

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

9-02-2014

to 9-03-2014

15-047-20,012-0000

Company D.R.Lauck Oil Co.Inc.		Lease Massey Gas Well			Well Number 1
County Edwards	Location C-NE-1	Section 9	TWP 25S	RNG (E/W) 16W	Acres Attributed 160
Field Wil		Reservoir Mississippi	Gas Gathering Connection Lumen Energy Corp		
Completion Date Oct. 1967		Plug Back Total Depth 4406'	Packer Set at no packer		
Casing Size 5 1/2"	Weight 15.5 #	Internal Diameter 5"	Set at 4439'	Perforations 4247'	To 4260'
Tubing Size 2 3/8"	Weight 4.7#	Internal Diameter 2"	Set at 4290'	Perforations 4275'	To 4278'
Type Completion (Describe) Perfs.		Type Fluid Production Salt Water	Pump Unit or Traveling Plunger? Pumping Unit		Yes / No 2" x 1 1/4" x 10"
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide	% Nitrogen	Gas Gravity - G _g	
Vertical Depth(H)		Pressure Taps		(Meter Run) (Prover) Size	

Pressure Buildup: Shut in 9-02 11# 20 14 at 11:40 (AM) (PM) Taken 9-03 19# 2014 at 12:18 (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 Prover Pressure psig (P _m)	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						19.5	33.9				
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _s) (F _p) Mcfd	Circle one: Meter Prover Pressure psia	Press Extension $\sqrt{\frac{P_m \times h}{\rho}}$	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

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_e)² = _____ (P_w)² = _____ P_d = _____ % (P_c - 14.4) + 14.4 = _____ (P_s)² = 0.207
(P_n)² = _____

(P _e) ² - (P _s) ² or (P _e) ² - (P _n) ²	(P _e) ² - (P _w) ²	Choose formula 1 or 2: 1. P _e ² - P _s ² 2. P _e ² - P _n ² divided by: P _e ² - P _w ²	LOG of formula 1, or 2, and divide by: $\frac{P_e^2 - P_s^2}{P_e^2 - P_w^2}$	Backpressure Curve Slope = "n" or Assigned Standard Slope	n x LOG []	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 3 day of Sept. 20 14

Witness (if any)

For Commission

Received
D.R.Lauck Oil Co.Inc. KANSAS CORPORATION COMMISSION
For Company
Melvin J. Urban
Checked by
SEP 10 2014

I declare under penalty of 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 D.R.Lauck Oil Co.Inc. and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.

I hereby request a one-year exemption from open flow testing for the Massey Gas Well # 1 gas well on the grounds that said well:
 C-NE 1/4 Sec. 9-25S-16W
 Edwards, Co.
 API # 15-047-20,012

(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 not capable of producing at a daily rate in excess of 250 mcf/D

I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.

Date: Sept, 03, 2014

Signature: Melvin D Urban
 Title: Production Supt.

Instructions: If a gas well meets one of 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 claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been 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 for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results **Received** KANSAS CORPORATION COMMISSION

SEP 10 2014
 CONSERVATION DIVISION
 WICHITA, KS