Form G-2
July 2014

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

Type Test:
- [ ] Open Flow
- [x] Deliverabilty

Test Date: 9/30/2015

API No. 15: 15-113-20,438-0000

Company	Lease	Well Number
D & R Well Service, Inc.	Nightingale	1

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
McPherson	NE SW SE	13	20S	02W	

Field	Reservoir	Gas Gathering Connection
Ritz Canton	Mississippi	American Energies Pipeline

Completion Date	Plug Back Total Depth	Packer Set at
6-3-1977	3025	None

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
5 1/2	15#	4.974	3429	2930	2984

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2 3/8	4.7#	1.995	3018	3002	3005

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger? Yes / No
Single	Salt Water	Pumping Unit

Producing Thru (Annulus / Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity - G_g
Tubing Annulus	.1029	6.3029	.6795

Vertical Depth(H)	Pressure Taps	(Meter Run) (Prover) Size
3022 Plugged back from 3430	Flange	Meter run 2"

Pressure Buildup: Shut in 9/30 20 15 at 8:45 am (AM) (PM) Taken 10/1 20 15 at 9:00 am (AM) (PM)

Well on Line: Started 10/1 20 15 at 9:00 am (AM) (PM) Taken ____ 20 ____ at ____ (AM) (PM)

OBSERVED SURFACE DATA Duration of Shut-in ____ Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H_2O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Casing Wellhead Pressure psia	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Tubing Wellhead Pressure psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In	.250	Meter				78#	93#	77#	92#	24 hours	10
Flow											

FLOW STREAM ATTRIBUTES

Plate Coeffiecient (F_b) (F_p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m x h}$	Gravity Factor F_g	Flowing Temperature Factor F_{ft}	Deviation Factor F_{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G_m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2$ = ____ : $(P_w)^2$ = ____ : P_d = ____ % $(P_c - 14.4) + 14.4$ = ____ : $(P_a)^2$ = 0.207 $(P_d)^2$ = ____

$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by: $P_c^2 - P_w^2$	Backpressure Curve Slope = "n" or Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)

Open Flow ____ Mcfd @ 14.65 psia Deliverability **Deliverability** Mcfd @ 14.65 psia **6 mcfd**

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 the facts stated therein, and that said report is true and correct. Executed this the 1 day of October, 20 15.

Witness (if any)

D&R Well Service Inc.
For Company

For Commission

Douglas Ward
Checked by

Received
KANSAS CORPORATION COMMISSION
OCT 15 2015
CONSERVATION DIVISION
WICHITA, KS

Form G-2
(Rev. 7/03)

I declare under penalty of 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 D & R Well Service, Inc and that the foregoing 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 of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.

I hereby request a one-year exemption from open flow testing for the Nightingale gas well on the grounds 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. _____
- [x] is not capable of producing at a daily rate in excess of 250 mcf/D

I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.

Date: 10/5/2015

Received
KANSAS CORPORATION COMMISSION
OCT 15 2015
CONSERVATION DIVISION
WICHITA, KS

Signature: Douglas Ward

Title: President

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.