

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow
 Deliverability

(See Instructions on Reverse Side)

Test Date:

API No. 15

129-20681-0000

Company Kaiser Francis Oil Company		Lease Simpson		Well Number 2	
County Morton	Location E2SWSW	Section 11	TWP 33S	RNG (EW) 43W	Acres Attributed
Field Winter		Reservoir M. MORROW	Gas Gathering Connection Anadarko		
Completion Date 11/19/83		Plug Back Total Depth 4676	Packer Set at 4530		
Casing Size 5.5	Weight 15.5	Internal Diameter 4.950	Set at 4724	Perforations 4573	To 4575
Tubing Size 2.375	Weight 4.7	Internal Diameter 1.995	Set at 4530	Perforations	To
Type Completion (Describe) Single		Type Fluid Production	Pump Unit or Traveling Plunger? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Producing Intn (Annulus / Tubing) Casing		% Carbon Dioxide	% Nitrogen	Gas Gravity - G _g	
Vertical Depth(H) 4574		Pressure Taps Flange		(Meter Run) (Prover) Size 3	
Pressure Buildup: Shut in 7/25/11 19 ___ at ___ (AM) (PM)		Taken 7/26/11 19 ___ at ___ (AM) (PM)			
Well on Line: Started ___ 19 ___ at ___ (AM) (PM)		Taken ___ 19 ___ 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 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						45				24	
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (F _g) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_w \times H_w}$	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _{sv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _g

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P₁)² = 0.207

(P₂)² = _____

(P ₁) ² = _____	(P _w) ² = _____	P _e = _____ %	(P _e - 14.4) + 14.4 = _____				
(P ₁) ² - (P ₂) ² or (P ₁) ² - (P _w) ²	(P ₁) ² - (P _w) ²	Choose formula 1 or 2: 1. P ₁ ² - P ₂ ² 2. P ₁ ² - P _w ² divided by: P ₁ ² - P _w ²	LOG of formula 1. or 2. and divide by: $\left[\frac{P_1^2 - P_w^2}{P_1^2 - P_w^2} \right]$	Backpressure Curve Slope = "n" ----- Assigned Standard Slope	n x LOG $\left[\frac{P_1^2 - P_w^2}{P_1^2 - P_w^2} \right]$	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 24 day of October, 192011.

RECEIVED

JAN 17 2012

Robert Major

Company

Witness (if any)

For Commission

Checked by

KCC WICHITA

I declare under penalty or perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Kaiser Francis Oil Company and that the foregoing information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon gas production records and records of equipment installation and/or of type completion or upon use of the gas well herein named.

I hereby request a permanent exemption from open flow testing for the Simpson 2 gas well on the grounds that said well:

(Check one)

- is a coalbed methane producer
- is cycled on plunger lift due to water
- is a source of natural gas for injection into an oil reservoir undergoing ER
- is on vacuum at the present time; KCC approval Docket No. _____
- is incapable of producing at a daily rate in excess of 150 mcf/D

Date: 10/24/11

Signature: Robert Major
 Title: Production Records Manager

Instructions: All active gas wells must have at least an original G-2 form on file with the conservation division. If a gas well meets the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to obtain a testing exemption.

At some point during the succeeding calendar year, wellhead shut-in pressure shall be measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under "observed surface data." Shut-in pressure shall thereafter be reported yearly in the same manner.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than thirty (30) days after the taking of the pressure reading. The form must be signed and dated on the front side as though it was a verified report of test results.