KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Del Company	en Flow liverabilty											
Company	liverabilty			.Test Date	ı:			API I	No. 15			
		<u>'</u>		4-28-	//			15-	075-20775	<u>:-000</u>)	
		perating, In	C.			Lease Henry				2	Well Number	
County Location Hamilton C SE			Section 15		TWP 23S		RNG (E/W) 40W			Acres Attributed		
Field Bradshaw			Reservoir	Reservoir			Gas Gathering Connection DCP Midstream					
Completio 4-6-200				Plug Back 2546	k Total Dept	h	_	Packer S	et at			
Casing Si.	asing Size Weight .5 10.5			Internal D 4.052	Internal Diameter 4.052		Set at		Perforations 2508		то 2515	
Tubing Siz 2-3/8	ubing Size W 2-3/8 4.		ht	Internal D 2.000		Diameter Set at 2533		Perforations		То		
Type Completion (Describe) Single-Gas			Type Fluid Production Water			<u>.</u>	Pump Unit or Traveling Plunger? Yes / No Pump Unit					
Producing AN/	Thru (A	nnulus / Tubli	ng)	% C	arbon Dioxid	de		% Nitroge	9n	Gas Gr	ravity - G _g	
Vertical D					- 1	oure Taps			,,	(Meter	Run) (Prover) Size	
Pressure I	Buildup:	Shut in	4-27 2	o // at _	9:15	(AM) (PM) 1	aken	4-2	8 20	11 at 9:1	15 (AM) (PM)	
Well on Li	ine:	Started	2	0 at		(AM) (PM) 1	aken		20	at	(AM) (PM)	
		· · · · · · · · · · · · · · · · · · ·			OBSERVE	D SURFACE	DATA	···	************	Duration of Shut	in <u>24</u> Hours	
Static / Dynamic Property	Orifice Size (inches)		Meter Differential		Flowing Well Head Femperature t t		Casing Wellhead Pressure (P _w) or (P _t) or (P _t) psig psia		tibling od Pressure (P ₁) or (P ₀) psia	Ouration (Hours)	Liquid Produced (Barrels)	
Shut-In	.500							psig psia		24		
Flow												
			· ·		FLOW STR	EAM ATTRIE	UTES			- 	·	
Plate Coefficie (F _b) (F _p Mcfd	ent	Circle one: Meter or Prover Pressure psia	Press Extension P _m x h	Grav Fact F _g	or T	Flowing emperature Factor F _{f1}	Deviation Factor F _{ev}		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	set/ Fluid Gravity	
P _c)² =	:	(P _w) ² :	=:	(OPEN FLO	OW) (DELIVI	ERABILITY) 6 (P _e	CALCUL - 14.4) +		:) ² = 0.207	
(P _e) ² - (P or (P _e) ² - (P	5, ³)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: $P_c^2 - P_d^2$	1. P ₀ ² -P ₀ ² LOG of formula 2. P ₀ ² -P ₀ ² 1, or 2, and divide		Slope 	ssure Curve pe = "n" n : -or signed and Slope		n x LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow	l		Mcfd @ 14.	65 psia		Deliverabil	ity	L		Mcfd @ 14.65 ps	iia	
The u	ındersign	ed authority, o	on behalf of the	Company, s	tates that he	e is duly aut	horized t	to make th	e above repo	rt and that he h	as knowledge of	
e facts sta	ated the	ein, and that s	ald report is true	and correct	t. Executed	this the	4	day of	June	1.	, 20 _//	
		Witness	(if any)		·		Ja	nicl	Ky	Llly_		
		For Corn	wheelers			_	<i>V</i>		~~~	V JANCAC F	ORPORATION COMMIS	

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and that the correct to the of equipment	e under penalty of perjury under the laws of the state of Kansas that I am authorized to request as under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc. foregoing pressure information and statements contained on this application form are true and be best of my knowledge and belief based upon available production summaries and lease records trinstallation and/or upon type of completion or upon use being made of the gas well herein named. request a one-year exemption from open flow testing for the Henry #2
gas wei on t	he grounds that said well:
l further	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 agree to supply to the best of my ability any and all supporting documents deemed by Commissionessary to corroborate this claim for exemption from testing.
Date: 6-	14-11
	Signature: <u>Janice Ripley</u> Title: <u>Production Assistant</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.