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

Open Flow   Test Date:
Deliverability
Caerus WashCo LLC
Cheyenne         NENWSE         5         5S         40W         160           Field Cherry Creek         Reservolr Niobrara         Gas Gathering Connection DRURY GATHERING         Plug Back Total Depth 1533'         Packer Set at N/A           Completion Date 3/12/2008         Plug Back Total Depth 1533'         Packer Set at N/A           Casing Size Weight 10.5# 4"         Internal Diameter Set at 1559'         Perforations 1400'           Tubing Size Weight 2.375"         Internal Diameter Set at 2.375"         Perforations 150         To 1421'           Type Completion (Describe) N2 Fracture         Type Fluid Production Brine Water         Pump Unit or Traveling Plunger? Yes / No Yes, PU - Producing Thru (Annulus / Tubing)         % Carbon Dioxide % Nitrogen Gas Gravity - Ga Annulus         Set at Yes, PU - Pressure Taps         (Meter Run) (Prover) Size           Vertical Depth(H) Pressure Buildup: Shut in 4/24 20 13 at 8:25AM (AM) (PM) Taken 4/25 20 13 at 8:53AM (AM) (PM)         AM) (PM) Taken 4/25 20 13 at 8:53AM (AM) (PM)
Cherry Creek         Niobrara         DRURY GATHERING           Completion Date 3/12/2008         Plug Back Total Depth 1533'         Packer Set at N/A           Casing Size 4.5"         Weight 10.5#         Internal Diameter Set at 1559'         Perforations 1400'           4.5"         10.5#         4"         1559'         1388'         1400'           Tubing Size 2.37.5"         Weight 2.37.5#         2"         1421'         To         1421'           Type Completion (Describe) N2 Fracture         Type Fluid Production Brine Water         Pump Unit or Traveling Plunger? Yes / No Yes, PU         Yes, PU            Producing Thru (Annulus / Tubing) Annulus         % Carbon Dioxide Yes, PU         % Nitrogen Gas Gravity - Gas G
Plug Back Total Depth   Packer Set at   3/12/2008   1533'   N/A
Casing Size         Weight 4.5"         Internal Diameter 559'         Set at 1559'         Perforations 1400'           Tubing Size         Weight 2.375"         Internal Diameter 5et at 2.375"         Perforations 7.5"         To 2.375"           Type Completion (Describe) N2 Fracture         Type Fluid Production Brine Water 7es, PU         Pump Unit or Traveling Plunger? 7es / No 7es, PU           Producing Thru (Annulus / Tubing) Annulus         % Carbon Dioxide 7es         % Nitrogen 7es         Gas Gravity - Gas 7es           Vertical Depth(H) 7essure Taps         Yes, PU         (Meter Run) (Prover) Size 7essure Buildup: Shut in 4/24         20 13 at 8:25AM (AM) (PM) Taken 4/25 20 13 at 8:53AM (AM) (PM)
Tubing Size
Type Completion (Describe)         Type Fluid Production Brine Water         Pump Unit or Traveling Plunger? Yes / No Yes, PU           Producing Thru (Annulus / Tubing)         % Carbon Dioxide % Nitrogen          Gas Gravity - G <sub>a</sub> Annulus         <1%
Producing Thru (Annulus / Tubing)         % Carbon Dioxide         % Nitrogen         Gas Gravity - Ga           Annulus         <1%
Vertical Depth(H)         Pressure Taps         (Meter Run) (Prover) Size           1585'         Pressure Buildup: Shut in 4/24         20 13 at 8:25AM (AM) (PM) Taken 4/25         20 13 at 8:53AM (AM) (PM)
1585' Pressure Buildup: Shut in 4/24 20 13 at 8:25AM (AM) (PM) Taken 4/25 20 13 at 8:53AM (AM) (PM)
Pressure Buildup: Shut in 4/24 20 13 at 8:25AM (AM) (PM) Taken 4/25 20 13 at 8:53AM (AM) (PM)
Well-on Line: Started 20at (AM) (PM) Taken20at(AM) (PM)
OBSERVED SURFACE DATA Duration of Shut-in Hours
Static / Orifice Circle one: Pressure Flowing Well Head Casing Tubing
Dynamic Size Moter Differential Temperature (P <sub>w</sub> ) or (P <sub>c</sub> ) or (P <sub>c</sub> ) or (P <sub>c</sub> ) or (P <sub>c</sub> ) (Hours) (Barrels)
psig (Pm) Inches H <sub>2</sub> U psig psia psig psia
Shut-in 137
Flow
_ FLOW STREAM ATTRIBUTES
Plate Circle one: Press Gravity Flowing Deviation Metered Flow GOR Flowing Coefficient Meter or Extension Factor Temperature Factor Flowing
Coefficient  (F <sub>b</sub> ) (F <sub>p</sub> )  Mcfd  Prover Pressure psia  Factor F <sub>g</sub> Mcfd  Factor F <sub>g</sub> Factor F <sub>g</sub> Mcfd  Mcf
With your Tri
(OPEN FLOW) (DELIVERABILITY) CALCULATIONS $(P_a)^2 = 0.207$ $(P_a)^2 = : (P_w)^2 = : (P_a)^2 = :$
(P)2-(P)2 (P)2-(P)2 1, P2-P2 LOG of Slope - 402 Open Flow
or 2. P <sup>2</sup> -P <sup>2</sup> 1. or 2. Antilog Boulet R x Antilog Fouls R x Antilog
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> Assigned  Standard Slope  (Mcfd)
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
the facts stated therein, and that said report is true and correct. Executed this the
San Bruta
Witness (if any) For Company KCC VVICHITA
For Commission Checked by APR 0 9 2014

	r 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 Caerus WashCo LLC
	ping 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 instal	liation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby reque	st a one-year exemption from open flow testing for the McCALL 33-5
	ounds that said well:
-	
(Check	
	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
$\checkmark$	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: 4/8/1	y
	<del></del>
	Signature:
-	Title: Operations Engineer -
	Tille,

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.

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