

**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. 15-081-21850-0000

Company Strata Exploration		Lease Stapleton			Well Number 2-10	
County Haskell	Location 1318FNL 1480FEL	Section 10 30S 32W	TWP 	RNG(E/W) 	Acres Attributed E/2 (320)	
Field Dalden	Reservoir Morrow		Gas Gathering Connection Regency/Plains			
Completion Date 12/6/2010	Plug Back Total Depth 5375		Packer Set at none			
Casing Size 5.500	Weight 15.500	Internal Diameter 4.950	Set at 5625	Perforations 5292	To 5308	
Tubing Size 2.875	Weight 6.500	Internal Diameter 2.441	Set at 5202	Perforations 	To 	
Type Completion (Describe) Frac	Type Fluid Production oil		Pump Unit or Traveling Plunger? pumping unit			
Producing Thru(Annulus/Tubing) annulus	% Carbon Dioxide 0.109		% Nitrogen 13.756		Gas Gravity- Gg 0.554	
Vertical Depth (ft) 5404-5300	Pressure Taps flange		Meter Run Size 3.068			
Pressure Buildup: Shut in	2/3/2012@1000		TAKEN	2/6/2012@1145		
Well on Line: Started	2/6/2012@1145		TAKEN	2/7/2012@1600		

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 _c) (P _c)		Tubing WellHead Press. (P _w) (P _c) (P _c)		Duration (Hours)	Liquid Prod. Barrels
						psig	psia	psig	psia		
Shut-in						395	409			73.7	
Flow	1.125	13.4	3.80	35	35	176	190			29.2	1.0

FLOW STREAM ATTRIBUTES

COEFFICIENT (F _b) 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 _m
6.251	28.1	10.34	1.3435	1.0249	1.0011	89	108394	0.593

estimate 3 wells going in to tank

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

(P_c)² = 167.9 (P_w)² = 36.4 P_d = 3.3 & (P_c - 14.4) + 14.4 = (P_a)² = 0.207
(P_d)² = 0.18

$(P_c)^2 - (P_a)^2$ 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
167.66	131.49	1.275	0.1056	0.500	0.0528	1.129	100
167.70	131.49	1.275	0.1056	0.500	0.0528	1.129	100

OPEN FLOW 100 Mcfd @ 14.65 psia DELIVERABILITY 100 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 7 day of Feb, 2012

Witness (if any)

For Commission

For Company

Checked by

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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 2-10
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 W. Kering*
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.

Field Measurements

Company: Strata Exploration
 Well / Lease Name: Stapleton 2-10
 API Code:
 Test Type: 4 pt test

Job Number:
 Formation:
 Field:
 Pool:

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	Date	Time	Wellhead Gas Orifice Meter 1						
			Casing Press	Diff Press	Meter Temp	Static Press	Plate Size	Gas Rate (Inst)	Gas Cum
			psi(g)	in of H ₂ O	°F	psi(g)	in	MMscfd	MMscf
1	2012/02/06	11:45:00	395.0						
2	2012/02/06	11:45:00	shutin before test						
3		12:00:00	388.0	2.940	44.91	12.74	1.125	0.067	0.001
4		12:15:00	386.0	6.470	45.26	12.74		0.100	0.002
5		12:30:00	376.0	6.140	45.54	12.88		0.097	0.003
6		12:45:00	374.0	6.410	47.17	12.89		0.099	0.004
7		12:45:00	1st pt						
8		13:00:00	362.0	10.070	47.03	12.00		0.122	0.005
9		13:15:00	355.0	10.250	46.72	12.94		0.126	0.006
10		13:30:00	352.0	10.640	46.65	13.01		0.128	0.007
11		13:45:00	349.0	10.700	46.08	13.07		0.129	0.009
12		13:45:00	2nd pt						
13		14:00:00	339.0	14.280	46.38	13.45		0.150	0.010
14		14:15:00	333.0	13.580	46.57	13.80		0.147	0.012
15		14:30:00	329.0	13.320	46.08	13.72		0.145	0.013
16		14:45:00	328.0	13.100	45.89	13.42		0.144	0.015
17		14:45:00	3rd pt						
18		15:00:00	322.0	18.660	45.74	13.51		0.172	0.016
19		15:15:00	318.0	18.840	45.59	13.56		0.173	0.018
20		15:30:00	312.0	17.920	45.59	13.77		0.169	0.020
21		15:45:00	308.0	17.440	45.29	13.69		0.167	0.022
22		15:45:00	4th pt						
23	2012/02/07	15:45:00	176.0	3.770	34.78	13.45		0.078	0.144
24	2012/02/07	15:45:00	1 pt						

From 2012/02/06 11:45:00 To 2012/02/07 06:00:00
 Gas Cum 0.094 MMscf Gas Cum 0.094 MMscf
 Oil Cum bbl Oil Cum bbl
 Water Cum bbl Water Cum bbl
 Cond Cum bbl Cond Cum bbl

Wellhead Pressures vs Rate

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Well / Lease Name: Stapleton 2-10
API Code:
Test Type: 4 pt test

Job Number:
Formation:
Field:
Pool:

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