KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test: | | | (| See Instruc | tions on Rev | erse Side |) | | | , |
|--|---|--|--|--------------------|---|---|--|---|---------------------------------------|---|
| Open Flor | Open Flow | | | | | | | | • | |
| ✓ Deliverab | | Test Date: 01/16/2014 - 01/17/2014 | | | | API No. 15 15-145-21594-00-00 | | | | |
| Company F.G. Holl Com | ompany .G. Holl Company, L.L.C. | | | | Lease NUSS | | | | Well Number 1-12 | |
| County Pawnee | · · | | Section | | TWP 21S | | RNG (E/W) | | Acres Attributed | |
| Field Wildcat | | | | e | ī | | | thering Conne as Gathering I | | ; |
| Completion Date 10/20/2009 | | | Plug Bac 3958 | k Total Dept | h , | Packer Set at None | | Set at | , | |
| Casing Size 5.5" | ve Weight 15.5# | | Internal Diameter | | Set at 3973' | | Perforations 3788' | | то 3794' | |
| Tubing Size 2.8750' | Weight 4.7# | | Internal Diameter | | Set at 3788' | | Perforations | | То | |
| Type Completion Singe (gas) | (Describe) | The state of the s | Type Flui SW | d Production | ı · | | Pump U No | nit or Traveling | Plunger? Yes | / No |
| Producing Thru (Annulus / Tubing) Tubing | | | | | de | 4 | % Nitrogen 5.88 | | Gas Gravity - G _g 0.637 | |
| Vertical Depth(H |) | 1, 21 | 1 . | Pres | sure Taps | | | | | Run) (Prover) Size |
| | 2000 | | | | | | | •••• | | |
| Pressure Buildup | o: Shut in 01/1 | 6/2014 20 | ı aı | | (AM) (PM) | | | | | (AM) (PM) |
| Well on Line: | Started U1/1 | 7/2014 20 | at | .00 | (AM) (PM) | Taken 01 | /17/20 | 14 20 | at | (AM) (PM) |
| | | | | OBSERVE | D SURFACE | DATA | | | Duration of Shut- | n 24 Hours |
| Static / Onfice Meter Dynamic Size Prover Pressure Property (inches) | | e in | Flowing Well Head Temperature t t | | : (P _w) or (P _t) or (P _c) | | Tubing Wellhead Pressure $(P_w) \text{ or } (P_t) \text{ or } (P_c)$ | | Duration (Hours) | Liquid Produced (Barrels) |
| Shut-In | psig (Pm) | Inches H ₂ 0 | | | psig 1060 | psia | psig | psia | | |
| Flow | | | | | 840 | | | | | |
| | | | | FLOW STR | EAM ATTRI | BUTES | | | | |
| Plate Circle one: Coefficient Meter or Prover Pressure Mctd psia | | Press Grav Extension Fact ✓ P _m x h F ₀ | | Tame and an Arrest | | Deviation Factor F _{pv} | | Metered Flow R (Mcfd) | GOR (Cubic Fer Barrel), | eV Fluid |
| | | | | | | | | , . | | |
| | | | (OPEN FL | OW) (DELIV | ERABILITY) | | | | | = 0.207 |
| (P _c) ² = | _: (P _w) ² =_ | : | . P _d = | 9 | % (P _c | - 14.4) + | 14.4 = | *************************************** | (P _d) ² | = |
| $(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_a)^2$ | (P _c) ² - (P _w) ² | Choose formula 1 or 2: 1. $P_c^2 - P_b^2$ 2. $P_c^2 - P_d^2$ Avided by: $P^2 - P_d^2$ | LOG of . formula 1. or 2. and divide by: | P.2 - P.2 | Slope (Assi | sure Curve e = "n" or gned rd Slope | nx | LOG | Antilog | Open Flow Deliverability Equals R x Antilog (Mcfd) |
| | | | Lidence Scil Acti | | | | 4 - 4-2- | | na (la Maria de | |
| | | , , , | | | | | | | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Open Flow Mcfd @ 14. | | | 65 psia | | Deliverability | | | Mcfd @ 14.65 psia | | |
| | gned authority, on erein, and that sai | d report is true | | t. Executed | this the | gth. | | Hand | and that he had | s knowledge of |
| | Witness (if | Salation of | | | CC WI | | 4 | ← For Co Check | mpany ed by | · · · |

| | er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator F.G. Holl Company, L.L.C. | | | | | | | |
|---------------------|---|--|--|--|--|--|--|--|
| and that the foreg | oing pressure information and statements contained on this application form are true and | | | | | | | |
| correct to the best | of my knowledge and belief based upon available production summaries and lease records | | | | | | | |
| | llation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for theNUSS 1-12 | | | | | | | |
| | ounds that said well: | | | | | | | |
| (Check | one) | | | | | | | |
| | 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 not capable of producing at a daily rate in excess of 250 mcf/D | | | | | | | |
| | to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing. | | | | | | | |
| Date: 01/29/2014 | · | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | Signature: Loveness mpaye | | | | | | | |
| | Title: Petroleum Geologist | | | | | | | |
| • | | | | | | | | |
| | | | | | | | | |

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.

KCC WICHITA

JAN 3 0 2014