

**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. 15-081-21501-0000

Company <b>Strata Exploration</b>		Lease <b>Brown Trust</b>			Well Number <b>1</b>	
County <b>Haskell</b>	Location <b>710FSL 660FEL</b>	Section <b>28 29s 32w</b>	TWP <b>32w</b>	RNG (E/W)	Acres Attributed <b>320</b>	
Field <b>Lockport</b>	Reservoir <b>St Louis B</b>		Gas Gathering Connection <b>ONEOK</b>			
Completion Date <b>2/21/04</b>	Plug Back Total Depth <b>5552</b>		Packer Set at			
Casing Size <b>5.500</b>	Weight <b>15.500</b>	Internal Diameter <b>4.950</b>	Set at <b>5592</b>	Perforations <b>5488</b>	To <b>5508</b>	
Tubing Size <b>2.375</b>	Weight <b>4.700</b>	Internal Diameter <b>1.995</b>	Set at <b>5488</b>	Perforations	To	
Type Completion (Describe) <b>Perf &amp; Acidize</b>	Type Fluid Production		Pump Unit or Traveling Plunger? <b>no</b>			
Producing Thru (Annulus/Tubing) <b>tubing</b>	% Carbon Dioxide <b>0.009</b>		% Nitrogen <b>11.907</b>		Gas Gravity- Gg <b>0.689</b>	
Vertical Depth (ft) <b>5498</b>	Pressure Taps <b>flange</b>		Meter Run Size <b>3.068</b>			
Pressure Buildup: Shut in	<b>2/3/2012@1430</b>	TAKEN		<b>2/6/2012@1700</b>		
Well on Line: Started	<b>2/6/2012@1700</b>	TAKEN		<b>2/7/2012@1700</b>		

**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						111	125	107	121	74.5	
Flow	0.750	16.4	1.50	33		82	96	22	36	24.0	

**FLOW STREAM ATTRIBUTES**

COEFFICIENT (F <sub>b</sub> ) Mcf/d	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR Fg	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR Fpv	RATE OF FLOW R Mcf/d	GOR	G <sub>m</sub>
2.740	31.1	6.83	1.2047	1.0270	1.0031	23		0.689

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

(P<sub>c</sub>)<sup>2</sup> = 15.8      (P<sub>w</sub>)<sup>2</sup> = 9.4      P<sub>d</sub> = 13.1      %      (P<sub>c</sub> - 14.4) + 14.4 =      (P<sub>a</sub>)<sup>2</sup> = 0.207  
(P<sub>d</sub>)<sup>2</sup> = 0.27

$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	$\frac{[(P_c)^2 - (P_a)^2] \text{ or } [(P_c)^2 - (P_d)^2]}{[(P_c)^2 - (P_w)^2]}$	LOG	Backpressure Curve Slope "n" ----- or ----- Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability = R x Antilog Mcf/d
15.59	6.45	2.417	0.3832	0.838	0.3211	2.095	48
15.54	6.45	2.409	0.3818	0.838	0.3199	2.089	48

OPEN FLOW 48 Mcfd @ 14.65 psia      DELIVERABILITY 48 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, 2012

**RECEIVED**

**FEB 23 2012**

Witness (if any)

For Commission

For Company

Checked by

**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 Brown Trust / 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: 2/14/2012

Signature: *Shirley D. Kenney*  
Title: Secretary

**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.