# Corrected Township 11/28/2012

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

DEC 03 200

| Type Test   | t:                            |   |  | . (  | See Instru  | ctions on Re  | verse Side   | ,   |  |  | -40 05   |  |  |
|---|-------------------------------|---|--|--|---|---|--|---|--|--|--|--|--|
| = '   | en Flov<br>liverabl           |   |  |  | Test Date: 12/4/2009  |   |  |   | API No. 15<br>15-199-20369 <b>CODO</b> |  |  |  |  |
| Company   |                               | cos II.C  | •  |  |   | Lease<br>Gebhai                                     | rde ·  |   |  | #2-35                                    | Well Number  |  |  |
| Raven Resources, LLC  County Location  Wallace County NE/4 SW/4 |                               |   |  |  | Section TWP 35  |   |  | RNG (E/W) 42W   |  |  | Acres Attributed                                   |  |  |
| Field   | COUNT                         | y INCI-   |  | Reservoi   | Reservoir<br>Niobrara                                       |   |  | Gas Gathering Connection Closed gathering system (West Kansas Pipeline) |  |  |  |  |  |
| Completion  | on Date                       | <del>, , , , , , , , , , , , , , , , , , , </del>               |  | Plug Bac<br>995.90'                              | k Total De  | pth   |  | Packer S  | Set at                                 | . <u></u>                                |  |  |  |
| Casing S  | ize                           | Weig<br>10.5  |  | Internal I                                       | Diameter  |   |  |   | Perforations<br>794' - 825'            |  |  |  |  |
| Tubing Si<br>2 3/8"   | Z <del>e</del>                | Weig  |  | internal (                                       | Internal Diameter Set 81                                    |   |  | Perfo   | rations                                | То                                       |  |  |  |
| Type Con<br>N2 Frac   |                               | (Describe)  | · · · · · · · · · · · · · · · · · · ·  | Type Flui  | id Producti   | on  |  | Pump Un<br>No   | it or Traveling                        | Plunger? Yes                             | / No   |  |  |
| Producing<br>Tubing   | Thru                          | (Annulus / Tubi   | ng)  | % (  | arbon Dio   | xide  | -  | % Nitrog  | en                                     | Gas Gr                                   | ravity - G <sub>g</sub>                            |  |  |
| Vertical D  | epth(H)                       | )   | ,  |  | Pre   | ssure Taps  |  |   |  | (Meter I<br>.500"                        | Run) (Prover) Size                                 |  |  |
| Pressure  | Buildup                       | o: Shut in 12   | 2-4  | 09 at 9  | 30am  | _ (AM) (PM)   | Taken_12   | 2-5   | 20                                     | 09 <sub>at</sub> 930am                   | 1 (AM) (PM)  |  |  |
| Well on L   | ·                             | Started 12  | 2-5 2  | 09 at 9  | 30am  | _ (AM) (PM)   |  |   |  | 09 at 9:30 at                            |  |  |  |
|   |                               | •   |  | <del></del>                                      | OBSERV  | ED SURFAC   | E DATA   |   |  | Duration of Shut-                        | in 24 Hours  |  |  |
| Static /<br>Dynamic<br>Property                                 | ic Size Prover Pressure in    |   | Flowing Well Head<br>Temperature t   |  | (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>2</sub> ) |   | Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia |   | Duration<br>(Hours)                    | Liquid Produced<br>(Barrels)             |  |  |  |
| Shut-In   |                               |   |  | psig<br>5  |   |   | pelg psia  |   | 24                                     | 0  |  |  |  |
| Flow  |                               |   |  |  | 2   |   | 2 .  |   | 24                                     | 0  |  |  |  |
|   |                               |   |  |  | FLOW ST   | REAM ATTE   | IBUTES   |   |  |  |  |  |  |
| Plate<br>Coeffieci<br>(F <sub>b</sub> ) (F<br>Mcfd              | ient                          | Circle one:<br>Meter ot<br>Prover Pressure<br>psia.             | Press<br>Extension<br>P <sub>m</sub> x h   | Grav<br>Fac                                      | tor   | Flowing<br>Temperature<br>Factor<br>F <sub>ft</sub> | Fa   | ation<br>ctor   | Metered Flow<br>R<br>(Mofd)            | GOR<br>(Cubic Fe<br>Barrel)              | Gravitu  |  |  |
|   | i_                            |   |  | ÓPEN EL  | OW) (DELI   | VERABILITY  | '\ CAL CIII  | ATIONS  |  |  |  |  |  |
| >,)° =  |                               | _: (P <sub>w</sub> )²   | =:   | P <sub>d</sub> =                                 |   |   | P <sub>c</sub> - 14.4) +   |   | :                                      | (P <sub>a</sub> )፡<br>(P <sub>a</sub> )፡ | <sup>2</sup> = 0.207<br><sup>2</sup> =             |  |  |
| (P <sub>e</sub> ) <sup>2</sup> - (F                             | P <sub>a</sub> ) <sup>2</sup> | (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> | Choose formula 1 or 2  1. P <sub>2</sub> -P <sub>2</sub> 2. P <sub>2</sub> -P <sub>2</sub> | or 2: LOG ot formula 1. or 2. and divide p 2 p 2 |   | Backpressure Curve<br>Slope = "n"                   |  | n x 106   |  | Antilog                                  | Open Flow Deliverability Equals R x Antilog (McId) |  |  |
|   |                               |   | divided by: $P_0^2 - P_w^2$  | -Jr.   |   | Giant   | Stope  |   |  |  |  |  |  |
|   |                               | · · · · · · · · · · · · · · · · · · ·                           |  |  |   |   | . 114  |   |  |  |  |  |  |
| Open Flor   |                               |   | Mcfd @ 14.   | · · ·  |   | Deliverat   |  |   | · · · · · · · · · · · · · · · · · · ·  | Mcfd @ 14.65 psi                         |  |  |  |
|   |                               | •   | on behalf of the said report is true   | and correc                                       | t. Execute  | ,   |  |   | e above repor                          | rt and that he ha                        | as knowledge of                                    |  |  |
|   |                               | Witness   | i (if any)   | <u>KA</u>  |   | 20 201  |  |   | For C                                  | ompany                                   |  |  |  |
|   |                               | For Com   | nmission   |  | WA1   | A A COL   | <del> </del>   |   | · Chec                                 | ked by                                   | <del></del>  |  |  |

CONSERVATION DIVISION WICHEA, KS

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

| Completion Date   Decision   De   | Type Tesi   | :                                     |  |                |                                | 6               | See Instru  | tilons on Rev       | erse Side)  |                               |               |  |                             |            |
|--|---|---------------------------------------|--|----------------|--------------------------------|-----------------|-------------|---------------------|-------------|-------------------------------|---------------|--|-----------------------------|------------|
| Section TWP RNG (ENV)  Acres Attributed  RECEIVED  Reservoir  Rese   |   |                                       |  |                |                                | Test Date       | r.          |                     |             | API (                         | No. 15        |  |                             |            |
| Completion Date   Decision   De   | · · · · · · · · · · · · · · · · · · ·               |                                       | lly<br>~                                 |                |                                |                 |             | ····                |             |                               |               | · · · · · · · · · · · · · · · · · · ·  |                             |            |
| Location Section TVP RNO (EW) Acres Attributed  3.   | Company   | !                                     |  |                |                                |                 |             |                     |             |                               |               | ·                                      |                             |            |
| RESERVED  RESERVED  RESERVED  RESERVED  RESCRIPTION  RECEIVE  RECE   | County  | 1°20 t 2,                             | ·  | Location       | 1                              | Section         | <del></del> | TWP                 |             | RNG (EA                       | M)            |  | Anena Attellusted           |            |
| Ing Size Wolght Internal Diamolar Set at Perforations To TO THE SET TO THE SE   |   | ice_                                  |  |                |                                | 35              |             | 115                 |             | 422                           | w             |  | R                           | Form       |
| Ing Size Wolght Internal Diamolar Set at Perforations To TO THE SET TO THE SE   | ield  |                                       |  |                |                                |                 |             |                     |             | Gas Gath                      | ering Conne   | ection                                 |                             | -ceivel    |
| Ing Size Wolght Internal Diamolar Set at Perforations To TO THE SET TO THE SE   |   | _ ::                                  |  |                | . ,                            |                 |             |                     |             | na no managana<br>Danahana    |               |  | DE                          | C () 2     |
| Ing Size Wolght Internal Diamolar Set at Perforations To TO THE SET TO THE SE   |   |                                       | ,  |                |                                |                 |             | nn                  | '           | Packer S                      | et ex         |  | <b>⇒</b> l <sub>ink</sub> ( | C 43 20    |
| Completion (Describe)  Type Fluid Production  Pump Unit or Traveling Plunger? Vise / Secondary - G.  Scand Dephylit)  Pressure Taps  (Meter Fluin) (Provar) Size  State Dephylit  Dephylit (Pressure Pressure Taps  (Meter Fluin) (Pressure Pressure Taps  (Meter Fluin) (Pressure Pressure Taps  (Meter Fluin) (Pressure Pressure Taps  Provarie Taps  Proving Fluin (Pressure Pressure Fluin)  Pressure Taps  Proving Pressure Taps  Proving Fluin (Meter Fluin) (Pressure Fluin)  Pressure Taps  Proving Fluin (Pressure Fluin) (Meter Taps Fluin (Meter Taps Fluin)  Pressure Taps  Proving Fluin (Meter Fluin) (Pressure Fluin Fluin)  Pressure Taps  Proving Fluin (Pressure Fluin Fluin)  Pressure Taps  Proving Fluin (Pressure Taps  Proving Fluin (Pressure Taps  Pressure Taps  Proving Fluin (Pressure Taps  Pressure Taps  Pressure Taps   |   |                                       |  | Weight         |                                |                 |             | Sol at              |             | Perior                        | ations        | То                                     | KCC                         | la.        |
| Completion (Describe)  Type Fluid Production  Pump Unit or Traveling Plunger? Vise / Secondary - G.  Scand Dephylit)  Pressure Taps  (Meter Fluin) (Provar) Size  State Dephylit  Dephylit (Pressure Pressure Taps  (Meter Fluin) (Pressure Pressure Taps  (Meter Fluin) (Pressure Pressure Taps  (Meter Fluin) (Pressure Pressure Taps  Provarie Taps  Proving Fluin (Pressure Pressure Fluin)  Pressure Taps  Proving Pressure Taps  Proving Fluin (Meter Fluin) (Pressure Fluin)  Pressure Taps  Proving Fluin (Pressure Fluin) (Meter Taps Fluin (Meter Taps Fluin)  Pressure Taps  Proving Fluin (Meter Fluin) (Pressure Fluin Fluin)  Pressure Taps  Proving Fluin (Pressure Fluin Fluin)  Pressure Taps  Proving Fluin (Pressure Taps  Proving Fluin (Pressure Taps  Pressure Taps  Proving Fluin (Pressure Taps  Pressure Taps  Pressure Taps   |   |                                       |  |                | -                              |                 |             | 103                 | 8.07        | <b>,</b>                      | 794-          | 825                                    |                             | WICHIT     |
| Completing (Describe)   Type Fluid Production   Pump Unit or Taveling Plunger?   Vec / 63  | ubing Si  | za                                    |  |                |                                | Internal C      | iameter     | Set at              | Ì           | Pertor                        | ations        | То                                     |                             |            |
| Joseph Front (Annabus / Tubing)  % Carbon Dioxide  % Millingen  Gas Gravity - G,  (Meter Plun) (Prover) Size  Secure Building: Shut in   | <u> 2 3/3</u>                                       |                                       |  | 47             |                                | T               | d David att |                     |             | N                             | 4 Tournian    | Phone of the                           |                             |            |
| Continue  |   |                                       | ,  |                |                                | •••             |             |                     | '           | rump un                       | n or Haveking | Plunger/ 195                           | / <b>@</b> D                |            |
| Started Burldup: Shut in 2-7 20 02 at 2:30 (69) (PM) Taken 2-5 20 02 at 2:30 (69) (PM)  Ion Line: Started 2-5 20 02 at 2:30 (69) (PM) Taken 2-5 20 02 at 2:30 (69) (PM)  OBSERVED SURFACE DATA Duration of Shut-in 27 Hours (Chickell Property Property Property Property In the Shut (Chickell Property Property In the Shut (Chickell Property Property In the Shut (Chickell Prop   |   |                                       |  | s / Tubing)    | स्त्राः <b>भक्षकः</b> जनसः⊓काः | % C             | arbon Dio   | ido                 |             | % Niirege                     | PN            | Gas Gr                                 | avity - G <sub>a</sub>      | -          |
| Started Burldup: Shut in 2-7 20 02 at 2:30 (69) (PM) Taken 2-5 20 02 at 2:30 (69) (PM)  Ion Line: Started 2-5 20 02 at 2:30 (69) (PM) Taken 2-5 20 02 at 2:30 (69) (PM)  OBSERVED SURFACE DATA Duration of Shut-in 27 Hours (Chickell Property Property Property Property In the Shut (Chickell Property Property In the Shut (Chickell Property Property In the Shut (Chickell Prop   | outlent D   | orabital                              |  |                |                                |                 | Pro         | ssure Tans          |             |                               |               | (Meter I                               | Run) (Prover) Size          |            |
| The undersigned authority, on behalf of the Company, states that he is day authorized to make the above report and that he has knowledge of the stated for the undersigned authority, on behalf of the Company, states that he is day authorized to make the above report and that he has knowledge of the stated therein, and that said report is rue and correct. Executed this time.  | - MCHI C  | -banta)                               | ,  |                |                                |                 | F 16        |                     |             |                               |               | fan menn i                             |                             |            |
| Continue Started 12-5 20 Pet 1-120 P   | e orania.   | - 21. A. 1                            | 2.2 5.                                   | ·// //         |                                | . 40 .          | 9120        |                     | <b>*</b>    | 19-6                          |               |  | 20 440000                   | •          |
| OBSERVED SURFACE DATA  Duration of Sturt-in 24 Hours  Cating Transmiss Sub- print Sub- p   | ressure   | Buroup                                |  |                |                                |                 |             |                     |             |                               |               |  |                             |            |
| Continue  | feli en L   | ine:                                  | Star                                     |                | 2                              | 0 <i>2</i> 2 at | 7:30        | - <b>(59</b> ) (PM) | Taken       | <u>/2·6</u>                   | 20            | QZ at                                  | (PM)                        |            |
| Size   Continue   Co   |   |                                       |  |                |                                | ·               | OBSERV      | ED SURFACE          | DATA        |                               |               | Duration of Shut-                      | in <u>29</u> Houn           | <u>.</u>   |
| Proper  | tatic/  | Orific                                |  | Circle one:    | 1                              | Flowing         | Wall Head   | 1                   |             |                               |               | Duration                               | Liment Speciment            |            |
| FLOW STREAM ATTRIBUTES  FILOW STREAM ATTRIBUTES  FOOTON STREA   | yearnic   |                                       | 1,500                                    | var Prossura   |                                |                 |             |                     |             |                               |               |  | 1 .                         | 1          |
| FLOW STREAM ATTRIBUTES  Prate   Colic and   Prace   Colic and   Prace   Colic and   Prace   Pr   | rupary  | fraction                              | "  | paig (Pm)      | <del></del>                    | <u> </u>        |             |                     | eico        |                               | pala          |  | ļ                           |            |
| FLOW STREAM ATTRIBUTES  Praise Circle and Marker or Prover Pressure Plant Prover Pressure Plant Plant Prover Pressure Plant Pl   | Shut-In   | _                                     |  | 14.9           | ļ                              |                 |             | ے۔                  |             | -5                            | 1             | 24                                     | 0                           |            |
| Pitals  Cinto ann.  Adare or  Press  Extension  Factor   | Flow  | .50                                   | 20                                       | 15.8           | حر_                            |                 | L           | Z                   |             | 2                             |               | 24                                     | 0                           | ]          |
| Adaler or Prover Pressure Standson Factor Feator Factor Fa   |   |                                       |  |                |                                |                 | FLOW ST     | REAM ATTRI          | BUTES       |                               |               |  |                             | <b>-</b> 1 |
| (OPEN FLOW) (DELIVERABILITY) CALCULATIONS  (P <sub>2</sub> ) <sup>3</sup> = P <sub>3</sub> = P <sub>3</sub> = P <sub>4</sub> |   |                                       |  |                |                                | Gran            | rity        | •                   | Devis       | tion                          | Metered Flow  | GOR                                    |                             |            |
| (OPEN FLOW) (DELIVERABILITY) CALCULATIONS  (P_)3 =   | Confilectant<br>(F <sub>a</sub> ) (F <sub>a</sub> ) |                                       |  |                |                                |                 |             |                     | * -         |                               |               | 1 '                                    | <b>9</b> 7 I                |            |
| 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 stated therein, and that said report is true and correct. Executed this the Market of Market of the Company, states that he is duly authorized to make the above report and that he has knowledge of the stated therein, and that said report is true and correct. Executed this the Market of Market of the Company and the said report is true and correct. Executed this the Market of Market of Market of the Company and the said report is true and correct. Executed this the Market of Ma   |   |                                       | P  | 91&            | → P <sub>B</sub> XII           |                 |             | F <sub>tr</sub>     | ,           | <u> </u>                      | (meiet)       |  | G <sub>n</sub>              |            |
| 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 stated therein, and that said report is true and correct. Executed this the Market of Market of the Company, states that he is duly authorized to make the above report and that he has knowledge of the stated therein, and that said report is true and correct. Executed this the Market of Market of the Company and the said report is true and correct. Executed this the Market of Market of Market of the Company and the said report is true and correct. Executed this the Market of Ma   |   |                                       |  |                |                                |                 |             |                     | 1           |                               |               |  |                             |            |
| 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 stated therein, and that said report is true and correct. Executed this the Market of Market of the Company, states that he is duly authorized to make the above report and that he has knowledge of the stated therein, and that said report is true and correct. Executed this the Market of Market of the Company and the said report is true and correct. Executed this the Market of Market of Market of the Company and the said report is true and correct. Executed this the Market of Ma   | . <del></del>                                       | · · · · · · · · · · · · · · · · · · · |  |                |                                | (OPEN FL        | OW) (DELL   | VERABILITY)         | CALCULA     | TIONS                         |               | (D.)                                   | 1 - 0 202                   | •          |
| P   P   P   P   P   P   P   P   P   P  | ם יין   |                                       | :  | (P_)4 =        | :                              | •               |             |                     |             |                               | :             |  |                             |            |
| Slope 17  2. P. P. P. Strike P. P. P. P. P. P. Strike P.   |   | - t                                   |  | Ch             | rates formula 1 or 8           | "               |             | Backpres            | suite Curve | T                             | r 7 l         | <del></del>                            |                             | ]          |
| Assigned Stope   P. P. P.   Assigned Stope   P. P. P.   Assigned Stope   P. P. P.   Assigned Stope   Assigne   | (P,)2-(I  | , l                                   | ( <b>P</b> <sub>q</sub> ) <sup>q</sup> - | · (P, )*       |                                | (Dissents       |             | Slope               | 0 = "n"     |                               |               |  | Deliverability              | 1          |
| 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 ucts stated therein, and that said report is true and correct. Executed this the  | (P,)2 · (I  | ,y2                                   |  |                |                                | and divisio     | P.4. P.2    | Agg                 | Igned       | Į                             |               | _                                      |                             |            |
| 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 understand therein, and that said report is true and correct. Executed this the   |   |                                       |  | - L            | wordsk P P.                    | - ays           | <u> </u>    | Schion              |             | 1                             |               |  |                             | -          |
| 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 understand therein, and that said report is true and correct. Executed this the   |   |                                       |  |                |                                | <del> </del>    |             |                     |             | -                             |               | ************************************** |                             | 4          |
| 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 understand therein, and that said report is true and correct. Executed this the   |   | [                                     |  |                |                                | <u> </u>        |             |                     |             |                               |               |  | 1                           | ]          |
| ucts stated therein, and that said report is true and correct. Executed this the   | pen Flor  | N                                     |  |                | Mcfd @ 14.                     | 65 psia         |             | Oeliverabil         | lity        |                               | ,             | Mafd @ 14.65 psi                       | ia                          |            |
| Willness (J am)  RECEIVED  |   |                                       | aned au                                  | athority, on   |                                |                 | states that | ha is duly aut      | thorized to | make th                       | e above repo  | rt and that he ha                      | es knowledge of             | • 4        |
| PECEIVED Charles by  | e lacte s   | ated th                               | etein, a                                 | ind that said  | roport is true                 | and correc      | t. Execute  | d this lhe          | <u>/4</u> 0 | ay of 🚅                       | May           |  | , 20 //2 .                  |            |
| PECEIVED Charles by  |   |                                       |  |                |                                |                 |             |                     |             | (7)                           | Ź.            |  |                             |            |
| PECEIVED Charles by  |   |                                       |  | Williams III a | mA .                           |                 |             | ****                |             | <u> </u>                      | <u>رحر</u>    | ANYOUNY                                |                             | er.        |
| But Completion   |   |                                       |  | ermapus și W   |                                |                 |             |                     | _           |                               |               |  |                             |            |
| KANSAS CORPORATION COMMISSION  |   |                                       |  | Prir Comicias  | ábh                            | MANGAC          | CORPORA     | TIVED               | SION        | market and the control of the | Chec          | hed by                                 |                             |            |

MAY 2 0 2010

### DEC 0 3 2012

| KCC WICHITA  |
|--|
| 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 Raven Resources, LLC |
| 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 Gebhards 2-35   |
| gas well on the grounds that said well:  |
| (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: 5/14/10  |
| RECEIVED RANGAG CORPORATION COMMISSION  MAY 2 0 2010  Title: Mg Mullium WICHITA, KS  |

#### 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.