

# KANSAS CORPORATION COMMISSION

## ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

- Open Flow  
 Deliverability

(See Instructions on Reverse Side)

Test Date:  
11/17 to 11/18/14

API No. 15  
057-20,842-00-00

Company Vincent Oil Co.			Lease Overmeyer		Well Number 2-9
County Ford	Location SENEWSE	Section 9	TWP 29S	RNG (E/W) 22W	Acres Attributed
Field Kingsdown NW		Reservoir Miss	Gas Gathering Connection DCP		
Completion Date 11/06/12		Plug Back Total Depth 5434	Packer Set at none		
Casing Size 4.5	Weight	Internal Diameter	Set at 5434	Perforations 5238	To 5252
Tubing Size 2.375	Weight	Internal Diameter	Set at 5244	Perforations	To
Type Completion (Describe) single		Type Fluid Production none	Pump Unit or Traveling Plunger? Yes / No no		
Producing Thru (Annulus / Tubing) tubing		% Carbon Dioxide .1984	% Nitrogen 8.0606	Gas Gravity - G <sub>g</sub> .657	
Vertical Depth(H)		Pressure Taps flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 11/14 20 14 at 8:45 am (AM) (PM)		Taken 11/17 20 14 at 8:45 am (AM) (PM)			
Well on Line: Started 11/17 20 14 at 9:00 am (AM) (PM)		Taken 11/18 20 14 at 9:00 am (AM) (PM)			

### OBSERVED SURFACE DATA

Duration of Shut-in 72 Hours

Static / Dynamic Property	Orifice Size (Inches)	Circle one: Meter 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						769	783.4	764	778.4	72	
Flow	1.000	230	80	61		723	737.4	694	708.4	24	

### 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>
5.073	244.4	139.82	1.234	.9990	1.024	895		

### (OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P<sub>c</sub>)<sup>2</sup> = 613.715 ; (P<sub>w</sub>)<sup>2</sup> = 543.758 ; P<sub>d</sub> = \_\_\_\_\_ % (P<sub>c</sub> - 14.4) + 14.4 = \_\_\_\_\_ ; (P<sub>a</sub>)<sup>2</sup> = 0.207 ; (P<sub>d</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: $P_c^2 - P_w^2$	Backpressure Curve Slope = "n" or Assigned Standard Slope	n x LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
613.508	69.957	8.769	.9429	.794	.7486	5.60	5012

Open Flow **5012** Mcfd @ 14.65 psia X .50 = Deliverability **2506** 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 19th day of November, 20 14.

**KCG WICHITA**

Witness (if any) \_\_\_\_\_ For Company *[Signature]*  
For Commission **NOV 25 2014** \_\_\_\_\_ Checked by \_\_\_\_\_

**RECEIVED**