Form G-2
(Rev. 7/03)

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:
(See Instructions on Reverse Side)

☑ Open Flow
☑ Deliverabilty

Test Date: 10/04 to 10/05/10

API No. 15: 145-21573-00-00

Company	Lease	Well Number
F.G. Holl	Ward A	1-19

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
Pawnee	330FNL & 900FWL	19	21S	15W	

Field	Reservoir	Gas Gathering Connection
	Arbuckle	SemGas

Completion Date	Plug Back Total Depth	Packer Set at
8/5/08	3948	none

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
5.5			3962	3810	3814

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2.875			3810		

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger? Yes / No
single	SW	yes - pump unit

Producing Thru (Annulus / Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity - G_g
annulus	.3230	5.5731	.634

Vertical Depth(H)	Pressure Taps	(Meter Run) (Prover) Size
	flange	2"

Pressure Buildup: Shut in 8/24 20 10 at 8:45 am (AM) (PM) Taken 8/27 20 10 at 8:45 am (AM) (PM)

Well on Line: Started 10/04 20 10 at 3:00 pm (AM) (PM) Taken 10/05 20 10 at 3:00 pm (AM) (PM)

OBSERVED SURFACE DATA Duration of Shut-in 72 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter / Prover Pressure psig (Pm)	Pressure Differential in Inches H_2O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Casing Wellhead Pressure psia	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Tubing Wellhead Pressure psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In						1128	1142.4			72	
Flow	.750	138.7	.9	90		868	882.4			24	

FLOW STREAM ATTRIBUTES

Plate Coeffiecient (F_b) (F_p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m x h}$	Gravity Factor F_g	Flowing Temperature Factor F_{tt}	Deviation Factor F_{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G_m
2.779	153.1	11.74	1.256	.9723	1.011	40		.634

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2$ = 1305.077 : $(P_w)^2$ = 778.629 : P_d = _____ % $(P_c - 14.4) + 14.4$ = _____ : $(P_a)^2$ = 0.207 $(P_d)^2$ = _____

$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by: $P_c^2 - P_w^2$	Backpressure Curve Slope = "n" or Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
1304.87	526.448	2.478	.3941	.848	.3342	2.16	86

Open Flow 86 Mcfd @ 14.65 psia X .50 = Deliverability 42 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 therein, and that said report is true and correct. Executed this the 16th day of October, 20 10.

Witness (if any)

For Company

For Commission

Checked by

RECEIVED
MAR 04 2011
KCC WICHITA