KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test | t: | | | | (| See Instruct | lions on Rev | erse Side |) | | | |
|---|---------------|---|---|--|---|-------------------------------------|--|---|---|--|------------------------------|---|
| Open Flow | | | | | Test Date: API No. 15 | | | | | | | |
| De | eliverabi | lty | | | 04/27/20 | | | | | .071-20859-(| 0000 | |
| Company | | ју С | io. | • | | | Lease Shelton | | | | No. 2 | Well Number X |
| County Location Greeley NW, SW | | | Section 36 | | TWP 17S | RNG (E/W) 40W | | | Acres Attributed | | | |
| Field Byerly | | | Reservoir Towanda / Ft. Riley | | | Gas Gathering Connect DCP Midstream | | | ection | | | |
| Completion Date 06/19/2007 | | | | | Plug Back Total Depti 3060 | | th | Packer Set at NA | | Set at | | |
| Casing Size 4 1/2" | | | Weight 10.5 | | Internal Diameter | | Set at 3083 | | Perforations 2928 | | то 2982 | |
| Tubing Size Weight 2 3/8" 4.7 | | | | Internal C | Diameter | Set at 3004 | | Perforations | | То | | |
| Type Completion (Describe) Single | | | Type Fluid Production Salt Water | | | | Pump U Pump | nit or Traveling ing unit | Plunger? Yes / No | | | |
| Producing Thru (Annulus / Tubing) Annulus | | | | % C | % Carbon Dioxide | | | % Nitrogen | | Gas Gr | Gas Gravity - G _g | |
| Vertical D | Depth(H |) | | | | Pres | sure Taps | | | | (Meter I | Run) (Prover) Size |
| Pressure | Buildup |): | Shut in04/2 | 26 2 | 0 11 at 1 | 0:00 | (AM) (PM) | Taken04 | 1/27 | 20 | 11 at 10:00 | (AM) (PM) |
| Well on L | .ine: | ; | Started | 2 | 0 at | | (AM) (PM) | Taken | | 20 | at | (AM) (PM) |
| | | | | | | OBSERVE | D SURFACE | DATA | | | Duration of Shut- | in Hours |
| Static / Dynamic Property | Dynamic Size | | Gircle one: Meter Prover Pressui psig (Pm) | Pressure Differential in Inches H ₀ 0 | Flowing Temperature t | Well Head Temperature t | mperature (P _w) or (P _t) | | Wellhe | Tubing ead Pressure r (P ₁) or (P ₆) | Duration (Hours) | Liquid Produced (Barrels) |
| Shut-In | | - | poig (i iii) | mones 11 ₂ 0 | | | psig 22 | psia | psig | psia | | |
| Flow | | | | | | | | | | | | |
| | 1 | | _ | | 1 | FLOW STR | EAM ATTRI | BUTES | | | | |
| Plate Coefficcient (F _b) (F _p) Mcfd | | | Circle one: Meter or ver Pressure psia | Press Extension P _m x h | Gravity Factor F _g | | Temperature Fa | | viation Metered Flow actor R F _{pv} (Mcfd) | | (Cubic Fe Barrel) | Genuitu |
| L | | | | | (ODEN EL | OW) (DELIN | ERABILITY) | CALCIII | ATIONS | | | |
| (P _e) ² = | - | _: | (P)² =_ | <u> </u> | P _d = | _ | | · 14.4) + | | : | - | 2 = 0.207 2 = |
| $(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$ | | (P _e)² - (P _w)² | | 1. P _c ² - P _d ² 2. P _c ² - P _d ² (vided by: P _c ² - P _d ² | LOG of formula 1, or 2, and divide | formula 1, or 2, and divide p2_p2 | | Backpressure Curve Stope = "n" or Assigned Standard Stope | | roe | Antilog | Open Flow Delivorability Equals R x Antilog (Mcfd) |
| | | | | | | | | | | | | |
| Open Flor | | | | Mcfd @ 14. | 65 psia | | Deliverabil | itv | | | Mcfd ② 14.65 psi | <u> </u> |
| · i | | 1000 | L nuthosity on | | · · · · · · · · · · · · · · · · · · · | | | | | | | |
| | | | | d report is true | | | | norized to | 1 | anuary | rt and that he ha | s knowledge of 20 12 |
| | | | | | | RECEI | VED | / | , , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | مر ہے۔ | - | |
| | | | Witness (if | | | JAN 13 | _ | - <i>US</i> | auc | Y CFORD | ompany 9 | |

| | ty of perjury under the laws of the state of Kansas that I am authorized to request K.A.R. 82-3-304 on behalf of the operator Cimarex Energy Co. |
|---|---|
| correct to the best of my ki | essure information and statements contained on this application form are true and nowledge and belief based upon available production summaries and lease records and/or upon type of completion or upon use being made of the gas well herein named. -year exemption from open flow testing for the Shelton No. 2X at said well: |
| is cycle is a sol is on va is not c I further agree to supp | albed methane producer and on plunger lift due to water arce of natural gas for injection into an oil reservoir undergoing ER accuum at the present time; KCC approval Docket No apable of producing at a daily rate in excess of 250 mcf/D ally to the best of my ability any and all supporting documents deemed by Commission aborate this claim for exemption from testing. |
| Date: 01/11/2012 | RECEIVED JAN 1 3 2012 KCC WICHITA Signature: Administrative Assistant |

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.