

**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	TWP 31S	RNG (E/W) 22W	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 (ft) 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 _t) (P _c)		Tubing WellHead Press. (P _w) (P _t) (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 _b) Mcf/d	(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 Mcf/d	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 Mcf/d
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)

For Commission

RECEIVED

For Company

MAY 25 2012

Checked by

KCC WICHITA