Form G-2
(Rev. 7/03)

KANSAS CORPORATION COMMISSION
ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test: *(See Instructions on Reverse Side)*

☑ Open Flow
☑ Deliverabilty

Test Date: 10/15 to 10/16/13

API No. 15: 095-20,~~8~~842-0000

Company	Lease	Well Number
Rains & Williamson Oil Co, Inc.	Thompson	A-1

County	Location	Section	TWP	RNG (E/W)	Acres Attributed
Kingman	200'WofSESWSW	11	30S	07W	

Field	Reservoir	Gas Gathering Connection
Spivey-Grabs	Miss.	Lumen/WWGG

Completion Date	Plug Back Total Depth	Packer Set at
7/10/79	4110	none

Casing Size	Weight	Internal Diameter	Set at	Perforations	To
4.5			4095	4095	4110

Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2.375			4080		

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

Producing Thru (Annulus / Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity - G_g
annulus	.1641	8.3283	.721

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

Pressure Buildup: Shut in 10/12 20 13 at 1:45 pm (AM) (PM) Taken 10/15 20 13 at 1:45 pm (AM) (PM)

Well on Line: Started 10/15 20 13 at 1:45 pm (AM) (PM) Taken 10/16 20 13 at 1:45 pm (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_2O	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Casing Wellhead Pressure (P_w) or (P_t) or (P_c) psia	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In						239.5	253.9			72	
Flow	.375	40	5	63		105.0	119.4			24	

FLOW STREAM ATTRIBUTES

Plate Coeffiecient (F_b) (F_p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension $\sqrt{P_m x h}$	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	54.4	16.49	1.178	.9971	----------	13		.721

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

$(P_c)^2$ = 64.465 : $(P_w)^2$ = 14.256 : 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)
64.258	50.209	1.279	.1069	.850	.0908	1.23	16
				Assigned			

Open Flow 16 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 6th day of November, 20 13.

Witness (if any)

For Company

KCC WICHITA

NOV 12 2013

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