

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

FORM G-2
(Rev.8/98)

TYPE TEST:

- Open Flow
 Deliverability

TEST DATE: 6/2/2015 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				
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? PU&compressor		
Producing Thru (Annulus/Tubing) annulus		% Carbon Dioxide 0.099		% Nitrogen 5.398		Gas Gravity- Gg 0.645
Vertical Depth (H) 5133		Pressure Taps flange			Meter Run Size 2.068	
Pressure Buildup: Shut in 5/29/2015@900		TAKEN		6/1/2015@915		
Well on Line: Started 6/1/2015		TAKEN		6/2/2015@0930		

KCC WICHITA
JUN 05 2015
RECEIVED

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						241	255	335	349	72.2	
Flow	1.125	836.0	15.10	97		113	127	220	234	24.2	2.5

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 E _{pv}	RATE OF FLOW R Mcf/d	GOR	G _m
6.557	850.4	113.32	1.2451	0.9662	1.0579	945	381434	0.656

(OPEN FLOW)(DELIVERABILITY) CALCULATIONS

(P_c)² = 122.1 (P_w)² = 54.9 P_d = 34.7 % (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
121.87	67.14	1.815	0.2589	0.517	0.1339	1.361	1287
107.42	67.14	1.600	0.2041	0.517	0.1055	1.275	1205

OPEN FLOW 1287 Mcfd @ 14.65 psia DELIVERABILITY 1205 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 3 day of JUN, 20 15

Witness (if any)

For Commission

For Company

Checked by