KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

| Type Test | t: | | | | (| See instruct | ions on Hevi | erse Siae | 7 | | | | |
|--|-------------------|--------|--|---|---|---|---|---|---------------------|--|--------------------------------|------------------|--|
| Op | en Flo | w | | l 1 | , Test Date |): | | | | No. 15 | | | |
| De | liverat | | Hr.Su | ut Intes | 11/30/14 | 4 | | | 15- | 077-21563- | | | |
| Company America | / | | | | | | Lease Bertha | an-21ang | | | #1-29 | Vell Nu | mber |
| County Harper | | | Locat C-S/2- | | Section 29 | | TWP 32\$ | | RNG (E/ | W) | | Acres A | Attributed |
| Field Crystal S | Spring | ıs So | outheast | | Reservoir Mississi | | | | | hering Conn | ection Thering | | |
| Completion 10/10/06 | | te | | | Plug Bac 4617' | k Total Dept | h | | Packer S | Set at | ් ව | | |
| Casing S | ize | | Weigl 15.5 | nt | Internal E 4.950 | Diameter | Set at 4625 | | Perfo 439 | rations R' | To 4402' | | |
| Tubing Si | ize | - | Weight 4.70 | nt | Internal E | Diameter | Set at 4400 | - | | rations | То | | |
| Type Con | | n (D | | | Type Flui | d Production | <u></u> | | Pump Ur | nit or Traveling | Plunger? Yes | / No | |
| | | (Anı | nulus / Tubin | n) | | arbon Dioxí | | | % Nitrog | en | Gas Gra | avity - C | 3 |
| tubing | 9 | (7 411 | 11000 7 1000 | 9/ | | | | | | | | , | - g |
| Vertical D | Pepth(l | ٦) | | | | Pres | sure Taps | | | | (Meter F | Run) (P | rover) Size |
| Pressure | Buildu | ıp: | Shut in 11 | /30 2 | 14 at 1 | 2:52PM | (AM) (PM) | Taken_11 | /31 | 20 | 14 at 12:38F | M (| (AM) (PM) |
| Well on L | .ine: | | Started | 2 | 0 at | | (AM) (PM) | Taken | - | 20 | al | (| (AM) (PM) |
| | | | | | | OBSERVE | D SURFACE | DATA | | | Duration of Shut- | _n _24 | Hours |
| Static / Dynamic | Orif Siz | - | Circle one: Meter Prover Press | Pressure Differential ure in | Flowing Temperature | Well Head Temperature | Casir Wellhead F | ressure | Wellhe | fubing ad Pressure | Duration (Hours) | | d Produced Barrels) |
| Property | (inch | ies) | psig (Pm) | Inches H ₂ 0 | t | t | (P _w) or (P ₁) | psia_ | psig | r (P ₁) or (P _c) psia | Recei | ved | , i |
| Shut-In | | | | | | | 250 | | | | KANSAS CORPORAT | | Ì |
| Flow | | | | | | | 60 | | | | DEC | 5 20 | 14 |
| | | | | | | FLOW STR | EAM ATTRII | BUTES | | | CONSERVATION WIGHT | | SION |
| Plate Coeffiec (F _b) (F Mofd | ient ,) | Pro | Circle one: Meter or over Pressure psia | Press Extension ✓ P _m xh | Grav Fact | tor 1 | Flowing Temperature Factor F ₁₁ | Fa | lation ctor r | Metered Flov R (Mcfd) | | | Flowing Fluid Gravity G _m |
| | | | | | | | | | | | | | |
| | | | | | (OPEN FL | OW) (DELIV | ERABILITY) | | | | (P _a) ² | = 0.2 | :07 |
| (P _c) ² = | | =: | (P _w) ² = | :: | P _d = | ······································ | % (Р _с | - 14.4) + | 14.4 = | | (P _d) ⁵ | : = | |
| (P _c)²- (I or (P _c)²- (I | P _a)² | (F | P _c) ² - (P _w) ² | 1. P _c ² -P _d ² 2. P _c ² -P _d ² | LOG of formula 1. or 2. and divide | P _c ² - P _* ² | Slope | sure Curve e = "n" or gned rd Slope | n x | LOG | Antilog | Del Equals | pen Flow iverability R x Antilog (Mcfd) |
| | | | | divided by: $P_c^2 - P_w$ | | <u> </u> | | - Clope | | | | | - |
| | | | | | | | | - | | | | | |
| Open Flo | w | | | Mcfd @ 14. | .65 psia | | Deliverabil | ity | | | Mcfd @ 14.65 psi | a | |
| The | unders | igned | d authority, c | n behalf of the | Company, s | states that h | e is duly aut | | | = | ort and that he ha | s know | ledge of |
| the facts s | tated t | herei | n, and that s | aid report is tru | e and correc | t. Executed | this the 11 | Market | day of _D | ECEMBER | <u>/</u> | | 20 14 . |
| | | | Witness | if any) | to otherwise to accomp | | | | | _ Su V ^{For 0} | Wey Company | يحا | - |
| | | | For Com | nission | | | _ | | | <u></u> | LKellu | alı | 4 |

| is cycled on plunger lift due to water | CONSERVATION DIVISION WICHITA, KS n oil reservoir undergoing ER |
|--|---|
| is a coalbed methane producer | CONSERVATION DIVISION WICHITA, KS |
| gas well on the grounds that said well: (Check one) | Received KANSAS CORPORATION COMMISSION DEC 15 2014 |

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.