

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

(See Instructions on Reverse Side)

Type Test:
 Open Flow
 Deliverability

Test Date:
5/7/2014

API No. 15
15-025-21189 - 0000

Company Samson Resources Company		Lease Theis W		Well Number 2-5	
County Clarke	Location NENE SWNW	Section 5	TWP 35S	RNG (E/W) 25W	Acres Attributed
Field McKinney		Reservoir Chester	Gas Gathering Connection DCP Midstream		
Completion Date 10/9/1999		Plug Back Total Depth 6044	Packer Set at		
Casing Size 4.5	Weight 11.6	Internal Diameter 4.000	Set at 6099	Perforations 5840	To 5980
Tubing Size 2.375	Weight 4.7	Internal Diameter 1.995	Set at 5950	Perforations	To
Type Completion (Describe) Single		Type Fluid Production	Pump Unit or Traveling Plunger?	Yes / No No	
Producing Thru (Annulus / Tubing) Tubing		% Carbon Dioxide	% Nitrogen	Gas Gravity - Gg 0.65	
Vertical Depth (H) 6100		Pressure Taps Pipe		(Meter Run) (Prover) Size 3.068	
Pressure Buildup:	Shut-in <u>May-7</u>	20 <u>14</u> at	(AM/PM) Taken	<u>May-8</u>	20 <u>14</u> at (AM/PM)
Well on Line:	Started	20 at	(AM/PM) Taken		20 at (AM/PM)

OBSERVED SURFACE DATA										Duration of Shut-in _____ Hours	
Static / Dynamic Property	Orifice Size inches	Circle one: Meter or Prover Pressure psig	Pressure Differential in (h) Inches H2O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (Pw) or (Pt) or (Pc) psig psia		Tubing Wellhead Pressure (Pw) or (Pt) or (Pc) psig psia		Duration (hours)	Liquid Produced (Barrels)
Shut-in								150	164.4	24	
Flow											

FLOW STREAM ATTRIBUTES									
Plate Coefficient (Fb)(Fp) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension (Pm x Hw) ²	Gravity Factor Fg	Flowing Temperature Factor Ft	Deviation Factor Fpv	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity Gm	

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(Pa)² = 0.207

(Pc)² 27.027 (Pw)² = _____ Pd = _____ % (Pc-14.4)+14.4 = _____ (Pd)² = _____

(Pc) ² - (Pa) ² or (Pc) ² - (Pd) ²	(Pc) ² - (Pw) ²	$\left[\begin{matrix} Pc^2 - Pa^2 \\ Pc^2 - Pd^2 \\ Pc^2 - Pw^2 \end{matrix} \right]$	LOG $\left[\quad \right]$	Backpressure Curve Slope = "n" ---or--- Assigned Standard Slope	n x LOG $\left[\quad \right]$	ANTILOG	Open Flow Deliverability Equals R x Antilog Mcfd
				0.700			

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 23 day of

May 20 14
[Signature] SRC
For Company

Witness (if any)

KCC WICHITA

For Commission

Computer

Checked by

JUN 02 2014

7010-0780-0001-3731-1388

RECEIVED

I declare under penalty or 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 Samson Resources Company and that the foregoing information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon gas production records and records of equipment installation and/or type completion or upon use of the gas well herein named.

I hereby request a permanent exemption from open flow testing for the Thisis W 2-5 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 incapable of producing at a daily rate in excess of 250 mcf/D

Date: 5/23/2014

Signature: *D. K. Williams*
Title: *Gas Meas. Specialist*

Instruction All active gas wells must have at least an original G-2 form on file with the conservation division. If a gas well meets 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 obtain a testing exemption.

At some point during the succeeding calendar year, wellhead shut-in pressure shall be 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.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than thirty (30) days after the taking of the pressure reading. The form must be signed and dated on the front side as though it was a verified report of test results.

2014/05/23
D. K. WILLIAMS
GAS MEAS. SPECIALIST