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: 2/15 to 2/16/11

API No. 15: 145-21,594-00-00

Company	Lease	Well Number
F.G.Holl	Nuss	1-12

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
Pawnee	10'E&203'SofCSESESE	12	21S	16W	

Field	Reservoir	Gas Gathering Connection
	Arbuckle	SemGas

Completion Date	Plug Back Total Depth	Packer Set at
10/20/09	3958	none

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
5.5			3973	3788	3794

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2.875			3788		

Type Completion (Describe)	Type Fluid Production	Pump Unit or Traveling Plunger? Yes / No
sungle	SW	no

Producing Thru (Annulus / Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity - G_g
tubing	.0000	5.8861	.637

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

Pressure Buildup: Shut in 02/11 20 11 at 10:00 am (AM) (PM) Taken 02/14 20 11 at 10:00 am (AM) (PM)

Well on Line: Started 02/15 20 11 at 3:00 pm (AM) (PM) Taken 02/16 20 11 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 psia	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Tubing psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In						1094	1108.4	741	755.4	72	
Flow	.875	160	25.9	82		1037	1051.4	726	740.4	24	

FLOW STREAM ATTRIBUTES

Plate Coefficient (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
3.824	174.4	67.21	1.253	.9795	1.013	320		.637

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2$ = 1228.550 : $(P_w)^2$ = 1105.441 : 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: $\frac{P_c^2 - P_w^2}{}$	Backpressure Curve Slope = "n" or Assigned Standard Slope	n x LOG [ ]	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
1228.343	123.109	9.977	.9989	.884	.8830	7.64	

Open Flow 2444 Mcfd @ 14.65 psia X .50 = Deliverability 1222 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 28th day of February, 20 11.

Witness (if any)

For Company

For Commission

Checked by

RECEIVED
MAR 04 2011
KCC WICHITA