

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:

(See Instructions on Reverse Side)

- Open Flow
 Deliverability

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

API No. 15
057-20,729-00-00

Company Vincent Oil Co.		Lease Feikert Farms			Well Number 2-9
County Ford	Location NESWNESW	Section 9	TWP 29S	RNG (E/W) 22W	Acres Attributed
Field Wildcat		Reservoir Miss.		Gas Gathering Connection DCP	
Completion Date 8/26/11		Plug Back Total Depth 5445		Packer Set at none	
Casing Size 4.5	Weight	Internal Diameter	Set at 5445	Perforations 5250	To 5270
Tubing Size 2.375	Weight	Internal Diameter	Set at	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 .1622		% Nitrogen 7.7026	Gas Gravity - G _g .656
Vertical Depth(H)		Pressure Taps flange			(Meter Run) (Prover) Size 2"
Pressure Buildup: Shut in 11/14 20 14 at 9:00 am (AM) (PM) Taken 11/17 20 14 at 9:00 am (AM) (PM)					
Well on Line: Started 11/17 20 14 at 9:15 am (AM) (PM) Taken 11/18 20 14 at 9:15 am (AM) (PM)					

OBSERVED SURFACE DATA

Duration of Shut-in 72 Hours

Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter or Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						745	759.4	743	757.4	72	
Flow	1.000	225	20	54		695	709.4	617	631.4	24	

FLOW STREAM ATTRIBUTES

Plate Coefficient (F _b) (F _p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m \times h}$	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
5.073	239.4	69.19	1.235	1.006	1.020	445		

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)² = 576.688 : (P_w)² = 503.248 : P_d = _____ % (P_c - 14.4) + 14.4 = _____ : (P_{ar})² = 0.207
(P_d)² = _____

(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" ----- Assigned Standard Slope	n x LOG []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
576.481	73.44	7.849	.8948	.632	.5655	3.68	1638

Open Flow **1638** Mcfd @ 14.65 psia X .50 = Deliverability **819** 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 November, 20 14.

Received
KANSAS CORPORATION COMMISSION

Witness (if any)

DEC 15 2014

[Signature]
For Company
GCM, INC.

For Commission

CONSERVATION DIVISION
WICHITA, KS

Checked by