KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST
(See Instructions on Reverse Side)

Type Test:

☑ Open Flow

☐ Deliverabilty

Test Date: 4/21 to 4/22/14	API No. 15 151-00194-00-00	

Company Griffin Management	Lease Covey A	Well Number 1

County Pratt	Location SWSESE	Section 3	TWP 27S	RNG (E/W) 15W	Acres Attributed

Field	Reservoir Cherokee	Gas Gathering Connection Oneok

Completion Date 1/23/57	Plug Back Total Depth 4684	Packer Set at none

Casing Size 5.5	Weight	Internal Diameter	Set at 4694	Perforations 4370	To 4386

Tubing Size 2.875	Weight	Internal Diameter	Set at 4394	Perforations	To

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

Producing Thru (Annulus / Tubing) annulus	% Carbon Dioxide .2146	% Nitrogen 4.6455	Gas Gravity - G_g .659

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

Pressure Buildup: Shut in 4/18 20 14 at 9:00 am (AM) (PM) Taken 4/21 20 14 at 9:00 am (AM) (PM)

Well on Line: Started 4/21 20 14 at 9:00 am (AM) (PM) Taken 4/22 20 14 at 9:00 am (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_1) or (P_o) psig	psia	Tubing Wellhead Pressure (P_w) or (P_1) or (P_c) psig	psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In	- -					102.4	116.8			72	
Flow	.375	16.3	20.3	54		58.6	73.0			24	0

FLOW STREAM ATTRIBUTES

Plate Coefficient (F_b) (F_c) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F_g	Flowing Temperature Factor F_{tf}	Deviation Factor F_{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G_m
.6860	30.7	24.96	1.232	1.006	------------	21		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2 =$ 13.642 : $(P_w)^2 =$ 5.329 : $P_d =$ _____ % $(P_c - 14.4) + 14.4 =$ _____ :

$(P_a)^2 =$ 0.207

$(P_d)^2 =$ _____
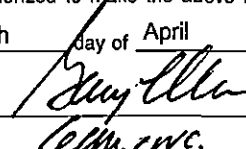
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by: $P_c^2 - P_w^2$	Backpressure Curve Slope = "n" -------- or -------- Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
13.435	8.313	1.616	.2084	.850	.1771	1.50	31.5

Open Flow 31.5   Mcfd @ 14.65 psia -   Deliverability _____   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 29th day of April , 20 14 .

Witness (If any)	*[signature]* For Company
For Commission	*[signature]* Checked by