

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

Type Test:

(See Instructions on Reverse Side)

- Open Flow  
 Deliverability

Test Date:  
11/13 to 11/14/14

API No. 15  
057-20,688-00-00

Company Vincent Oil Co.			Lease Imel		Well Number 1-18
County Ford	Location NESWSENE	Section 18	TWP 29S	RNG (EW) 22W	Acres Attributed
Field Wildcat		Reservoir Penn		Gas Gathering Connection DCP	
Completion Date 11/18/10		Plug Back Total Depth 5460		Packer Set at none	
Casing Size 4.5	Weight	Internal Diameter	Set at 5460	Perforations 5266	To 5270
Tubing Size 2.375	Weight	Internal Diameter	Set at 5266	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 .1336		% Nitrogen 5.9601	
Vertical Depth(H)		Pressure Taps flange		(Meter Run) (Prover) Size 2"	
Pressure Buildup: Shut in 11/10 20 14 at 9:45 am (AM) (PM) Taken 11/13 20 14 at 9:45 am (AM) (PM)					
Well on Line: Started 11/13 20 14 at 10:00 am (AM) (PM) Taken 11/14 20 14 at 10:00 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>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels) Received
						psig	psia	psig	psia		
Shut-In						643	657.4	641	655.4	72	KANSAS CORPORATION COMMISSION
Flow	1.500	171	82	59		603	617.4	589	603.4	24	DEC 15 2014

### FLOW STREAM ATTRIBUTES

CONSERVATION DIVISION  
WICMITA, KS

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>
13.09	185.4	123.29	1.250	1.001	1.016	2051		

### (OPEN FLOW) (DELIVERABILITY) CALCULATIONS

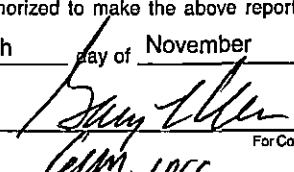
$(P_c)^2 = 432.174$  ;  $(P_w)^2 = 381.182$  ;  $P_d = \underline{\hspace{2cm}}$  %  $(P_c - 14.4) + 14.4 = \underline{\hspace{2cm}}$  ;  $(P_a)^2 = 0.207$   
 $(P_a)^2 = \underline{\hspace{2cm}}$

$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_d)^2 - (P_w)^2$	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	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)
431.967	50.992	8.471	.9279	.636	.5901	3.89	7978

Open Flow 7978 Mcfd @ 14.65 psia X .50 = Deliverability 3989 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, 2014.

\_\_\_\_\_  
Witness (if any)  
\_\_\_\_\_  
For Commission

  
\_\_\_\_\_  
For Company  
Checked by