

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

15-081-00084-00-00

Test Date: 11-18-11

~~APLN 15-081-00084-00-00~~

Company Kiaser Francis Oil Co.			Lease Curry		Well Number 1-5
County Haskell	Location SESE	Section 5	TWP 28	RNG (E/W) 33W	Acres Attributed
Field Hugoton		Reservoir Krieder	Gas Gathering Connection KN Energy		
Completion Date		Plug Back Total Depth	Packer Set at		

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
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Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
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Type Completion (Describe)	Type Fluid Production	-Pump Unit or Traveling Plunger?	Yes / No
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<u>Single Gas</u>			
Producing Thru (Annulus / Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity - G _g
<u>Tubing</u>			4.026 x .750
Vertical Depth(H)	Pressure Taps	(Meter Run) (Prover) Size	

Pressure Buildup: Shut in 11-18 20 11 at 9:00 (AM) (PM) Taken 11-21 20 11 at 9:00 (AM) (PM)

Well on Line: Started 20 at _____ (AM) (PM) Taken 20 at _____ (AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in _____ Hours

Static / Dynamic Property	Orifice Size inches	Circle one: Meter or Prover Pressure psig	Pressure Differential in (h) 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						78.0	92.4			72	
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _v) (F _p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times H_w}$	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_d)² = 0.207
(P_o)² = _____

(P _c) ² - (P _d) ² or (P _c) ² - (P _w) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _d ² 2. P _c ² - P _w ² divided by: P _c ² - P _w ²	LOG of formula 1, or 2, and divide by: $\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2}$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG $\left[\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2} \right]$	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 the 7th day of Dec. 20 11.

RECEIVED

Witness (if any) **Hosco Testing & measurement Co**
For Commission For Company

JAN 12 2012

KCC WICHITA

BRK Hops
Checked by