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

| Type Tes   | t:                 |      | 0   |  | (   | See Instru               | ctions on Re  | verse Side  | )   |                               |  |   |  |
|--|--------------------|------|---|--|---|--------------------------|---|---|---|-------------------------------|--|---|--|
|  | en Flo<br>eliverab |      |   |  | Test Date                                   | : 11/0                   | 1/2014  |   |   | No. 15<br>5 <b>-22020-0</b> ( | 000                                      |   |  |
| Company<br>MIDCO Exploration, Inc.   |                    |      | Lease<br>Ramsey                                     |  |   | <u>-</u>                 |   |   | #5  | Vell Number                   |  |   |  |
| County<br>Kingman  |                    |      | Location<br>NE NW                                   |  | Section<br>35                               |                          | TWP<br>28S  | TWP<br>28S  |   | (W)                           |  | Acres Attributed  |  |
| Fleid<br>Garlisch SW   |                    |      |   |  | Reservoir<br>Mississippi                    |                          |   |   | Gas Gathering<br>ONEOK  |                               | ection                                   |   |  |
| Completion Date 3/8/06   |                    |      |   |  | Plug Back Total Depth<br>4222               |                          | pth<br>   |   | Packer Set at NONE  |                               |  |   |  |
| Casing Size<br>4.5   |                    |      | Welght<br>10.5                                      |  | Internal Diameter<br>4.090                  |                          |   | Set at<br><b>4264</b>                                     |   | rations<br>2                  | To<br>4110                               |   |  |
| Tubing Size<br>2.375   |                    |      | Weight<br>4.7                                       |  | Internal Diameter<br>1.995"                 |                          |   | Set at<br>4075  |   | rations                       | То                                       |   |  |
| Type Completion (D<br>Single gas   |                    |      | escribe)  |  | Type Flui<br>Water                          | d Production             | on  | Pump Unit or To   |   | _                             |  |   |  |
|  |                    | (Anı | rulus / Tubing                                      | )  | % C   | arbon Dio                | klde  |   | % Nitrog  |                               |  | avity - G <sub>o</sub>                                      |  |
| Vertical D<br>4106   | Depth(F            | •    |   |  |   | Pre<br><b>Fla</b> i      | ssure Taps<br>nge                                   |   |   |                               | (Meter F<br>2.067                        | lun) (Prover) Size  |  |
| Pressure   | Bulldu             | p:   | Shut in 10/   | /31 2  | 014 at 8                                    | :00                      | _ (AM) (PM)   | Taken   | 11/01   | 20                            | 14 at 8:00                               | (AM) (PM)   |  |
| Well on L  | ine:               |      | Started 11/   | <u>/01</u> _ 2   | 0 <u>14</u> at 8                            | :00                      | _ (AM) (PM)   | Taken   |   | 20                            | at                                       | (AM) (PM)   |  |
|  |                    |      |   | _  |   | OBSERV                   | ED SURFAC   | E DATA  |   |                               | Duration of Shut-i                       | nHours  |  |
| Static / Orifice Dynamic Size Property (inches)                                |                    | e    | Circle one:<br>Meter<br>Prover Pressu.<br>psig (Pm) | Pressure Differential re in Inches H <sub>2</sub> 0                                      | Flowing<br>Temperature<br>t                 | Well Head<br>Temperature | I Wellhead Pressure                                 |   | Tubing Welihead Pressur (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>0</sub> psig psig |                               | Duration<br>(Hours)                      | Liquid Produced<br>(Barrels)                                |  |
| Shut-In  |                    |      |   |  |   |                          | 690   | рыа   | 345   | psla                          |  |   |  |
| Flow   |                    |      |   |  |   |                          | <u> </u>  |   |   |                               |  |   |  |
|  | <del></del> ;      |      | Circle one:   | <del></del>  | 1   | FLOW ST                  | REAM ATTR   | IBUTES  |   |                               | 1  | 1   |  |
| Plate<br>Coeffied<br>(F <sub>b</sub> ) (F<br>Mofe                              | lent               | Pro  | Meter or<br>wer Pressure<br>psia                    | Press Extension P <sub>m</sub> xh  | Grav<br>Fac<br>F                            | tor                      | Flowing<br>Temperature<br>Factor<br>F <sub>tt</sub> | Fa  | lation<br>ctor<br>pv  | Metered Flov<br>R<br>(McId)   | y GOR<br>(Cubic Fee<br>Barrel)           | Flowing<br>Fluid<br>Gravity<br>G <sub>m</sub>               |  |
|  |                    |      |   | <u> </u>   | (OPEN EL                                    | hw) (DELL                | VERABILITY  | ) CALCIII   | ATIONS  |                               |  |   |  |
| (P <sub>c</sub> )² ≃   |                    | _:   | (P <sub>w</sub> )² =                                | :  | $P_{d} =$                                   |                          |   | , 022002<br><sub>o</sub> - 14.4) +                        |   | :                             | (P <sub>a</sub> )፣<br>(P <sub>d</sub> )፣ | = 0.207<br>=  |  |
| (P <sub>c</sub> ) <sup>2</sup> - (<br>or<br>(P <sub>c</sub> ) <sup>2</sup> - ( | - 1                | (F   | )2- (P <sub>w</sub> )2                              | Choose formula 1 or 2  1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ Sivided by: $P_a^2 - P_a^2$ | LOG of<br>formula<br>1. or 2.<br>and divide | P.2-P.2                  | Sto<br>As   | ssure Curve<br>pe = "n"<br>- or<br>- signed<br>lard Siope | пх  | LOG                           | Antilog                                  | Open Flow<br>Deliverability<br>Equals R x Antilog<br>(Mofd) |  |
|  |                    |      |   |  | 1   |                          |   |   |   |                               |  |   |  |
| Open Flo   | w                  |      |   | Mcfd @ 14.   | 65 psia                                     |                          | Deliverat   | ility   |   |                               | Mcfd @ 14.65 psi                         |   |  |
| The  | unders             | _    | •   | ••   | Company, e                                  |                          | he is duly a  | uthorized t   | day of  | Novembe:                      | ort and that he ha                       |   |  |
|  |                    |      | Witness (il   | any)   | KAN   | Re                       | ceived<br>RATION COMM                               | MID   | <u>CO EX</u>  | PLORATIO                      | ON, INC.                                 |   |  |
|  |                    |      | For Commi   | estan  |   |                          | TALLON COMM   | HEEHON-   | -   | Che                           | cked by                                  | <del>-</del>  |  |

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|   |   |
| exempt status under<br>and that the foregoi<br>correct to the best o<br>of equipment installa-<br>! hereby reques | penalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator MIDCO EXPLORATION, INC.  Ing pressure information and statements contained on this application form are true and f my knowledge and belief based upon available production summaries and lease records ation and/or upon type of completion or upon use being made of the gas well herein named. It a one-year exemption from open flow testing for the RAMSEY #5 |
| gas well on the grou  | ands that said well:  |
| <br> -<br> -<br> -  | s a coalbed methane producer s cycled on plunger lift due to water s a source of natural gas for injection into an oil reservoir undergoing ER s on vacuum at the present time; KCC approval Docket No s not capable of producing at a daily rate in excess of 250 mcf/D  |
|   | o supply to the best of my ability any and all supporting documents deemed by Commission o corroborate this claim for exemption from testing.   |
| Date: 11/14/20  | 14  |
|   | Signature:  |

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.