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

Type Tes				•	ė	(See Instruc	ctions on Re	verse Side	<b>=)</b>	,	-		
	pen Flow eliverabilt	у			Jest Dat	e: )_//			API 15-	No. 15 071_20176	~00-00	i	
Company		perating I	nc	·	J 00	10	Lease Sell	<del> </del>	10-	07 1-20170	1-9	Well Nu	mber
Horseshoe Operating, Inc.  County Location Greeley NE NE			Section 9	<u> </u>	TWP			N)	Acres Attribut		ttributed		
Field Bradsh					Reservoi					ering Conne			
Completion Date 8/80				Plug Back Total Depth 2960				Packer Set at None					
Casing Size Weight 4.5 9.5			Internal I 4.09	Diameter	Set at <b>3014</b>		Perforations 2904		то 2948		<del></del>		
Tubing Size Weight 2.375 4.7			Internal I 1.995	Diameter	Set at <b>2950</b>		Perforations		То				
Type Con Single (		(Describe)			Type Flui Water	d Productio	n		Pump Uni Yes	t or Traveling	Plunger? Yes		
Producing Annulus		Annulus / Tub	ing)	aum f	% C	arbon Diox	ide	***	% Nitroge		Gas Gı	ravity - G	i <sub>o</sub>
Vertical Depth(H)				'	Pressure Taps Flange				(Meter Run) (Prover) Size			over) Size	
	Buildup:	Shut in	5-	21 2	0/2 <sub>at</sub> /	0:32	(AM) (PM)	Taken	5-2	2 20/	2 at 10:3	32	AM) (PM)
Well on Li	ine:	Started	1.	20	) at		(AM) (PM)	Taken		20 .	at	(	AM) (PM)
	Charles				**	OBSERVE	D SURFACE	E DATA			Duration of Shut	in_2	Hours
Static / Dynamic Property	Orifice Size (inches)	Circle one:  Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Weilhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	.150	)	_	2			psig 64	psla	psig	psia	24		
Flow									<u> </u>				
					<del></del>	FLOW STF	REAM ATTR	IBUTES					<del></del>
Plate Coefficcie (F <sub>b</sub> ) (F <sub>p</sub> Mcfd	ent	Gittle one:  Meter or  Prover Pressure  psia		Press Extension	Grav Fact F <sub>g</sub>	or	Tomporolius		lation ctor	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>
:			,										
(P <sub>c</sub> ) <sup>2</sup> =		(D )2			•		ERABILITY)					² = 0.20	17
(1 c) —	<del></del> :	(P <sub>w</sub> ) <sup>2</sup>		se formula 1 or 2:	P <sub>d</sub> =		1	2 <sub>c</sub> - 14.4) +			(P <sub>d</sub> )	1 =	==
(P <sub>c</sub> ) <sup>2</sup> - (P or (P <sub>c</sub> ) <sup>2</sup> - (P	a) <sup>2</sup>	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		P <sub>2</sub> -P <sub>2</sub> P <sub>2</sub> -P <sub>2</sub> P <sub>3</sub> -P <sub>2</sub>	LOG of formula 1. or 2. and divide by:	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Backpressure Curve Slope = "n"or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
			) 37)					<del></del>					
Open Flow			1	Mcfd @ 14.6	5 psia	1	Deliverab	ility			1cfd @ 14.65 ps	ia	
The ur	ndersign	ed authority, o	on-be	half of the (	Company, s	tates that h	e is duly au	ithorized to	o make the	above report	t and that he ha	is knowle	edge of
he facts sta	ated there	ein, and that s	said r	eport is true	and correct	. Executed	this the	7	day of	July D.		, 2 R	。ノム ECEIVED
	<del></del>	Witness	(if any)	)		· .	· ·-	- Je	nice	J KY F¶r⊙	mpany /		L 13 2012
	<del> </del>	For Com	mission	)		<del></del>	<del>-</del>		<del></del>	Check	ed by		
					* *							KCC	: WICHIT

l decla	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request
1	atus under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	he 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
1	ent installation and/or upon type of completion or upon use being made of the gas well herein named.  by request a one-year exemption from open flow testing for the Sell 1-9
gas weii ui	n the grounds that said well:
	(Check one)
	is a coalbed methane producer
	is cycled on plunger lift due to water
ĺ	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
1	is not capable of producing at a daily rate in excess of 250 mcf/D
· ;	
I furthe	er agree to supply to the best of my ability any and all supporting documents deemed by Commissio
staff as ne	cessary to corroborate this claim for exemption from testing.
Date: <u>7-</u>	9-12
[	Signature: <u>Anice Ripley</u> Title: <u>Production Assistant</u>
	Wad until Assistant
 	Title: YVOLUCT, VN M3515TAN

## 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.