

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

FORM G-2
(Rev. 8/98)

TYPE TEST:

- Open Flow
 Deliverability

TEST DATE: 12/8/2010

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 32S	RNG (E/W) 30W	Acres Attributed 160
Field Unnamed	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 (H) 5370	Pressure Taps flange	Meter Run Size 3.071			
Pressure Buildup: Shut in	12/4/2010@1100	TAKEN	12/7/2010@1315		
Well on Line: Started	12/7/2020@1315	TAKEN	12/8/2020@1400		

OBSERVED SURFACE DATA

Static/Dynamic Property	Orifice Size in.	Meter Pressure psig	Pressure Diff. In. H ₂ O	Flowing Temp. t.	WellHead Temp. t.	Casing WellHead Press. (P _w) (P _t) (P _c)		Tubing WellHead Press. (P _w) (P _t) (P _c)		Duration (Hours)	Liquid Prod. Barrels
						psig	psia	psig	psia		
Shut-in						510	524	510	524	74.2	
Flow	1.750	77.6	140.60	72		460	474	332	346	24.7	

FLOW STREAM ATTRIBUTES

COEFFICIENT (F _b) Mcfd	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR F _g	FLOWING TEMP FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW R Mcfd	GOR	G _m
16.010	92.0	113.73	1.1843	0.9887	1.0078	2148		0.713

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

(P_c)² = 275.0 (P_w)² = 225.1 P_d = 14.8 % (P_c - 14.4) + 14.4 = (P_a)² = 0.207
(P_d)² = 6.02

$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_d)^2}$	$(P_c)^2 - (P_w)^2$	$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_d)^2}$ 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 Mcfd
274.79	49.94	5.502	0.7405	0.870	0.6443	4.408	9471
268.97	49.94	5.386	0.7313	0.870	0.6362	4.327	9297

OPEN FLOW 9471 Mcfd @ 14.65 psia DELIVERABILITY 9297 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 15 day of Dec 2010

Witness (if any)

For Commission

For Company

Checked by

RECEIVED

DEC 15 2010

KCC WICHITA

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.