KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				t	(See Instr	ructio	ns on Re	verse Sid	le)			•		•	
= :	en Flor liverab				Test Date	e: -/ <i>4</i> _					I No. 15 1-20836-00-	00				
Company		erati	ing, Inc.			<u> </u>		Lease Campb	ei r				3-13	Well Nu	mber	
County Greeley	County Location Greeley SE SE SE				Section 13	•				RNG (E/W) 41W			Acres Attributed			
Field Bradsha	Bradshaw				Reservoir Winfield					Gas Gathering Connection DCP Midstream				<u> </u>		
Completion 9/27/05	on, Dat	0	<u> </u>		Plug Bac 2936	k Total D	epth			Packer	Set at					
Casing S 4.5	ize		Weight 10.5	•	Internal 0 4,052	Internal Diameter Set at 4.052 2940					rations 5 2886-28	 191	То			
Tubing Si 2.375	Tubing Size Weight 2.375 4.7			Internal 8 2.000	Internal Diameter Set at 2.000 2877			Perforations 2901-2913			То					
Type Completion (Describe) Single				Type Flui Water	Type Fluid Production Water				Pump Unit or Traveling Plunger? Yes / No Yes Rod							
	-	(Ann	ulus / Tubing)		% 0	Carbon Die	oxide	9		% Nitrog	gen		Gas Gr	avity - G	·	
Annulus Vertical D)					essu ange	re Taps	-				(Meter I	Run) (Pi	over) Size	
Pressure	Buildup	o: 5	Shut in	1-2 2	/4 _{at} _				Taken	4~	3 20	14 at_		00	AM) (PM)	
Well on L	.ine:	5	Started	20) at		_ (/	AM) (PM)	Taken_					•	AM) (PM)	
		_				OBSER	VED	SURFAC	E DATA	•		Duration	of Shut-	in 2	4 Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well H Temperature Temper t t		rature (P_w) or (P_t)		Pressure	Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)			Liquid Produced (Barrels)	
Shut-in	Shut-in		poig (* iii)	110.100 1120				psig	//3	psig	psia	2	24			
Flow				_												
				· · · · · · · · · · · · · · · · · · ·		FLOW S	TRE	AM ATTR	BUTES							
Plate Coefficient (F _b) (F _p) Mcfd		Clicta one: Meter or Prover Pressure psia		Press Extension P _m xh	Grav Fac F	or Temperatur		nperature Factor	Deviation Factor F _{pv}		Metered Flo R (Mcfd)	w	GOR (Cubic Feet) Barrel)		Flowing Fluid Gravity G _m	
					(OPEN FL				-					²= 0.2	07	
$(P_c)^2 = $ $(P_c)^2 - (P_c)^2 - ($		_ : (P,	_c) ² - (P _w) ²	thoose formula 1 or 2: 1. Pc²-Ps² 2. Pc²-Ps² wided by: Pc²-Ps²	P _d = LOG of formula 1, or 2, and divide by:	<u> </u>	_%	Backpre Slo As	Ssure Curv pe = "n" orsigned lard Slope	е	roe	Ant	(P _d) ⁱ tilog	Op Deli Equals	en Flow verability R x Antilog Mcfd)	
					-		<u>.</u>									
Open Flo	w w	_	20.		35 psia	<u></u>		Deliverat	ility			Mcfd @	14.65 ps	lia		
		•	authority, on	behalf of the	Company,	,			uthorized		he above rep	ort and th	at he ha	ıs know	ledge of	
uie racts s	itated ti	rereil	n, and inai sai	d report is true	HILL COTTEC	⊏xecui	ieu (f	ns me		day of _	in	Pin	Do KI	CC V	VICHITA	
		<u> </u>	Witness (if	алу)			-	-		_rwiu	For	Company	J	UN 2	0 2014	
		-	For Commis	ssion			-	-			Che	ecked by			EIVED	

exempt status ur and that the fore correct to the be	der penalty of perjury under the laws of the state of Kansas that I am authorized to request onder Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc. Horseshoe Operating, Inc. Horseshoe Operating, Inc. Horseshoe Operating and Inc.
• •	uest a one-year exemption from open flow testing for the Campbell 3-13
-	grounds that said well:
∫ further agre	is a coalbed methane producer is cycled on plunger lift due to water is a source of natural gas for injection into an oil reservoir undergoing ER is on vacuum at the present time; KCC approval Docket No is not capable of producing at a daily rate in excess of 250 mcf/D ee to supply to the best of my ability any and all supporting documents deemed by Commission by to corroborate this claim for exemption from testing.
Date: 6-/6	·- <u>14</u>

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.

proling . The tr.

19 4 Ban 10