

15-129-10598-0000

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date: 11-29-10

API No. 15-129-10598-0000

Company Kaiser Francis Oil Company		Lease USA Brown		Well Number #1	
County Morton	Location	Section 6	TWP 3633	RNG (E/W) 43	Acres Attributed 640
Field Greenwood		Reservoir		Gas Gathering Connection El Paso	
Completion Date		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)		Type Fluid Production		Pump Unit or Traveling Plunger? Yes / No	
Producing Thru (Annulus / Tubing)		% Carbon Dioxide		% Nitrogen	
				Gas Gravity - G _g	

Vertical Depth(H)	Pressure Taps		(Meter Run) (Prover) Size
Pressure Buildup: Shut in	11-29	20 10 at 10:00	(AM) (PM) Taken 12-2
			20 10 at 10:00 (AM) (PM)
Well on Line: Started	11-22	20 10 at 10:00	(AM) (PM) Taken 11-29
			20 10 at 10:00 (AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in 72 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter or 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 _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						17	31.4			72	
Flow	.500	19.36	6.25	60	60	5.6	20			168	

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
1430.6	19.36	11.0	1.0	1.0		15.7		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 1.0 : (P_w)² = .40 : P_d = _____ % (P_c - 14.4) + 14.4 = _____ : (P_s)² = 0.207
(P_d)² = _____

(P _c) ² - (P _s) ² or (P _c) ² - (P _d) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _s 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: $\frac{P_c^2 - P_w^2}{P_c^2 - P_s^2}$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
.80	.60	1.3333	.1249	.850	.1062	1.2770	20.0

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 3 day of December, 20 10.

Witness (if any)

For Commission

Hosco Testing & Measurement Co. RECEIVED

For Company
[Signature]
Checked by

FEB 22 2011

KCC WICHITA