

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
(Rev. 8/98)

TYPE TEST:

- Open Flow
 Deliverability

TEST DATE: 4/23/2013 API No. 15-025-21376-00-00

Company John O. Farmer		Lease Giles A		Well Number 1	
County Clark	Location W/2 NW SE	Section 10 31S 22W	TWP RNG (E/W)	Acres Attributed 160	
Field Mississippian	Reservoir Mississippian		Gas Gathering Connection KGS		
Completion Date 9/27/2006	Plug Back Total Depth 6427		Packer Set at N/A		
Casing Size 5.500	Weight 15.500	Internal Diameter 4.950	Set at 6497	Perforations 5129	To 5136
Tubing Size 2.375	Weight 4.700	Internal Diameter 1.995	Set at 5110	Perforations	To
Type Completion (Describe) Single	Type Fluid Production N/A		Pump Unit or Traveling Plunger? No		
Producing Thru (Annulus/Tubing) tubing	% Carbon Dioxide 0.099	% Nitrogen 5.398		Gas Gravity - Gg 0.645	
Vertical Depth (H) 5133	Pressure Taps flange		Meter Run Size 2.067		
Pressure Buildup: Shut in	4/19/2013@0900		TAKEN	4/22/2013@0915	
Well on Line: Started	4/19/2013@0915		TAKEN	4/23/2013@0945	

RECEIVED
KANSAS CORPORATION COMMISSION
MAY 01 2013
CONSERVATION DIVISION
WICHITA, KS

OBSERVED SURFACE DATA

Static/ Dynamic Property	Orifice Size in.	Meter Pressure psig	Pressure Diff. In. H ₂ O	Flowing Temp. t.	Well Head Temp. t.	Casing Well Head Press. (P _w) (P _t) (P _c)		Tubing Well Head Press. (P _w) (P _t) (P _c)		Duration (Hours)	Liquid Prod. Barrels
						psig	psia	psig	psia		
Shut-in						226	241	182	196	72.2	
Flow	1.125	118.0	19.40	46		192	206	139	153	24.5	

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
6.557	132.4	50.68	1.2451	1.0137	1.0122	424		0.645

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

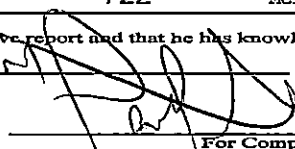
(P_c)² = 58.2 (P_w)² = 42.6 P_d = 50.2 % (P_c - 14.4) + 14.4 = (P_a)² = 0.207
(P_d)² = 14.67

$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	$\frac{(P_c)^2 - (P_d)^2}{(P_c)^2 - (P_w)^2}$ or $\frac{(P_c)^2 - (P_d)^2}{(P_c)^2 - (P_w)^2}$	LOG	Backpressure Curve Slope "n" --- or --- Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability = R x Antilog Mcf/d
58.02	15.58	3.723	0.5709	0.517	0.2952	1.973	837
43.56	15.58	2.795	0.4464	0.517	0.2308	1.701	722

OPEN FLOW 837 Mcfd @ 14.65 psia DELIVERABILITY 722 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 23 day of April, 2013

Witness (if any)
No Witness Provided
For Commission


For Company
Checked by

Faxed to 785-483-6020 on 04/26/13

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 John O. Farmer

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 Giles A 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.

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

FORM G-2
(Rev. 8/98)

TYPE TEST:

- Open Flow
 Deliverability

TEST DATE: 5/23/2012 API No. 15-025-21376-00-00

Company John O. Farmer		Lease Giles A		Well Number 1	
County Clark	Location W/2 NW SE	Section 10 31S 22W	TWP 22W	RNG (E/W)	Acres Attributed 160
Field Mississippian	Reservoir Mississippian	Gas Gathering Connection KGS			
Completion Date 9/27/2006	Plug Back Total Depth 6427	Packer Set at N/A			
Casing Size 5.500	Weight 15.500	Internal Diameter 4.950	Set at 6497	Perforations 5129	To 5136
Tubing Size 2.375	Weight 4.700	Internal Diameter 1.995	Set at 5110	Perforations	To
Type Completion (Describe) Single	Type Fluid Production N/A	Pump Unit or Traveling Plunger? No			
Producing Thru (Annulus/Tubing) tubing	% Carbon Dioxide 0.099	% Nitrogen 5.398	Gas Gravity- Gg 0.645		
Vertical Depth (H) 5133	Pressure Taps flange	Meter Run Size 2.067			
Pressure Buildup: Shut in	5/18/2012@ 1300	TAKEN	5/22/2012@0945		
Well on Line: Started	5/22/2012@0945	TAKEN	5/23/2012@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 _L) (P _C)		Tubing WellHead Press. (P _w) (P _L) (P _C)		Duration (Hours)	Liquid Prod. Barrels
						psig	psia	psig	psia		
Shut-in						265	280	240	254	92.7	
Flow	1.125	121.1	14.80	87		211	226	202	216	28.2	

FLOW STREAM ATTRIBUTES

COEFFICIENT (F _D) 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 _m
6.557	135.5	44.78	1.2451	0.9750	1.0096	359		0.645

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

(P_c)² = 78.4 (P_w)² = 51.1 P_d = 43.2 % (P_c - 14.4) + 14.4 = (P_a)² = 0.207
(P_d)² = 14.67

$(P_c)^2 - (P_a)^2$ 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 Mcfd
78.19	27.28	2.866	0.4573	0.517	0.2364	1.724	620
63.73	27.28	2.336	0.3686	0.517	0.1905	1.551	558

OPEN FLOW 620 Mcfd @ 14.65 psia DELIVERABILITY 558 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 24 day of May, 2012

Witness (if any)
Richard M. Lacey
For Commission

RECEIVED
MAY 31 2012
Checked by _____
For Company

KCC WICHITA

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FORM G-2
(Rev. 8/98)

TYPE TEST:

- Open Flow
 Deliverability

TEST DATE: 5/17/2011 API No. 15-025-21376-00-00

Company John O. Farmer		Lease Giles A			Well Number 1	
County Clark	Location W/2 NW SE	Section 10 31S 22W	TWP	RNG (E/W)	Acres Attributed 160	
Field	Reservoir Mississippian		Gas Gathering Connection KGS			
Completion Date 9/27/2006	Plug Back Total Depth 6427		Packer Set at N/A			
Casing Size 5.500	Weight 15.500	Internal Diameter 4.950	Set at 6497	Perforations 5129	To 5136	
Tubing Size 2.375	Weight 4.700	Internal Diameter 1.995	Set at 5110	Perforations	To	
Type Completion (Describe) Single	Type Fluid Production N/A		Pump Unit or Traveling Plunger? No			
Producing Thru (Annulus/Tubing) tubing	% Carbon Dioxide 0.099		% Nitrogen 5.398		Gas Gravity- Gg 0.645	
Vertical Depth (ft) 5133	Pressure Taps flange		Meter Run Size 2.067			
Pressure Buildup: Shut in	5/5/2011 @ 0800		TAKEN	5/17/2011 @ 1400		
Well on Line: Started	5/17/2011 @ 1400		TAKEN	5/18/2011 @ 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						419	433	419	433	294.0	
Flow	1.125	340.0	5.50	77		378	393	347	361	24.0	

FLOW STREAM ATTRIBUTES

COEFFICIENT (F _b) 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 _m
6.557	354.4	44.15	1.2451	0.9840	1.0273	364		0.645

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

(P_c)² = 188.3 (P_w)² = 154.6 P_d = 72.6 % (P_c - 14.4) + 14.4 = (P_a)² = 0.207
(P_d)² = 99.23

$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	$\frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_w)^2}$ or $\frac{(P_c)^2 - (P_d)^2}{(P_c)^2 - (P_w)^2}$	LOG	Backpressure Curve Slope "n" ---- or ---- Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability = R x Antilog Mcfd
188.06	33.66	5.587	0.7471	0.517	0.3863	2.434	886
89.04	33.66	2.645	0.4225	0.517	0.2184	1.654	602

OPEN FLOW 886 Mcfd @ 14.65 psia DELIVERABILITY 602 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 24 day of May, 2011

Witness (if any)
No witness Richard M. Lucas
For Commission

For Company
[Signature]
Checked by
[Signature]
RECEIVED
MAY 31 2011
KCC WICHITA