on                             | ***  |                               | -  |  |  | Chec                        | ked by                    | JAN                                       | 0 6 20  |  |

|  | under penalty of perjury under the laws of the state of Kansas that I am authorized to request   |
|--|--|
| and that the t<br>correct to the<br>of equipment | oregoing pressure information and statements contained on this application form are true and best of my knowledge and belief based upon available production summaries and lease records installation and/or upon type of completion or upon use being made of the gas well herein named. equest a one-year exemption from open flow testing for the   |
|  | ne grounds that said well:   |
| I further a                                      | 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 agree to supply to the best of my ability any and all supporting documents deemed by Commission sarry to corroborate this claim for exemption from testing. |
| Date: <u>12/31/</u>                              | Signature: Regulatory Coordinator  |

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.

KCC WICHITA

JAN 06 2014

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