RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test				(See Instruc	tions on Rev	erse Side) .			
	en Flow liverabilty	,		Test Date 11/7/13	9 :				I No. 15 .077-21585- 0	00-00	
Company AGV Co						Lease Thomas				A-1	Well Number
County Harper		Location 430 FNL / 2230 FEL		Section 6				RNG (E 8 W	/W)		Acres Attributed
Field Sullivan	South			Reservoi Stalnak				Gas Gar West V	thering Conne Vichita	ection	
Completion Date 03/07/2012				Plug Bac 4312	k Total Dep	th		Packer S	Set at		
Casing S 5-1/2	ize	Weight 14		Internal (Internal Diameter		Set at 4496		rations 8	то 36 72	
Tubing Size 2-7/8		Weig	Weight		Internal Diameter		Set at 3651		orations	То	
Type Con Single	npletion (Describe)		Type Flui Water	Type Fluid Production Water		Pump Unit or Traveling Flowing		Plunger? Yes	/ No	
Producing Tubing	g·Thru (A	nnulus / Tubii	ng)	% C	% Carbon Dioxid		% Nitrogen		Gas Gravity - G _g		
Vertical D 3651	epth(H)				Pres	sure Taps			-	(Meter	Run) (Prover) Siz
Pressure Buildup:		Shut in 20		20_13_at	13 at		PM) Taken 11/8		20	13 at	(AM) (PM)
Well on L	ine:	Started	:	20 at		(AM) (PM)	Taken		20	at	(AM) (PM)
		Circle		7	OBSERVE	D SURFACE				Duration of Shut	t-in 24 Ho
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Press psig (Pm	Differential in	1 t Temperature Tempera		Casir Wellhead F (P _w) or (P _t	ressure	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig psia		Duration (Hours)	Liquid Produced (Barrels)
Shut-In						201.6		F3	,	24	
Flow	,										
		Circle one:	<u> </u>		FLOW STR	EAM ATTRI	BUTES	1			
Plate Coefficient (F _b) (F _p) Mcfd		Meter or Externology Prover Pressure psia		Grav Fac F	or Temperature		Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOR (Cubic F Barrel	eet/ Fluid
							1		17.6		1
D 13		(D.)3				ERABILITY))2 = 0.207
P _c) ² =	<u>;</u>	(P _w) ²	Choose formula 1 or	P _d =			- 14.4) +	14.4 =	: T	(P _d)2 =
$(P_c)^2 - (F_c)^2 - (F_c$	2 _a) ²	(P _c) ² - (P _w) ²	 P_c² - P_a² P_c² - P_c² divided by: P_c² - P_c 	LOG of formula 1. or 2. and divide by:	P _c ² - P _w ²	Slope Assi	sure Curve e = "n" origned rd Slope	n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilo (Mcfd)
							, , , , , , , , , , , , , , , , , , , 			77 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7	
Open Flov	n Flow Mcfd @ 14.65 psia				Deliverability				Mcfd @ 14.65 psia		
,		ed authority (-		tates that h			maka th		· · · · · · · · · · · · · · · · · · ·	as knowledge of
			said report is tru						lovember	it and that he h	as knowledge of, 20 <u>13</u>
							+	بدر	1	Rober	to
		Witness	(if any)						For C	ompany	KCC MIC
		For Com	mission						Chec	ked by	NOV 18

Instructions:

If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.