

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

FORM G-2  
(Rev. 8/98)

TYPE TEST:

- Open Flow  
 Deliverability

TEST DATE: 2/7/2012

API No. 15-081-21919 - 0000

Company Strata Exploration		Lease Stapleton			Well Number 3-10	
County Haskell	Location 2388'FSL 363'FE		Section 10	TWP 30s	RNG (E/W) 32w	Acres Attributed 160
Field Diaden	Reservoir Chester		Gas Gathering Connection Regency			
Completion Date 10/8/10		Plug Back Total Depth 5648		Packer Set at none		
Casing Size 5.500	Weight 15.500	Internal Diameter 4.950	Set at 5648	Perforations 5360	To 5381	
Tubing Size 2.375	Weight 4.700	Internal Diameter 1.995	Set at 5357	Perforations	To	
Type Completion (Describe) Natural		Type Fluid Production none		Pump Unit or Traveling Plunger? no		
Producing Thru (Annulus/Tubing) tubing		% Carbon Dioxide 0.209		% Nitrogen 11.669		Gas Gravity- Gg 0.713
Vertical Depth (ft) 5370		Pressure Taps flange		Meter Run Size 3.068		
Pressure Buildup: Shut in		2/3/2012@1315		TAKEN	2/6/2012@1545	
Well on Line: Started		2/7/2012@1545		TAKEN	2/7/2012@1600	

**OBSERVED SURFACE DATA**

Static/ Dynamic Property	Orifice Size in.	Meter Pressure psig	Pressure Diff. In. H <sub>2</sub> O	Flowing Temp. t.	WellHead Temp. t.	Casing WellHead Press. (P <sub>w</sub> ) (P <sub>t</sub> ) (P <sub>c</sub> )		Tubing WellHead Press. (P <sub>w</sub> ) (P <sub>t</sub> ) (P <sub>c</sub> )		Duration (Hours)	Liquid Prod. Barrels
						psig	psia	psig	psia		
Shut-in						105	119	104	118	74.5	
Flow	1.750	13.1	1.90	40		2	16	57	71	24.2	

**FLOW STREAM ATTRIBUTES**

COEFFICIENT (F <sub>b</sub> ) Mcf/d	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR F <sub>g</sub>	FLOWING TEMP FACTOR F <sub>t</sub>	DEVIATION FACTOR F <sub>pv</sub>	RATE OF FLOW R Mcf/d	GOR	G <sub>m</sub>
16.010	27.8	7.27	1.1843	1.0198	1.0028	141		0.713

**(OPEN FLOW)(DELIVERABILITY) CALCULATIONS**

(P<sub>c</sub>)<sup>2</sup> = 14.3      (P<sub>w</sub>)<sup>2</sup> = 0.3      P<sub>d</sub> = 10.9      %      (P<sub>c</sub> - 14.4) + 14.4 =      (P<sub>a</sub>)<sup>2</sup> = 0.207  
(P<sub>d</sub>)<sup>2</sup> = 0.17

$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_d)^2}$ or $\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_w)^2}$	LOG	Backpressure Curve Slope "n" ----- or ----- Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability = R x Antilog Mcf/d
14.12	14.06	1.004	0.0019	0.869	0.0017	1.004	141
14.16	14.06	1.008	0.0033	0.869	0.0029	1.007	141

OPEN FLOW      141      Mcfd @ 14.65 psia      DELIVERABILITY      141      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 herein and that said report is true and correct. Executed this the 9 day of Feb, 20 10.

Witness (if any)

For Commission

RECEIVED

FEB 23 2010

KCC WICHITA

For Company

Checked by

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 Strata Exploration 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 of type completion or upon use of the gas well herein named.

I hereby request a permanent exemption from open flow testing for the Stapleton 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: \_\_\_\_\_

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

**Instructions:**

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.