

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

Type Test:

- Open Flow  
 Deliverability

(See Instructions on Reverse Side)

Test Date:  
June 29, 2012

API No. 15  
-097-21565-00-00

Company Vincent Oil Corporation		Lease Mackay Trust		Well Number 1-29	
County Kiowa	Location E/2-NE	Section 29	TWP 27S	RNG (E/W) 16W	Acres Attributed
Field Fruit		Reservoir Kinderhook Sand		Gas Gathering Connection Oneok Midstream	
Completion Date 5/31/2005		Plug Back Total Depth 4655'		Packer Set at None	
Casing Size 4 1/2"	Weight 10.5#	Internal Diameter 4.052"	Set at 4654'	Perforations 4617'	To 4625'
Tubing Size 2 3/8"	Weight 4.7#	Internal Diameter 1.995	Set at 4520'	Perforations	To
Type Completion (Describe) Single Zone (Gas)		Type Fluid Production Oil		Pump Unit or Traveling Plunger? Yes / No Pumping Unit	
Producing Thru (Annulus / Tubing) Annulus		% Carbon Dioxide		% Nitrogen Gas Gravity - G <sub>g</sub>	
Vertical Depth(H)		Pressure Taps		(Meter Run) (Prover) Size	

Pressure Buildup: Shut in June 28 2012 at ~10:30 (AM) (PM) Taken June 29 2012 at ~10:30 (AM) (PM)  
Well on Line: Started \_\_\_\_\_ 20 \_\_\_\_\_ at \_\_\_\_\_ (AM) (PM) Taken \_\_\_\_\_ 20 \_\_\_\_\_ at \_\_\_\_\_ (AM) (PM)

### OBSERVED SURFACE DATA

Duration of Shut-in 24 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter or Prover Pressure psig (Pm)	Pressure Differential in Inches H <sub>2</sub> O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead 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						463					
Flow											

### FLOW STREAM ATTRIBUTES

Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	Gravity Factor F <sub>g</sub>	Flowing Temperature Factor F <sub>t</sub>	Deviation Factor F <sub>pv</sub>	Metered Flow R (Mcfd)	GOR (Cubic Feet/Barrel)	Flowing Fluid Gravity G <sub>m</sub>
						43 MCFG/D		

### (OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P<sub>a</sub>)<sup>2</sup> = 0.207

(P<sub>c</sub>)<sup>2</sup> = \_\_\_\_\_ : (P<sub>w</sub>)<sup>2</sup> = \_\_\_\_\_ : P<sub>d</sub> = \_\_\_\_\_ % (P<sub>c</sub> - 14.4) + 14.4 = \_\_\_\_\_ : (P<sub>o</sub>)<sup>2</sup> = \_\_\_\_\_

(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2 1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	LOG of formula 1, or 2, and divide by: $\frac{P_c^2 - P_a^2}{P_c^2 - P_w^2}$	Backpressure Curve Slope = "n" ----- or ----- Assigned Standard Slope	n x LOG $\left[ \frac{P_c^2 - P_a^2}{P_c^2 - P_w^2} \right]$	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 18th day of July, 2013.

Witness (if any)

For Commission

*M. Kapp*  
For Company **KCC WICHITA**  
Checked by \_\_\_\_\_  
**JUL 22 2013**

**RECEIVED**

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 Vincent Oil Corporation 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 Mackay Trust #1-29 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 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: 7/18/2013

Signature:   
Title: President

**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.



Suite 700 • 155 North Market • Wichita, Kansas 67202-1821  
(316) 262-3573

July 19, 2013

Kansas Corporation Commission  
Conservation Division  
130 S. Market, Room 2078  
Wichita, Kansas 67202

Attention: Mr. Jim Hemmen

Ref: Annual Testing / Exemption (2012)  
Mackay Trust #1-29  
15-097-21565-00-00

Dear Mr. Hemmen:

Attached please find a 24 hr shut-in pressure report for the above referenced gas well. Your letter of June 21<sup>st</sup> of this year is correct in that Vincent Oil Corporation has not filed for an exemption from testing for this well since our filing in 2009. It appears as if this well slipped off of our tracking system for low volume gas wells for some reason and we failed to file for those available exemptions.

I did check our records and the well was down for repairs in late June of 2012 and Mr. Hiebsch reports that the shut in value was 463#. That information is shown on the attached KCC form G-2 report with the exemption request for 2012 as you suggested in your compliance letter.

We will make sure the proper shut-in report and exemption request is timely filed for the coming year (2013) or we will test the well as required under KCC regulation.

Sincerely,

M.L. Korphage  
Geologist  
Vincent Oil Corporation

XC: File

KCC WICHITA  
JUL 22 2013  
RECEIVED