KCC WICHITA

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

| artman Dil Co., Inc.  Tuttle  1-5  Tuttle  Tutt  | Type Test  |  |  |                   | (                                      | See Instruct | tions on Reve  | erse Side | 15-   | 025-1       | 0091-0                 | 00-00                                |
|---|--|--|--|-------------------|--|--------------|--|-----------|---|-------------|------------------------|--------------------------------------|
| Tuttle 1.5  Northard DI Co, Inc.  Location Section TVP RNG (EW) Acres Attributed 1.5  Reservoir Gas Gamering Connection DCP Midstream Packer Stat State Stat  |  |  |  |                   | Test Date                              | <b>3</b> :   |  |           | <b>ب</b> Ω  | No. 13 - 25 | -11,113,110            | <b>96</b> )                          |
| artman Dil Co., Inc.  Tuttle  1-5  Tuttle  Tutt  |  |  | /  |                   | 6/26/20                                | 12           | ~  |           | 46-   | 1962        |                        |                                      |
| ark NE/4 0.5 35S 21W 620  art Reservoir Another Another Reservoir Gas Gathering Connection DCP Midstream  Pug Back Total Depth Packer Set at None  Pug Back Total Depth Packer Set at Perforations To None  Total Depth Packer Set at None  Total Depth Perforations To None  Pug Back Total Depth Perforations To None  Total Depth Perforations Total Depth Pe  | Company<br>Hartman                               | ,<br>Oil Co.                                 | , Inc.   |                   |  |              |  |           |   |             |                        | Well Number                          |
| asper Ranch Morrow DCP Midstream Drampletion Date Dobby Stop Stop Stop Stop Stop Stop Stop Stop   |  |  |  |                   |  |              |  | •         | W)  |             |                        |                                      |
| September   Sept  | Field<br>Harper Ranch                            |  |  |                   |  |              |  |           |   |             |                        |                                      |
| 1/2   9.5#   4.090"   5655   5532"   5564'     bibling Size   Weight   Internal Diameter   Set at   Perforations   NA     3/8"   4.7#   1.355"   5565   NA   NA     per Completion (Describe)   Type Fluid Production   Pump Unit or Traveling Plunger?   Yes / No     pump Unit or Traveling Plunger?   Yes / No     NA   NA   NA   NA   NA     NA   NA  | Completion Date 2-20-62                          |  |  |                   |  |              |  |           |   |             |                        | •                                    |
| Signature   Started   Started   Started   Started   Pressure   P  | •  |  |  |                   |  | Diameter     |  |           |   |             | - ·                    |                                      |
| Ingle Zone-Morrow  Water Pumping Unit  X  Oducing Thru (Annulus / Tubing)  % Carbon Dioxide  % Nitrogen  Gas Gravity - G,  00.00  00.00  .664  Secure Buildup: Shut in  6-26  20 12 at 09:00  AM) (PM) Taken 6-27  20 12 at 09:00  AM) (PM) Taken  20 at (AM) (PM) Taken  20 at (AM) (PM) Taken  Countries  Pressure Taps  Observed Surface Data  Observed Pressure  (Inches)  Addition  Flowing  Tubing  |  |  |  | ht                |  | Diameter     |  |           |   |             |                        |                                      |
| The undersigned authority, on behalf of facts stated therein, and that said report is true and correct. Executed this the 27 day of June 100.00    Well reads (June)    Well read  |  |  |  |                   |  | d Production | 1  | ·         |   |             |                        | / No                                 |
| Pressure Taps  (Meter Run) (Prover) Size  assure Buildup: Shut in 6-26  20 12 at 09:00  (AM) (PM) Taken 6-27  20 12 at 09:00  (AM) (PM)  Buildup: Shut in 6-26  20 12 at 09:00  (AM) (PM) Taken 6-27  20 12 at 09:00  (AM) (PM)  Buildup: Started   | Producing Thru (Annulus / Tubing) Annulas        |  |  |                   |  |              |  |           |   |             | avity - G <sub>g</sub> |                                      |
| Plate Continent (F <sub>1</sub> )(F <sub>2</sub> ) Prossure point (F <sub>2</sub> )(F <sub>3</sub> ) Prossure point (F <sub>3</sub> )(F  |  | epth(H)                                      |  |                   |  | Pres         | sure Taps  |           |   |             | (Meter F               | Run) (Prover) Size                   |
| OBSERVED SURFACE DATA  OBSERVED SURFACE DATA  Duration of Shut-in 24 Hours  Corrice one Meter Meter (inches) Pressure in Inches H₁0 Flowing Psig (Pm) Inches H₁0   | 5656'  | Buildun                                      | Shut in 6-2  | 26 ,              | , 12 , 0                               | 9:00         | (AM)(PM) T   | -akan 6-  | -27   | 20          | 12 at 09:00            | (AM) YPM)                            |
| Static   Orifice   Meter   Meter   Orifice   Meter   Orifice   Meter   Orifice   Meter   Orifice   Orifice   Orifice   Meter   Orifice  |  | ·  |  |                   |  |              |  |           |   |             |                        |                                      |
| Mater properly (inches) Size properly (inches) Prover Pressure prover Pressure price (P <sub>x</sub> ) or (P <sub>y</sub>  |  | **   |  |                   |  | OBSERVE      | D SURFACE  | DATA      |   |             | Duration of Shut-      | in 24 Hours                          |
| Flow STREAM ATTRIBUTES  Plate Coefficient (F <sub>2</sub> ) (F <sub>2</sub> ) (F <sub>3</sub> ) (F <sub>3</sub> ) (Cubic Feet) (Feet) (F <sub>4</sub> ) (F <sub>3</sub> ) (F <sub></sub>  | Static /<br>Dynamic<br>Property                  | Static / Orifice ynamic Size recent (inches) |  | Differential in   | Temperature Temperature                |              | Wellhead Pressure<br>(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) |           | Wellhead Pressure<br>(P <sub>w</sub> ) or (P <sub>c</sub> ) |             |                        | 1 '                                  |
| FLOW STREAM ATTRIBUTES  Plate Coefficient (F <sub>2</sub> ) (F <sub>p</sub> )  Prover Pressure psia Prover Pressure Psactor Factor Factor Factor Factor Factor Factor Factor Factor Factor Psactor Psa  | Shut-In  |  |  |                   |  |              |  |           |   |             |                        |                                      |
| Plate Coefficient (F <sub>3</sub> )(F <sub>2</sub> ) Moder or Prover Pressure pia a (P <sub>2</sub> ) <sup>2</sup> = (P <sub>2</sub> ) <sup>2</sup> = (P <sub>2</sub> ) <sup>2</sup> - P <sub>2</sub> - P <sub>3</sub> (P <sub>2</sub> ) <sup>2</sup> - P <sub>3</sub> (P <sub>3</sub> ) <sup>3</sup>   | Flow   | · · · · · · · · · · · · · · · · · · ·        |  |                   |  | <u> </u>     |  |           |   |             |                        |                                      |
| Coefficient (F <sub>p</sub> ) (F <sub>p</sub> ) Prover Pressure psia Prover Pressure psia Prover Pressure psia Psia Psia Psia Psia Psia Psia Psia P   |  |  | Circle one:  | T                 | 1                                      | FLOW STR     |  | UTES      |   |             |                        |                                      |
| Choose formular for 2:  (P <sub>o</sub> ) <sup>2</sup> -(P <sub>p</sub> ) <sup>2</sup> (P <sub>c</sub> )   | Coeffieci  | ent<br>,) /                                  | Meter or<br>Prover Pressure                                  | Extension         | Fac                                    | tor T        | emperature<br>Factor   | Factor    |   | R           | (Cubic Fe              | et/ Fluid Gravity                    |
| Choose formular for 2:  (P <sub>o</sub> ) <sup>2</sup> -(P <sub>p</sub> ) <sup>2</sup> (P <sub>c</sub> )   |  |  |  |                   |  |              |  |           |   |             |                        |                                      |
| Choose formula 1 or 2:  1. P <sub>c</sub> <sup>2</sup> · P <sub>c</sub> 2. P <sub>c</sub> <sup>2</sup> · P <sub>w</sub> divided by: P <sub>c</sub> <sup>2</sup> · P <sub>w</sub> Den Flow  Mcfd © 14.65 psia  Deliverability  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 facts stated therein, and that said report is true and correct. Executed this the 27 day of Witness (if any)  Mitness (if any)  Choose formula 1. Or 2.  1. P <sub>c</sub> <sup>2</sup> · P <sub>c</sub> <sup>2</sup> 1. P <sub>c</sub> <sup>2</sup> · P <sub>c</sub> <sup>2</sup> LOG of formula 1. Or 2.  Assigned Standard Slope  N x LOG  Antilog  Antilog  Open Flow  N x LOG  Antilog  Antilog  Open Flow  Antilog  Open Flow  Slope = "n"  Assigned  Standard Slope  N x LOG  Antilog  Antilog  Open Flow  Deliverability  Equals R x Antilog  (Mcfd)  Mcfd © 14.65 psia  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 facts stated therein, and that said report is true and correct. Executed this the 27 day of Ser Company  Witness (if any)  Witness (if any)  | D \2 _   |  | /D \2 -  | _                 | •                                      | • •          | •  |           |   |             | •                      |                                      |
| (P <sub>c</sub> ) <sup>2</sup> - (P <sub>g</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> (P <sub>g</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> (P <sub>g</sub> | <u></u>  | <del></del>                                  |  |                   |  | <u></u>      | T  |           |   | ·           | (F <sub>d</sub> )      |                                      |
| Den Flow Mcfd © 14.65 psia Deliverability Mcfd © 14.65 psia  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 facts stated therein, and that said report is true and correct. Executed this the 27 day of Witness (if any)  Witness (if any)  For Company  RECEIV   | $(P_o)^2 - (P_d)^2$<br>or<br>$(P_o)^2 - (P_d)^2$ |  | 2. P <sub>c</sub> <sup>2</sup> · P <sub>d</sub> <sup>2</sup> |                   | formula 1. or 2.  and divide   p 2 p 2 |              | Slope = "n"<br>or<br>Assigned  |           |   |             | Antilog                | Deliverability<br>Equals R x Antilog |
| 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 facts stated therein, and that said report is true and correct. Executed this the 27 day of June 20 12  Witness (if any)  Witness (if any)   |  |  |  | - C W             |  |              |  |           |   |             |                        |                                      |
| 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 facts stated therein, and that said report is true and correct. Executed this the 27 day of June 20 12  Witness (if any)  Witness (if any)   |  |  |  |                   |  |              |  |           |   |             |                        |                                      |
| facts stated therein, and that said report is true and correct. Executed this the 27 day of June , 20 12  Witness (if any) For Company RECEIV   | Open Flov  | N  |  | Moto @ 14         | .65 psia                               |              | Deliverabili   | ty        |   |             | victa 69 14.65 psi     | <u>a</u>                             |
| Witness (if any)  Witness (if any)  For Company  RECEIV   |  | •  | •  |                   |  |              | -  |           |   |             | t and that he ha       | _                                    |
|   | ie (dela 3)                                      | CLOU UIS                                     | ioni, and mats   | ala report is tiu | c and combe                            |              |  |           | (<br>   | 17 T        | al-ti                  |                                      |
|   |  |  | Witness  | (if any)          |  |              |  |           |   | For C       | ompany                 | RECFIVE                              |
|   |  |  |  |                   |  |              |  |           |   |             |                        | JUL 02                               |

| exempt status under Rule K.A.R. 82-3-304 on behalf and that the foregoing pressure information and st | ws of the state of Kansas that I am authorized to request of the operator Hartman Oil Co.  atements contained on this application form are true and dupon available production summaries and lease records |
|---|--|
|   | tion or upon use being made of the gas well herein named.  |
| gas well on the grounds that said well:   |  |
| is on vacuum at the present time is not capable of producing at a                                     | ction into an oil reservoir undergoing ER; KCC approval Docket Nodaily rate in excess of 250 mcf/D  y any and all supporting documents deemed by Commission  |
|   | AT Wiletur   |

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.

JUL 0 2 2012

KCC WICHITA