

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test: (See Instructions on Reverse Side)

Open Flow
 Deliverability

Test Date: **5/16/2013** API No. 15
15-119-20485-0000

Company Samson Resources Company		Lease Adams		Well Number 2-22A	
County Meade	Location E/2 NENE	Section 22	TWP 34S	RNG (E/W) 29W	Acres Attributed
Field Unallocated		Reservoir Council Grove		Gas Gathering Connection ANR	
Completion Date		Plug Back Total Depth		Packer Set at	
Recomp. 7/19/93		3200			
Casing Size	Weight	Internal Diameter	Set at	Perforations	To
5.5	15.5	4.95	5406	3054	3058
Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2.37	4.7	1.995	3142		
Type Completion (Describe) Single (Casing Perforations)		Type Fluid Production None		Pump Unit or Traveling Plunger? Yes / No No	
Producing Thru (Annulus / Tubing)		% Carbon Dioxide		% Nitrogen Gas Gravity - Gg 0.6655	
Casing		Vertical Depth (H) 6550		Pressure Taps Flange (Meter Run) (Prover) Size 3.077	
Pressure Buildup:	Shut-in May-16	20 13 at	(AM/PM) Taken	May-17	20 13 at (AM/PM)
Well on Line:	Started	20 at	(AM/PM) Taken		20 at (AM/PM)

OBSERVED SURFACE DATA

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)		Tubing Wellhead Pressure (Pw) or (Pt) or (Pc)		Duration (hours)	liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						169	183.4			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

(Pc)2= _____ (Pw)2= _____ Pd = _____ % (Pc-14.4)+14.4= _____ (Pa)2= 0.207
(Pd)2= _____

(Pc)2 - (Pa) or (Pc)2 - (Pd)2	(Pc)2 - (Pw)2	$\left[\begin{matrix} Pc2 - Pa2 \\ Pc2 - Pd2 \\ Pc2 - Pw2 \end{matrix} \right]$	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
				0.885			

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 20th day of

May 20 13
[Signature]
SAMSON RESOURCES COMPANY
For Company

Witness (if any)

For Commission

Computer

Checked by

KCC WICHITA

MAY 22 2013

RECEIVED

7010-0780-0001-3731-1319


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 Adams 2-22A 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: 5/20/2013

Signature: 
Title: Gas Meas. Spec.

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.