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

15-057-20220-00-01

Type Test:
☑ Open Flow
☑ Deliverabilty

Test Date:
1/29 to 1/30/14

API No. 15
~~057-29,229-00-01~~

Company	Lease		Well Number
American Warrior, Inc	Boger D		1

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
Ford	SESESW	18	27S	21W	

Field	Reservoir	Gas Gathering Connection
Konda SE	Miss	Oneok

Completion Date	Plug Back Total Depth	Packer Set at
2/28/03	5035	none

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
4.5			5114	4932	5022

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2.375			5032		

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	.1649	14.7793	.682

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

Pressure Buildup: Shut in 1/26 20 15 at 10:45 am (AM) (PM) Taken 1/29 20 15 at 10:45 am (AM) (PM)

Well on Line: Started 1/29 20 15 at 10:45 am (AM) (PM) Taken 1/30 20 15 at 10:45 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_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						26.6	41.0			72	
Flow	.375	40	5	43		24.3	38.7			24	

FLOW STREAM ATTRIBUTES

Plate Coefficient (F_b) (F_p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	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
.6860	54.4	16.49	1.211	1.017	--------------	14		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2 =$ 1.681 : $(P_w)^2 =$ 1.497 : $P_d =$ _____ % $(P_c - 14.4) + 14.4 =$ _____ : $(P_a)^2 =$ 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)
1.474	.184	8.010	.9036	.850	.7680	5.86	82
				Assigned			

Open Flow 82   Mcfd @ 14.65 psia X .50 =   Deliverability 41   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 2nd day of February , 20 15 .

Witness (if any)

For Company
G WN, INC

For Commission

Checked by