

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:
5/27/09

API No. 15
15-151-700194 - 0000

Company Griffin Management / <i>Charles Griffin</i>		Lease Covey A		Well Number 1	
County Pratt	Location SW/SE/SE	Section 3	TWP 27S	RNG (E/W) 15W	Acres Attributed
Field Cherokee		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 Saltwater		Pump Unit or Traveling Plunger? <input checked="" type="checkbox"/> Yes / No yes - Rod Pump	
Producing Thru (Annulus / Tubing) annulus		% Carbon Dioxide		% Nitrogen Gas Gravity - G _g	
Vertical Depth(H)		Pressure Taps		(Meter Run) (Prover) Size	
Pressure Buildup: Shut In <u>5/26</u> 20 <u>09</u> at <u>8:45AM</u> (AM) (PM) Taken <u>5/27</u> 20 <u>09</u> at <u>8:45AM</u> (AM) (PM)					
Well on Line: Started _____ 20 ____ at _____ (AM) (PM) Taken _____ 20 ____ at _____ (AM) (PM)					

OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (Inches)	Circle one: Meter Prover Pressure psig (P _m)	Pressure Differential in inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _i) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						153.6	168			24	
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (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

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = _____ ; (P_w)² = _____ ; P_d = _____ % ; (P_c - 14.4) + 14.4 = _____ ; (P_a)² = 0.207 ; (P_g)² = _____

(P _c) ² - (P _a) ² or (P _c) ² - (P _g) ²	(P _w) ² - (P _a) ²	Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _w ² - P _a ² divided by: P _c ² - P _w ²	LOG of formula 1, or 2, and divide by: $\frac{P_c^2 - P_w^2}{P_c^2 - P_a^2}$	Backpressure Curve Slope = "n" ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)

Open Flow 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 27th day of May 20 09

RECEIVED

RECEIVED

Witness (if any)

JUN 22 2009

For Company

Checked by

For Commission

KCC WICHITA

KCC WICHITA