

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
- Deliverability

(See Instructions on Reverse Side)

Test Date:
4/11 to 4/12/13

API No. 15
007-23,163-00-00

Company American Warrior, Inc		Lease Forester		Well Number B-2	
County Barber	Location CW/2SESW	Section 26	TWP 33S	RNG (E/W) 11W	Acres Attributed
Field Roundup South		Reservoir Miss.	Gas Gathering Connection Atlas		
Completion Date 8/9/07		Plug Back Total Depth 4860/CIBP4800		Packer Set at none	
Casing Size 5.5	Weight	Internal Diameter	Set at 4916	Perforations 4538	To 4562
Tubing Size 2.375	Weight	Internal Diameter	Set at 4864	Perforations	To
Type Completion (Describe) single		Type Fluid Production SW	Pump Unit or Traveling Plunger? Yes / No Yes - pump unit		
Producing Thru (Annulus / Tubing) annulus		% Carbon Dioxide .0000	% Nitrogen 1.8219	Gas Gravity - G _g .625	
Vertical Depth(H)		Pressure Taps Flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in <u>4/08</u> 20 <u>13</u> at <u>9:15 am</u> (AM) (PM) Taken <u>4/11</u> 20 <u>13</u> at <u>9:15 am</u> (AM) (PM)					
Well on Line: Started <u>4/11</u> 20 <u>13</u> at <u>9:15 am</u> (AM) (PM) Taken <u>4/12</u> 20 <u>13</u> at <u>9:15 am</u> (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 ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						147.8	162.2			72	
Flow	.375	55	103.7	54		119.2	133.6			24	

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _o) (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 _t	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
.6860	69.4	84.83	1.265	1.006		74		.625

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 26.308 : (P_w)² = 17.848 : P_g = _____ % (P_c - 14.4) + 14.4 = _____ : (P_a)² = 0.207
(P_o)² = _____

(P _c) ² - (P _a) ² or (P _c) ² - (P _o) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _o 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" ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
26.101	8.46	3.085	.4892	.850	.4158	2.60	192
				assigned			

Open Flow **192** 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 23rd day of April, 20 13.

RECEIVED
KANSAS CORPORATION COMMISSION

[Signature]

For Company

Witness (if any)

APR 29 2013

CONSERVATION DIVISION
WICHITA, KS