

15-129-10597-0000

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

- Open Flow
 Deliverability

Test Date:
11-29-10

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

Company Kaiser Francis Oil Company		Lease USA Boice		Well Number #1	
County Morton	Location	Section 36	TWP 33	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	
Vertical Depth(H)		Pressure Taps		(Meter Run) (Prover) Size	
Pressure Buildup:	Shut in 11-29	20 10	at 10:30	(AM) (PM) Taken 12-2	20 10 at 10:30 (AM) (PM)
Well on Line:	Started 11-22	20 10	at 10:30	(AM) (PM) Taken 11-29	20 10 at 10:30 (AM) (PM)

OBSERVED SURFACE DATA

Duration of Shut-in _____ 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 _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						29	43.4			72	
Flow	.500	38.44	9	60	60	24.4	38.8			168	

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (F _p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	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
1493.1	38.44	18.6	1.0	1.0				

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 1.9 : (P_w)² = 1.5 : P_d = _____ % (P_c - 14.4) + 14.4 = _____ : (P_w)² = 0.207
(P_d)² = _____

(P _c) ² - (P _w) ² or (P _c) ² - (P _d) ²	(P _d) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _w 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: $\frac{P_c^2 - P_w^2}{P_c^2 - P_d^2}$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
1.7	.4	4.25	.6284	.850	.5341	3.4208	95.1

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 3rd 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