Form G-2 (Rev 7/03)

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side) Type Test: Open Flow Test Date: API No. 15 1518521450000 Deliverability June 21, 2011 Company Lease Well Number #3 Castelli Exploration, Inc. Aiken County Location TWP RNG (E/W) Section Acres Attributed Stafford NE NE NE **25S** 15W 6 Field Reservoir Gas Gathering Connection Lumen Energy Farmington Howard Completion Date Plug Back Total Depth Packer Set at 1/03/02 3258' Casing Size Weight Internal Diameter **Parforations** Τo Set at 4 1/2" 3294 3154 3152 **Tubing Size** Weight Internal Diameter Set at Perforations To 2 3/8" 3149 3152 3154 Type Completion (Describe) Type Fluid Production Pump Unit or Traveling Plunger? Yes / No Single Gas Perfed & Frac Zone Saltwater **Pumping Unit** Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - G **Annulus** Vertical Depth(H) Pressure Taps (Meter Run) (Prover) Size at\_8:00 20 11 20 11 at 8:00 June 20 June 21 \_\_ (AM) (PM) Taken Pressure Buildup: Shut in (AM) (PM) Well on Line: 20 \_\_\_ at \_\_\_ 20 \_\_\_ at \_\_\_ (AM) (PM) Started \_ (AM) (PM) Taken **OBSERVED SURFACE DATA** Duration of Shut-in Hours Circle one Pressure Tubing Static / Orifice Flowing Well Head Liquid Produced Malar Differential Wellhead Pressure Wellhead Pressure Duration Sizo Dynamic Temperature Temperature Prover Pressure  $(P_{\star})$  or  $(P_{i})$  or  $(P_{c})$ (Hours) (Barrols)  $\{P_w\}$  or  $(P_i)$  or  $(P_c)$ Property (inches) ; psig (Pm) Inches H<sub>2</sub>0 psig psia Shut-In 160.4 146 Flow **FLOW STREAM ATTRIBUTES** Plate Flowing Flowing Press Gravity Deviation Metered Flow GOR Meter or Coeffiecient Temperature Fluid Extension Factor Factor (Cubic Feet/ (F<sub>b</sub>) (F<sub>p</sub>) Mold Prover Pressure Gravity Factor Pan Fpv (Mcfd) Barrel)  $F_{ij}$ psia G\_ (OPEN FLOW) (DELIVERABILITY) CALCULATIONS  $(P_a)^2 = 0.207$  $(P_c - 14.4) + 14.4 =$ Backpressure Curve Open Flow (P<sub>a</sub>)<sup>2</sup> - (P<sub>a</sub>)<sup>2</sup> (P\_)2 - (P\_)2 1. P2-P2 LOG of Slope = "n' n x LOG Deliverability formula Antiloa 2. P.z. P.z Equals R x Antilog (P<sub>x</sub>)<sup>2</sup> - (P<sub>x</sub>)<sup>2</sup> Assigned P.2. P.2 (McId) vided by P2-P Standard Slope Open 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 day of August the facts stated therein, and that said report is true and correct. Executed this the 19th Witness (if any) RECEIVED

For Commission

**KCC WICHITA** 

SEP 2 1 2011

Checked by

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 Castelli Exploration, 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 Aiken #3  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.  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: _08/19/11
Signature:

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 résults.

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