

KANSAS CORPORATION COMMISSION

ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date: 12-2-11

API No. 15 - 129-10,597 - 0000

Company Kiaser Francis Oil Co.		Lease USA Boice		Well Number #1	
County Morton	Location SWSW NE	Section 36	TWP 33	RNG (E/W) 43W	Acres Attributed 640
Field Greenwood		Reservoir Topeka		Gas Gathering Connection Regency	
Completion Date 03 @ 12/24/1954		Plug Back Total Depth		Packer Set at	

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
Tubing Size	Weight	Internal Diameter	Set at	Perforations	To

Type Completion (Describe) Single (Gas)	Type Fluid Production Saltwater	-Pump Unit or Traveling Plunger? <input checked="" type="checkbox"/> Yes / No
Producing Thru (Annulus / Tubing)	% Carbon Dioxide	% Nitrogen

Vertical Depth(H) _____ Pressure Taps _____ Gas Gravity - G_s **2.067 x .500**
(Meter Run) (Prover) Size

Pressure Buildup: Shut in 12-2 20 11 at 10:00 (AM) (PM) Taken 12-5 20 11 at 10:00 (AM) (PM)
Well on Line: Started 11-26 20 11 at 10:00 (AM) (PM) Taken 12-2 20 11 at 10:00 (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 ₁) or (P ₂)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P ₂)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						34.5	48.9			72	
Flow	.500	21.0	37	60	60	24.5	38.9			168	

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (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 _{tt}	Deviation Factor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m
1493.1	35.4	36.1911	1.0	1.0		54.0		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 2.4 : (P_w)² = 1.5 : P₀ = _____ % (P_c - 14.4) + 14.4 = _____ : (P_c)² = 0.207
(P_w)² = _____

(P _c) ² - (P _w) ² or (P _c) ² - (P ₀) ²	(P _w) ² - (P ₀) ²	Choose formula 1 or 2: 1. P _c ² - P _w ² 2. P _c ² - P ₀ 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
2.2	1.3	1.7	.2285	.850	.19420	1.5639	84.4

Open Flow **84.4** 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

JAN 12 2012

Witness (if any) _____ For Commission _____

Hosco Testing & Measurement Co.
For Company _____
Checked by [Signature]

KCC WICHITA