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

Type Te	st:						(See In	struc	tions on Re	everse Sid	(e)		•				
_	pen Fl elivera					Teşt Dat	e:					No. 15	~~	~~			
		Dilly	<del></del>			1-6-11	<i>'</i>				15-	071-2010	6- <del>CC</del>	$\underline{\mathbf{u}}$	)		_
Company Horseshoe Operating, Inc.					Lease Gibson							Well Number					
County Location Greeley C SE				Section 26			TWP 17S		RNG (E/	W)	-	Acres Attributed			_		
Field Bradshaw					Reservo	Reservoir					Gas Gathering Connection					_	
Completion Date						Chase Plug Back Total Depth					DCP Midstream Packer Set at				<del></del> -		
6/7/76						3010	3010				None Perforations						
Casing Size Weight 4.5 9.5				4.052	Internal Diameter 4.052			Set at 3026		rations 5-2975		To 2935-2955					
Tubing Size Weight 2.375 4.7					Internal I	Diamete	er .	Set at 2890		Perfo	7	То					
Type Completion (Describe) Single Gas						Type Flui Water	Type Fluid Production					Pump Unit or Traveling Plunger? Yes / No Yes					
Producing Thru (Annulus / Tubing)						% (	% Carbon Dioxide					% Nitrogen Gas Gravity - G					-
Annulu: Vertical E	<del>-</del>	H)						Press	виге Тарв				Ü	Motor E	lun\ (De	mon Clas	_
3035																	
Pressure Buildup: Shut in 1-5 20 11 at 9:30 (AM) (PM) Taken 1-6 20 11 at 9:30 (AM) (PM)									_								
Moll on these States										AM) (PM)							
	-				· ··· <u>-</u>	•	OBSE	RVE	D SURFAC	E DATA			Duration of	f Shut-l	2	4 Hour	<b>-</b>
Static / Orifice Gircle one: Pressure Dynamic Size Meter Differential				Flowing Well Head			Casing Wellhead Pressure		Ti Walihas		Duration		Liquid Produced				
Property	roperty (Inches) Prover		Prover Pres psig (Pm	Pressure in		Temperature t	Tempera	ature	(P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>3</sub>			(P <sub>1</sub> ) or (P <sub>s</sub> )		(Hours)		(Barrels)	
Shut-In	1.2	5						_	,g	33	peng psia		24		_		1 /
Flow														<del></del>			1'
							FLOW	STR	EAM ATTR	IBUTES	··						
Plate Coefficient (F <sub>k</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Mater or  Prover Pressure psia			Press Extension P <sub>m</sub> x h	Gravity Factor F <sub>a</sub>		Flowing Temperature Factor F <sub>II</sub>		Fe	lation actor	Metered Flow R (Mcft)		GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
					-				·			<del>-</del>	-			<u> </u>	1
(P <sub>e</sub> )² =		_:	(P <sub>w</sub> ) <sup>2</sup>	=	:	(OPEN FLO	OW) (DE	ELIVE	ERABILITY	) CALCUL P <sub>e</sub> - 14.4) +			•	(P <sub>s</sub> ) <sup>2</sup> (P <sub>d</sub> ) <sup>2</sup>	= 0.20	17	Ļ
(P_)2- (F	, )2	(P	。)2 - (P_)2	Choc	Se formula 1 or 2:	LOG or	Γ	٦	Backpre	ssure Curve		<u>·</u>		\(\frac{1}{6}\)\(\frac{1}{1}\)		n Flow	]
or (P <sub>a</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>		, (F <sub>a</sub> ) (F <sub>w</sub> )-		2	odby: P.*-P.*	tormula 1. or 2.  and divide p 2. p		, 2 Assig		pe = "n" - or signed ard Sicpe	n x L	og	Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)		
														_			1
Open Flov	<u>_</u>			-	Mcfd @ 14.6	5 psla			Deliverab	ility			Mcfd @ 14.	.65 psla			<u> </u>
The u	ndersi	gned	authority, c	on be	half of the	Company, s	lates th	at he	is duly au	ithorized to	o make the	above repo				adge of	•
					eport is true					$\boldsymbol{a}$	day of	may	· //.	<del></del> -	_ kੂੰ	<u>. [[</u>	ED
			Witness	(If arry)	<del></del>	<del></del>	· · · · · · · · · · · · · · · · · · ·	-	-	9	anu	L For G	plli brnparry	<del> </del>	M	Y 12	 2011
			For Corns	mission	1			_	-			Chec	ked by		VC.	C WIC	LIT

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 Gibson 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
Date: 5/9///
Signature: <u>Production</u> 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.