KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST
(See Instructions on Reverse Side)

Type Test:

[✓] Open Flow

[✓] Deliverabilty

Test Date:
9/12 to 9/13/13

API No. 15
095-22,140-00-00

Company Wildcat Oil & Gas, LLC	Lease Hageman	Well Number 1

County Kingman	Location W/2SWSW	Section 19	TWP 29S	RNG (E/W) 08W	Acres Attributed

Field Willowdale SE	Reservoir Miss	Gas Gathering Connection Lumen-WWGG

Completion Date 5/13/08	Plug Back Total Depth	Packer Set at none

Casing Size 4.5	Weight	Internal Diameter	Set at 4331	Perforations 4223	To 4228

Tubing Size 2.375	Weight	Internal Diameter	Set at 4230	Perforations	To

Type Completion (Describe) single	Type Fluid Production Oil/SW	Pump Unit or Traveling Plunger? Yes / No Yes-pump unit

Producing Thru (Annulus / Tubing) Annulus	% Carbon Dioxide .0749	% Nitrogen 3.4401	Gas Gravity - G_g .674

Vertical Depth(H)	Pressure Taps flange	(Meter Run) (Prover) Size 2"

Pressure Buildup: Shut in 9/09 20 13 at 10:15 am (AM) (PM) Taken 9/12 20 13 at 10:15 am (AM) (PM)

Well on Line: Started 9/12 20 13 at 10:15 am (AM) (PM) Taken 9/13 20 13 at 10:15 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 H2O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	psia	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In						173.0	187.4			72	
Flow	.375	64	.8	68		64.6	79.0			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_{ft}	Deviation Factor F_{pv}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G_m
.6860	78.4	7.92	1.218	.9924	------------	6		.674

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS
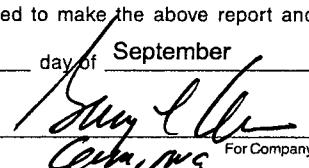
$(P_c)^2 =$ 35.118 : $(P_w)^2 =$ 6.241 : $P_d =$ _____ % $(P_c - 14.4) + 14.4 =$ _____ :

$(P_a)^2 =$ 0.207
$(P_d)^2 =$ _____

$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$(P_c)^2 - (P_w)^2$	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)
34.911	28.877	1.209	.0824	.850	.0700	1.17	7
				assigned			

Open Flow 7   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 23rd day of September , 20 13 .

_____ Witness (if any)

_____ For Company

KCC WICHITA

SEP 26 2013

RECEIVED