

## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

<input checked="" type="checkbox"/> Open Flow	4-23-12	Test Date: 4-27-12	API No. 15- 047-20,012-00-00
<input type="checkbox"/> Deliverability			
Company	D.R.Lauck Oil Co. Inc.	Lease Massey Massey	#1
County	Edwards	Location C NE 1/4	Section 9 TWP 25S RNG (E/W) 16W Acres Attributed 160
Field	Wil	Reservoir Mississippi	Gas Gathering Connection Edwards Co. Gas
Completion Date	October, 1967	Plug Back Total Depth 4406'	Packer Set at No Packer
Casing Size	5 1/2" Weight 14#	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? Yes / No Pumping Unit
Producing Thru (Annulus/Tubing)	Annulus	% Carbon Dioxide	% Nitrogen Gas Gravity - G <sub>g</sub> 0.642
Vertical Depth (H)	4278'	Pressure Type Flange	(Meter Run) / (Prover) Size 2 inch
Pressure Buildup:	Shut in 4-23-2012 at 12:15 (AM) (PM) Taken	20 at (AM) (PM)	
Well on Line:	Shut in 4-26-23# 2012 at 1:30 (AM) (PM) Taken	4-27-16# 2012 at 1:45 (AM) (PM)	

### OBSERVED SURFACE DATA

Static / Dynamic Property	Orifice Size (Inches)	Gross Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H <sub>2</sub> O	Flowing Temperature t	Well Head Temperature t	Casing Pressure (P <sub>w</sub> ) or (P <sub>i</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>i</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						23	37.4	0		72	
Flow	0.50	12	11	60		16	30.4	0		24	0

### FLOW STREAM ATTRIBUTES

Plate Coefficient (F <sub>w</sub> ) (F <sub>p</sub> ) Mcfd	Gross Meter Prover Pressure psia	Press Extension x h <sub>w</sub>	P <sub>m</sub>	Gravity Factor F <sub>g</sub>	Flowing Temperature Factor F <sub>t</sub>	Deviation Factor F <sub>p</sub>	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G <sub>m</sub>
1.21	26.4	17.04		1.2481	1.0000	1.00	25.78		0.64

### (OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P <sub>e</sub> ) <sup>2</sup> =	(P <sub>w</sub> ) <sup>2</sup> =	Pd =	(P <sub>c</sub> -14.4)+14.4 =	(P <sub>e</sub> ) <sup>2</sup> =	(P <sub>d</sub> ) <sup>2</sup> =	LOG of formula 1 or 2: 1. P <sub>e</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> 2. P <sub>e</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> and divide by: P <sub>e</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	LOG of formula 1 or 2: ( ) and divide by: ( )	Backpressure Curve Slope = "n" or Assigned Standard Slope	n x LOG ( )	Antilog ( )	Open Flow Deliverability Equals R x Antilog (Mcfd)
1.40	0.92	18.72%		0.207		2.510	0.400	0.700	0.280	1.90	49

Open Flow 49.10 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 30 day of April, 2012.

\_\_\_\_\_  
Witness (if any)

\_\_\_\_\_  
For Commission

D.R.Lauck Oil Co. Inc.  
For Company

*Melvin G. Huber*  
Checked by

RECEIVED  
MAY 04 2012  
KCC WICHITA

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 # 1 gas well on the grounds that said well: Sec. 9-25S-16W  
Edwards Co.  
API 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: April 30, 2012

Signature: Melvin S 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.

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MAY 04 2012  
KCC WICHITA