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

Type Test:

☑ Open Flow

☑ Deliverabilty

Test Date:
1/29 to 1/30/15

API No. 15
033-21,298 - ○○-○○

Company	Lease		Well Number
American Warrior, Inc	Murdock		3

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
Comanche	CNENWSW	03	35S	16W	

Field	Reservoir	Gas Gathering Connection
Aetna Gas Area	Miss	Oneok

Completion Date	Plug Back Total Depth	Packer Set at
2/27/02	5466	none

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
5.5			5500	5262	5318

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To

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

Producing Thru (Annulus / Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity - G_g
annulus	.1920	.6111	.659

Vertical Depth(H)	Pressure Taps	(Meter Run) (Prover) Size
	flange	3"

Pressure Buildup: Shut in 1/26 , 20 15 at 9:00 am (AM) (PM) Taken 1/29 20 15 at 9:00 am (AM) (PM)

Well on Line: Started 1/29 20 15 at 9:00 am (AM) (PM) Taken 1/30 20 15 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_t) or (P_c) psig	psia	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In						123.5	137.9			72	
Flow	.750	30	6	36		80.8	95.2			24	

FLOW STREAM ATTRIBUTES

Plate Coeffiecient (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
2.740	44.4	16.32	1.232	1.024	---------------	56		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2 =$ 19.016 ; $(P_w)^2 =$ 9.063 ; $P_d =$ ____ % $(P_c - 14.4) + 14.4 =$ ____ :

$(P_a)^2 =$ 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)
18:809	9.953	1.889	.2762	.850	.2347	1.72	96
				Assigned			

Open Flow 96 Mcfd @ 14.65 psia X .50 = Deliverability 48 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

For Commission

Checked by