KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	st:				(See Instruc	ctions on Re	everse Sid	le)			
=	pen Flow			Test Dat	e:			AP	l No. 15		
	eliverabili			8/5/	10				1-20656-00-0)0	
		erating, Inc.	- ************************************			Lease Watson	1			1	Well Number
County Greeley	<u>'</u>	Locati C SW/4		Section 17	•	TWP 20S	ma in a fa fa fa command manigany falys	RNG (E 39W	/W)		Acres Attributed
Field Bradsha	aw			Reservo Winfield		٠.			thering Conne lidstream	ection	
Complete 4-17-19			er ett sig er er kommune runnen minn ber gegag (p.a. 15)	Plug Bad 2831	ck Total Dep	th ·		Packer S None	Set at		
Casing Size 4.5		Weight 11.6		Internal Diameter 4.000		Set at 2831		Perforations 2800		то 2810	
Tubing Size 2.375		Weigh	t .	Internal Diameter 2.000		Set at 2811		Perforations		To	
		(Describe)			id Production				nit or Traveling	Plunger? Yes	: / No
	g Thru (/	Annulus / Tubing	1)		Carbon Dioxi	ide		% Nitrog	Unit - Rod	Gas G	iravity - G _g
Vertical C					Pres	sure Taps				(Motor	Run) (Prover) Size
			*		Flan	ge				2"	, , ,
Pressure	Buildup:	Shut in	<u>8/4 </u>	0 10 at_	9:20	(AM) (PM)	Taken	_8/.	5 20/	10 at 9:3	(AM) (PM)
Well on L	.ine:					_		•		at	
					OBSERVE	D SURFACE	E DATA			Duration of Shut	i-in 24 Hours
Static / Dynamic	Orifice Size	Meter Prover Pressu	Pressure Differential	Flowing Temperature	Well Head Temperature	Cas Wellhead	Pressure	Wellhe	ubing ad Pressure	Duration	Liquid Produced
Property Shut-In	(inches	psig (Pm)	inches H ₂ 0	t	t	(P _w) or (P	psia	(P _w) or psig	(P _t) or (P _c)	(Hours)	(Barrels)
	,500	/ 					65	ļ	_	24	
Flow					FI OW STR	EAM ATTRI	RIITES	<u></u>			
Plate		Circle one;	Press	Grav		Flowing	T				Flowing
Coeffiect (F _b) (F Mcfd	_p) /	Meter or Prover Pressure psia	Extension ✓ P _m x h	Fac	tor T	emperators Factor	1	iation otor	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	eet/ Fluid Gravity
						- 11	 				G _m
				(OPEN FL	OW) (DELIVI	ERABILITY)	CALCUL	ATIONS		(P.)	² = 0.207
(P _c) ² =	 :	(P _w) ² =_	: Choose formula 1 or 2:	P _d =		6 (P	_c - 14.4) +	14.4 =	: :	(P _d)	
(P _c) ² - (F or (P _c) ² - (F	P _a) ²	(P _c) ² - (P _w) ²	1. P _c ² -P _a ² 2. P _c ² -P _d ²	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Slop	sure Curve e = "n" or igned	nxL	og 📗	Antilog	Open Flow Deliverability Equals R x Antilog
· ·		d a sharing a	ivided by: P _c ² - P _w ²	, by:		Standa	rd Slope	·			(Mcfd)
					4-1						
Open Flow		Mcfd @ 14.65 psia				Deliverability			Mcfd @ 14.65 psia		
The u	ındersign	ed authority, on	behalf of the	Company, s	tates that he	is duly aut	horized to	make the	above report	and that he ha	s knowledge of
the facts st	ated ther	ein, and that sai	d report is true	and correct	. Executed	this the	<u> </u>	day of	ctobe	$\mathcal{U}_{}$, 20 <u></u> .
		Witness (if	any)				<u> </u>	rice	Kyple	Tip/ny	RECEIVED
(2:Ger-14:00-00-10-10-1	<u></u>	For Commis	sion						Checke	ed by	
									Oncone	,	ሰርፕ ላ አ 2010

KCC WICHITA

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
and that the foregoing pressure information and statements contained on this application form are true and
correct to the best of my knowledge and belief based upon available production summaries and lease records
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby request a one-year exemption from open flow testing for the Watson 1
gas well on the grounds that said well:
(Check one)
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
I further agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessary to corroborate this claim for exemption from testing.
4014140
Date: <u>/ // / / / / / / / / / / / / / / / / </u>
Signature: Janice Ripley
Title: Production Assistant

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.