## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				6	See Instruc	tions on Re	verse Side	<del>)</del> )	1	ı				
☐ or	en Flo	w			~ D				ADLA	45					
Deliverabilty				2-/6-/	Test Date: API No. 15 -/6-// 071-20836-00-00										
Company Horseshoe Operating, Inc.					<u> </u>	Lease Campbell							Well Number 3-13		
County Location Greeley SE SE SE				Section TWP 13 19S			RNG (E/W) 41W				Acres Attributed				
Field Bradsha				<u> </u>	Reservoir Winfield				Gas Gath	ering Connec	ction				
Completic		A				k Total Dept	th		Packer Se		<del> </del>	•			
9/27/05					2936				Portor	ations	То				
Casing Size 4.5			Weight 10.5		4.052		2940 Set at		Perforations 2885 2886-2891		1				
Tubing Size Weight 2.375 4.7					Internal Diameter 2.000			at 7	Perfora 2901	ations -2913	То				
Type Completion (Describe) Single					Type Flui Water	Type Fluid Production Water				Pump Unit or Traveling Plunger? Yes / No Yes Rod					
<del>_</del>	ց Դիгս	(Anr	rulus / Tubing	)	% C	% Carbon Dioxide % Nitrogen						Gas Gravity - G <sub>g</sub>			
Annulus															
Vertical Depth(H) Pressure Taps Flange										(Meter I 2"	Run) (Pr	over) Size			
Pressure Buildup: Shut In 2-15 20 1/ at 7:45 (AM) (PM) Taken 2-16 20 1/ at 7:45 (AM) (PM)															
Well on L	.ine:		Started	2			(AM) (PM)	Taken		20 _	at	(	AM) (PM)		
				<del></del>		OBSERVE	D SURFACI	E DATA			Duration of Shut-	in_2	4 Hours		
Static / Orific			Circle ons: Meter	Pressure Differential	Differential Flowing		Cas Wellhead	Pressure Wellhead		ibing d Pressure	Duration	n Liquid Produced			
Dynamic Property	Siz (inch		Prover Pressu psig (Pm)	re In Inches H <sub>2</sub> 0	Temperature t	Temperature t	(P <sub>w</sub> ) or (P	psla	(P <sub>w</sub> ) or i	(P <sub>s</sub> ) or (P <sub>c</sub> )	(Hours)	(E	larrels)		
Shut-In			P=.9 (0)	1			psig	95	poly	рыа	24		_		
Flow															
	•					FLOW STE	REAM ATTR	IBUTES							
Plate Coeffied (F <sub>b</sub> ) (F Mofd	lent ,)	Pro	Circle one: Meter or over Pressure psia	Press Éxtension	Grav Fac F	tor	Flowing Temperature Factor F <sub>11</sub>	F	viation actor F <sub>pv</sub>	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>		
									<u> </u>						
(P <sub>o</sub> )² =		:	(P <sub>w</sub> )² =	:	(OPEN FL		/ERABILITY % (F	) CALCUI -, - 14.4) -		:	(P <sub>a</sub> )	<sup>2</sup> = 0.2	07		
(P <sub>o</sub> ) <sup>2</sup> - (l		(F	°,)2- (P,,)2	1. P <sub>2</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> 2. P <sub>e</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> divided by: P <sub>e</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide		Backpre Slo	ssure Curve pe = "n" - or signed lard Slope	e n x l	og 📗	Antilog	Dell Equals	en Flow verability R x Antilog (Mcfd)		
Open Flow			Mcfd @ 14.65 psia				Deliverability		Mc		Mcfd @ 14.65 ps	fd @ 14.65 psia			
The	unders	iane	d authority. or	behalf of the	Company.	states that h	ne is dulv a	uthorized	to make th	e above repor	t and that he h	as know	ledge of		
		_	-	ild report is true				24	day of _	may	leir	REC	EIVED		
			Witness (i	l any)			-	0			ompany /	MAY	27-2011		
			For Comm	ission			•			Chec	ked by K(	CC V	VICHITA		

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	der penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
correct to the bes	going pressure information and statements contained on this application form are true and st of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named.
	rounds that said well:
(Chec	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
<u>√</u>	is not capable of producing at a daily rate in excess of 250 mcf/D
•	e to supply to the best of my ability any and all supporting documents deemed by Commissing to corroborate this claim for exemption from testing.
Date: <u>5-24</u>	<u>-//</u>
	Signature: <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.