

## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

| Type Tes                                 | st:      |                             |                                       |                                   |                     | (See Instru     | ictions on Re                         | everse Side            | )                     |  |                   |              |                                       |
|--|----------|-----------------------------|---------------------------------------|-----------------------------------|---------------------|-----------------|---------------------------------------|------------------------|-----------------------|--|-------------------|--------------|---------------------------------------|
|  | pen F    | low [                       | 3 SHUT                                | -1N                               |                     |                 |                                       |                        |                       |  |                   |              |                                       |
| Deliverabilty PRESSURE                   |          |                             | Test Date:     -2 -99                 |                                   |                     |                 | API No. 15<br>15-103-20817-00-00      |                        |                       |  |                   |              |                                       |
|  |          |                             |                                       |                                   |                     |                 |                                       |                        |                       | -103-                                  |                   |              |                                       |
| Compan                                   | -        | 10.30                       |                                       | and the gra-                      | . In it as g        | 1977 1          | Lease                                 |                        | 1 10 100 11           | M. 10 10 10                            | Barrer Commence   | Well Nu      | mber                                  |
| MON                                      | yym      | EN                          | <u>T Kes</u>                          | OURCES,                           | <i>fue</i>          |                 | <u> </u>                              | 4 EIM                  |                       | <u> </u>                               | Style Bayley      | #4           | Total Company                         |
| County                                   |          |                             |                                       |                                   |                     |                 |                                       |                        | RNG (E                | (W)                                    |                   |              |                                       |
| Leau                                     | enu      | DORT                        | # NI                                  | ที่ทั้งเก                         | 20                  | <u> </u>        | <u> </u>                              | 1. "                   |                       | E                                      |                   | 140          | <u> </u>                              |
| Field                                    |          |                             |                                       | . <b>M</b> A                      | Reservo             |                 | -                                     |                        |                       | hering Connec                          |                   | _            | _                                     |
|  |          |                             |                                       | ۱۸۲                               | LOUTH/              |                 |                                       | <u> </u>               | 0G 7                  | -RANSM                                 | 15510N            | COR          | .ρ                                    |
| Complet                                  |          |                             | ·                                     |                                   |                     | k Total Dep     | th                                    |                        | Packer S              | Set at                                 |                   |              |                                       |
|  | 15       | - 7                         |                                       |                                   |                     | 1410'           |                                       |                        |                       |  |                   |              |                                       |
| Casing S                                 | Size     |                             | Weig                                  |                                   | · Internal [        | Diameter        | Set a                                 | _                      | Perfo                 | orations                               | То                | 1            |                                       |
|  | 2        |                             |                                       | 5#                                |                     |                 |                                       | <u> </u>               |                       | 1295                                   | _ /3              | 00           |                                       |
| Tubing S                                 | Size     |                             | Weig                                  | ght                               | Internal (          | Diameter        | Set a                                 | at                     | Perfo                 | rations                                | То                |              |                                       |
|  |          |                             | · · · · · · · · · · · · · · · · · · · |                                   | -                   |                 |                                       | <u> </u>               |                       |  |                   |              |                                       |
| Type Co                                  |          |                             | •                                     |                                   | Type Flui           | d Productio     | n                                     |                        | - <del>Pump-U</del> i | nit or <del>-Traveling-</del>          | Plunger? Yes      | (No          |                                       |
|  |          | <u>GA</u>                   |                                       | <u> </u>                          |                     |                 |                                       |                        |                       |  |                   |              |                                       |
| Producin                                 | _        |                             | ulus / Tubin                          | g)                                | % Carbo             |                 |                                       |                        | % Nitrog              |  | Gas Gr            | avity - G    | 9                                     |
|  |          |                             | ING                                   |                                   |                     | NIL             |                                       |                        | NI                    | <u></u>                                |                   |              |                                       |
| Vertical [                               | Depth(   | H)                          |                                       |                                   |                     | Press           | sure Taps                             |                        |                       |  | (Meter F          | Run) (Pro    | over) Size                            |
|  |          |                             |                                       |                                   |                     |                 |                                       |                        |                       | ·                                      |                   | * N          |                                       |
| Pressure                                 | Build    | ın.                         | Shut in                               | 41                                | O at                |                 | (AM) (DM)                             | Takon                  |                       | 10                                     |                   | ्र           |                                       |
| 1 1000010                                | Duna     |                             |                                       |                                   |                     |                 |                                       |                        |                       |  | at                |              | AM) (PM)                              |
| Well on L                                | .ine:    | 5                           | Started                               | 1                                 | 9at                 |                 | (AM) (PM)                             | Taken                  |                       | 19 .                                   | at                | (/           | AM) (PM)                              |
|  |          |                             |                                       |                                   |                     |                 |                                       |                        |                       |  |                   |              |                                       |
|  |          |                             |                                       |                                   |                     | OBSERV          | ED SURFAC                             | E DATA                 | 7                     | ł                                      | Duration of Shut- | in 24        | Hours                                 |
| Static /                                 | Ori      | lica                        | Circle one:                           | Pressure                          | Flowing             | Well Head       | Cas                                   | ing                    | 7                     | Tubing                                 |                   |              |                                       |
| Dynamic                                  | Si       |                             | Meter or<br>Prover Press              | Differential                      | Temperature         |                 | Wellhead                              |                        | ,                     | ad Pressure                            | Duration          |              | Produced                              |
| Property-                                | incl     | nes                         | psig                                  | ure in (h)                        | t                   | t               | (P <sub>w</sub> ) or (P               |                        |                       | (P <sub>1</sub> ) or (P <sub>e</sub> ) | (Hours)           | (B           | arrels)                               |
| Shut-In                                  |          |                             |                                       | 7                                 |                     |                 | psig                                  | psia                   | psig psia             |  |                   |              |                                       |
| Silui-in                                 |          |                             |                                       |                                   |                     |                 | 20                                    |                        | 1                     | -                                      | 24                | -            | -                                     |
| Flow                                     |          |                             |                                       |                                   |                     |                 |                                       |                        |                       |  |                   |              |                                       |
| L  |          |                             | •                                     |                                   |                     |                 |                                       |                        |                       | <u> </u>                               |                   | <u> </u>     |                                       |
|  |          |                             | · · · · · · · · · · · · · · · · · · · |                                   | <del></del>         | FLOW ST         | REAM ATTR                             | IBUTES                 |                       |  |                   |              | <del></del> -                         |
| Plate                                    |          |                             | Circle one:                           | Press                             | Grav                | ity             | Flowing                               | Devi                   | ation                 | Metered Flow                           | GOR               |              | Flowing                               |
| Coefficient                              |          | Meter or<br>Prover Pressure |                                       | Extension                         | Fact                | or              | Temperature<br>Factor                 | Fac                    | tor                   | R                                      | (Cubic Fee        | et/          | Fluid                                 |
| (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd |          | psia                        |                                       | √ P <sub>m</sub> x H <sub>w</sub> | F,                  | ł               | F <sub>ii</sub>                       | F,                     | ,,                    | (Mcfd)                                 | Barrel)           |              | Gravity<br>G <sub>m</sub>             |
|  |          |                             |                                       |                                   | <del></del>         |                 |                                       |                        |                       |  |                   |              |                                       |
|  |          |                             |                                       | <u> </u>                          |                     |                 |                                       |                        |                       |  |                   |              | 1                                     |
|  |          |                             |                                       |                                   | (OPEN FLO           | OW) (DELIV      | ERABILITY                             | CALCULA                | ATIONS                |  |                   |              |                                       |
| (P <sub>c</sub> ) <sup>2</sup> =         |          |                             | (P <sub>w</sub> )² =                  | •                                 |                     |                 |                                       |                        |                       | _                                      |                   | = 0.20       | 7                                     |
| (, 6)                                    |          |                             | · · · · · ·                           | Choose formula 1 or 2:            | P <sub>a</sub> = .  |                 | /0 (F                                 | - 14.4) +              | 14.4 =                | :                                      | (P₀)²             | <del>=</del> | <del></del>                           |
| (P <sub>c</sub> )² - (P                  | )2       | (P                          | )²- (P_)²                             | 1. P.2-P.2                        | LOG of              |                 |                                       | ssure Curve<br>e = "n" |                       | ר ז                                    |                   | Ope          | n Flow                                |
| or<br>(P <sub>e</sub> )²- (P             |          |                             |                                       | 2. P2-P2                          | formula<br>1. or 2. |                 |                                       | or                     | nxL                   | .og                                    | Antilog           |              | erability                             |
| (P <sub>e</sub> )2- (P                   | (a)2     |                             |                                       | divided by: P2 - P2               | and divide<br>by:   | P.2. P.,2       |                                       | igned<br>ard Slope     | -   -                 |  |                   | -            | R x Antilog                           |
|  | 7,       | a +, ,                      |                                       | Uncountry in the second           | -7.                 |                 | 0.4                                   |                        | 1                     |  |                   |              | · · · · · · · · · · · · · · · · · · · |
|  |          |                             |                                       | and an interest                   |                     |                 |                                       |                        |                       |  |                   | 1.1.         |                                       |
|  | - D.     |                             | 11 . 412                              | er vert <del>Tracia</del> ,       |                     |                 | · · · · · · · · · · · · · · · · · · · |                        |                       | L graph .                              | A COMPLETE OF THE | 4.5          |                                       |
|  | L        |                             |                                       |                                   | <u></u>             |                 |                                       |                        | 4                     |  |                   | <u></u>      |                                       |
| Open Flow                                | <u> </u> |                             |                                       | Mcfd @ 14.6                       | 5 psia              | posti jedaja je | Deliverabili                          | ty                     | 100                   | Mo                                     | fd @ 14.65 psia   | 3. 11        |                                       |
| The ur                                   | ndersi   | aned                        | authority on                          | hehalf of the Co                  | mnany etet          | e that ha is    | duly subse                            | and to!                |                       |  |                   | ade          | AL - 4                                |
|  |          |                             |                                       |                                   | *                   | •               | ouly author                           | zeu to mak             |                       |  | nat he has knowl  |              | •                                     |
| tated there                              | in, an   | d that                      | said report                           | is true and corre                 | ct. Executed        | this the _      | ۷                                     | day of                 | <u> </u>              | ovem be                                | ٤                 | <u> </u>     | <u>99</u> .                           |
|  |          |                             |                                       |                                   | •                   |                 | -                                     | $\bigcap_{i}$          | PF                    | ) #                                    |                   |              | •                                     |
|  |          |                             | Witness (i                            | f any)                            |                     | ·               | -                                     | <u> </u>               | JJO                   | us (                                   | TO A DV           |              | <del></del>                           |
|  |          |                             |                                       | ••                                |                     |                 | 8                                     | +6, Fo                 | 184-1                 | Pres, For Con                          | пралу             |              | •                                     |
|  |          |                             | For Comm                              | nission                           |                     |                 |                                       |                        |                       | Chacka                                 | d b               |              |                                       |

| Edeclare under penalty or 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 Monument Resources, Tuc, and that the foregoing information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon gas production records and records of equipment installation and/or of type completion or upon use of the gas well herein named.  I hereby request a permanent exemption from open flow testing for the T. Herm # 4 gas well on the grounds that said well: | exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Monument Resources Tuc, and that the foregoing information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon gas production records and records of equipment installation and/or of type completion or upon use of the gas well herein named.  I hereby request a permanent exemption from open flow testing for the T. Herm # 4 |  |
|---|--|--|
| 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 incapable of producing at a daily rate in excess of 150 mcf/D  | 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 incapable of producing at a daily rate in excess of 150 mcf/D   |  |
| Signature: Alfoust  Title: President  | Signature:QLFoust  |  |

## Instructions:

All active gas wells must have at least an original G-2 form on file with the conservation division. If a gas well meets 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 obtain a testing exemption.

At some point during the succeeding calendar year, wellhead shut-in pressure shall be 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.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than thirty (30) days after the taking of the pressure reading. The form must be signed and dated on the front side as though it was a verified report of test results.