## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

RECEIVED

(See Instructions on Reverse Side) Type Test: JUL 1 9 2010 Open Flow API No. 15 Test Date: ✓ Deliverability 023-20703 03/18/2010 Lease • Company 44-7 Petroleum Development Corp Feikert TWP Acres Attributed County Location Section RNG (E/W) 41W Cheyenne W2SESE 7 28 160 Gas Gathering Connection Reservoir PDC Eureka Gathering Cherry Creek Niobrara Completion Date Plug Back Total Depth Packer Set at 1607 ' n/a 12/13/2006 Perforations Casing Size Weight Internal Diameter Set at Tο 1494 1623 4 1482 4" 4.5" 10.5# Set at Perforations Tubing Size Weight Internal Diameter 1527 I 2.375" 4.75# 2" Type Fluid Production Pump Unit or Traveling Plunger? Yes / No Type Completion (Describe) **Brine Water** Yes, PU N2 Fracture Gas Gravity - G % Nitrogen Producing Thru (Annulus / Tubing) % Carbon Dioxide <1% <1% Annulus Pressure Taps (Meter Run) (Prover) Size Vertical Depth(H) 1639 ' 20 10 at 11:00am <sub>20</sub> 10 <sub>at</sub> 11:20am 03/18 03/19 (AM) (PM) Taken (AM) (PM) Shut in Pressure Buildup: Well on Line: \_\_\_\_\_ 20 \_\_\_\_ at \_\_\_\_\_ (AM) (PM) Taken\_ \_ 20 \_\_\_ at \_\_ (AM) (PM) Started \_ **OBSERVED SURFACE DATA** Duration of Shut-in Hours Circle one: Pressure Casing Tubing Orifice Flowing Well Head Static / Liquid Produced Duration Meter Differential Wellhead Pressure Wellhead Pressure Temperature Temperature Dynamic Size  $(P_w)$  or  $(P_1)$  or  $(P_c)$ (Hours) (Barrels) Prover Pressure  $(P_w)$  or  $(P_l)$  or  $(P_c)$ in Property (inches) psig (Pm) Inches H<sub>2</sub>0 psia psig psia psia Shut-In 115 Flow FLOW STREAM ATTRIBUTES Flowing Circle one: Flowing Plate Press GOR Gravity Deviation Metered Flow Meter or Temperature Fluid Coeffiecient Extension (Cubic Feet/ Factor Factor Prover Pressure Factor Gravity  $(F_h)(F_n)$ ✓ P<sub>m</sub>xh F  $F_{pv}$ (Mcfd) Barrel)  $G_{m}$ psia F, Mcfd (OPEN FLOW) (DELIVERABILITY) CALCULATIONS  $(P_a)^2 = 0.207$  $(P_d)^2 =$  $(P_c - 14.4) + 14.4 =$  $(P_c)^2 =$ Backpressure Curve Open Flow LOG of (P<sub>x</sub>)<sup>2</sup> - (P<sub>x</sub>)<sup>2</sup> (P<sub>c</sub>)<sup>2</sup> - (P<sub>w</sub>)<sup>2</sup> 1. P.2-P.2 Slope = "n" Deliverability n x LOG formula Antilog 1. or 2. and divide 2. P.2 - P.2 Equals R x Antilog  $(P_{-})^{2} - (P_{-})^{2}$ Assigned P<sub>c</sub><sup>2</sup> - P<sub>w</sub><sup>2</sup> (Mcfd) divided by: P2-P2 Standard Slope Mcfd @ 14.65 psia Open Flow Mcfd @ 14.65 psia Deliverability 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 \_\_\_\_\_ 2010 hatlul For Company Witness (if any) Checked by For Commission

## JUL 1 9 2010

## KCC WICHITA

I declare ur	nder penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status u	nder Rule K.A.R. 82-3-304 on behalf of the operator Petroleum Development Corp
	egoing pressure information and statements contained on this application form are true and
correct to the be	est of my knowledge and belief based upon available production summaries and lease records
• •	stallation and/or upon type of completion or upon use being made of the gas well herein named.
	uest a one-year exemption from open flow testing for the Feikert 44-7
gas well on the	grounds that said well:
(Che	ck 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
<b>▼</b>	is not capable of producing at a daily rate in excess of 250 mcf/D
_	ree to supply to the best of my ability any and all supporting documents deemed by Commissio
staff as necess	ary to corroborate this claim for exemption from testing.
Date: <u>07/13/20</u>	<u>10</u>
	Signature: how tills
	Title: Area Supervisor

## 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.