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

Туре То							(See Inst	ructions on R	leverse Si	de)	* =: (ABIE)	· · · · · ·		
Deliverability				2-3-	ate:		API №. 15 15-071-20036 ~ ○○○○							
Compa						<b>7</b> . J.	//	Lease	<del></del>		3-071-200	<u> </u>	<u> </u>	
Horseshoe Operating, Inc.							Thompson			1	Wéll Nu	moer		
Greeley C SW			n Section			TWP 20S		RNG (E/W)		<u> </u>	Acres A	ttributed		
Field Bradshaw						Reservoir Chase		-		Gas Gathering Cont DCP Midstream		nection		··•·
5/13/7		•				Plug Ba 2789	ck Total De	epth		Packer None	Set at			
Casing : 4.5		Weight 9.5			Internal Diameter 4.09		Set at <b>2788</b>		Perforations 2772		то 2784		·· <u>·</u>	
Tubing Size 2.375			Welght 4.7			Internal Diameter 1.995		Set at <b>2777</b>		Perforations		То	<del></del> .	
Type Co Single	Gas		-			Type Flu Water	id Producti	on		Pump t	init or Traveling	Plunger? Yes	/ No	
Producin Annulu	S		lus / Tuț	ing)		% (	Carbon Dio	xide		% Nitro	gen	Gas G	ravity - G	, ,
Vertical E 3030	Depth(H)			•				Saure Taps	p		····	(Meter	Run) (Pro	ver) Size
Pressure	Buildup	Sh	ut in	2	2	20 <u>//</u> at _	9:15	(AM) (PM)		2-	3	11 at 90	15/	M) (PM)
Well on L	ine:	Sta	artëd		2	0 at		(AM) (PM)	Taken		20	at	(A	M) (PM)
,	•	_	+ + +				OBSERV	ED SURFACI	E DATA			Duration of Shut-	in 2	4 Hours
Statle / Dynamic Property	Orlfice Size (inches	ze Mata		sure	Pressure Differential In Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>4</sub> ) psig psia		Wellho	Tubing ead Pressure or (P <sub>1</sub> ) or (P <sub>2</sub> )	Duration (Hours)	Uquid Produced (Barrels)	
Shul-In					- <del></del>		ı		97	_ PAN	JANE .	211	<del> </del> -	
Flow									<del>- 1</del>				<del>                                     </del>	
							FLOW STE	REAM ATTRI	BUTES	<u> </u>	L	<del>.</del>	<u></u>	
Plate Coeffieclent (F <sub>b</sub> ) (F <sub>p</sub> ) Mold		Girle ore: Moler or Prover Pressure psia		-	Press Extension	Grav Fact	or i	Flowing Temperature Factor Fit	Devi Fac F	tor	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>
·			<del></del>			/OBEN EL C	WO (DELV)	EDADU MEDO						
` P <sub>e</sub> )² =	:		(P <sub>w</sub> )2:	=	:	P <sub>a</sub> =_		ERABILITY) % (P.	- 14.4) +				= 0.207	
(P <sub>e</sub> ) <sup>2</sup> - (P <sub>e</sub> or (P <sub>e</sub> ) <sup>2</sup> - (P <sub>e</sub>	- 1	(P <sub>a</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or 2  1. Pa²-P²  2. P²-P²  divided by: P²-P²				Backpressure Curve Slope = "n"				(P <sub>d</sub> ) <sup>2</sup> . Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
pen Flow					ficid <b>©</b> 14.6	5 nela		Doğrarabili						
	dersione	rd and	hority o					Deliverabili				lcfd @ 14.65 psia		
facts stat	led there	in, ar	nd that sa	aid re	port is true a	and correct.	Executed I	is duly auth	norized to	make the	above report	and that he has	knowled	ge of
<del></del>		<u>-</u> -	Witness (	l erry)	<del></del>					ani		eley_	RECE	IVED
<u> </u>			For Comm	lasion	<del>_</del>	<del></del>	<del></del> -			· 	Check		MAY 2	7 2011

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
gas well on the grounds that said well:
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.
Date: 5-24-11  Signature: Apley
Title: <u>Production</u> HSSistant

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.