

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

FORM G-2  
(Rev. 8/98)

TYPE TEST:

- Open Flow  
 Deliverability

15-081-21776-00-00

TEST DATE: 2/8/2012

API No. ~~15-081-21887-0000~~

Company Strata Exploration		Lease Morris			Well Number 2-4	
County Haskell	Location 660' FSL 560' F	Section 4 30s	TWP 32w	RNG (E/W)	Acres Attributed 320	
Field Unnamed	Reservoir Morrow	Gas Gathering Connection Regency				
Completion Date 1-27-08	Plug Back Total Depth 5590	Packer Set at NA				
Casing Size 5.500	Weight 15.500	Internal Diameter 4.950	Set at 5610	Perforations 5273	To 5288	
Tubing Size 2.875	Weight 6.500	Internal Diameter 2.441	Set at 5160	Perforations	To	
Type Completion (Describe) Perf, Acidize & Fr	Type Fluid Production	Pump Unit or Traveling Plunger? NO				
Producing Thru (Annulus/Tubing) tubing	% Carbon Dioxide 0.264	% Nitrogen 14.756	Gas Gravity- Gg 0.714			
Vertical Depth (H) 5280	Pressure Taps flange	Meter Run Size 3.068				
Pressure Buildup: Shut in	2/4/2012@ 1315	TAKEN	2/7/2012@1430			
Well on Line: Started	2/7/2012@ 1430	TAKEN	2/8/2012@ 1430			

**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						205	219	205	219	73.2	
Flow	0.750	21.5	95.30	33		113	127	50	64	24.0	

**FLOW STREAM ATTRIBUTES**

COEFFICIENT (F <sub>b</sub> ) Mcfd	(METER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR Fg	FLOWING TEMP FACTOR Ft	DEVIATION FACTOR Fpv	RATE OF FLOW R Mcfd	GOR	G <sub>m</sub>
2.740	35.9	58.49	1.1835	1.0270	1.0037	195		0.714

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

(P<sub>c</sub>)<sup>2</sup> = 48.1

(P<sub>w</sub>)<sup>2</sup> = 16.2

P<sub>d</sub> = 27.9

(P<sub>c</sub> - 14.4) + 14.4 =

(P<sub>a</sub>)<sup>2</sup> = 0.207

(P<sub>d</sub>)<sup>2</sup> = 3.76

$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_d)^2}$ or $\frac{(P_c)^2 - (P_w)^2}{(P_c)^2 - (P_d)^2}$	$(P_c)^2 - (P_w)^2$	$\frac{[(P_c)^2 - (P_a)^2] \text{ or } [(P_c)^2 - (P_d)^2]}{[(P_c)^2 - (P_w)^2]}$	LOG	Backpressure Curve Slope "n" ----- or ----- Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability = R x Antilog Mcfd
47.93	31.91	1.502	0.1767	0.500	0.0884	1.226	239
44.38	31.91	1.391	0.1433	0.500	0.0717	1.179	230

OPEN FLOW 239 Mcfd @ 14.65 psia      DELIVERABILITY 230 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 12

Witness (if any)

For Commission

For Company

Checked by

**RECEIVED**

**FEB 16 2012**

**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

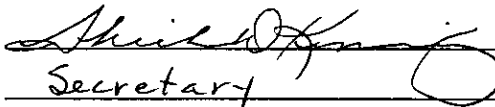
and that the foregoing information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon gas production records and records of equipment installation and/or of type completion or upon use of the gas well herein named.

I hereby request a permanent exemption from open flow testing for the Morris 2-4  
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:   
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.