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

Type Test	::				(-	See Instructi	ions on Reve	rse Side	)				
_ :	en Flo liverab				Test Date				API 15-	No. 15 075-20783	-60-00		
Company		Оре	rating, Inc		Jaa	101	Lease Herrmar	nn A			. 1	Well Number	
County Hamilto		•	Locatio N/2 SV	n	Section 24				Acres Attributed 480				
Field Bradsh	aw				Reservoir					nering Conne li <b>dstream</b>	ction		
Completic 4-4-200		е			Plug Bac 2542	k Total Dept	h		Packer S	Set at			
Casing Size 4.5			Weight 10.5		Internal Diameter 4.052		Set at		Perforations 2497		To 2503		
Tubing Si 2-3/8	Tubing Size 2-3/8		Weight 4.7		Internat D 2.000	iameter	Set at <b>2509</b>		Perforations		То		
Type Con Single-C		n (De	escribe)		Type Fluid Water	d Production	1		Pump Ur Pump	it or Traveling <b>Unit</b>		/ No	
Producing	Thru	(Anr	nulus / Tubing	)	% C	arbon Dioxid	de .		% Nitrog	en	Gas Gı	avity - G <sub>g</sub>	
Vertical D	Pepth(F		······································			Press	sure Taps				(Meter	Run) (Prover) Size	
				<u> </u>			lange				<u> </u>		
Pressure	Buildu	p: :	Shut in	5-21 2	$0/2$ at _	8:06	(AM) (PM) 1	Taken	5-2	2 20	12 at 8:0	06 (AM) (PM)	
Well on L				2	0 at	<del></del>	(AM) (PM) T	Taken	<del></del> ,	20	at	(AM) (PM)	
			•			OBSERVE	D SURFACE	DATA	т————		Duration of Shut	in 24 Hours	
Static / Dynamic Property	Orifi Siz (inch	е	Circle one:  Meter Prover Pressui psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	Casin Wellhead P (P <sub>w</sub> ) or (P <sub>t</sub> )	ressure or (P <sub>c</sub> )	Wellhe	rubing ad Pressure r (P <sub>t</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	.62	35	psig (Fill)	inches H <sub>2</sub> 0			psig	60	psig	psia	24		
Flow					*********								
					<del></del>	FLOW STR	EAM ATTRIE	BUTES				<del></del>	
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient	Pro	Circle one: Meter or over Pressure psia	Press Extension P <sub>m</sub> x h	Grav Fact F <sub>c</sub>	tor T	Flowing femperature Factor F <sub>II</sub>	F	viation actor F <sub>pv</sub>	Metered Flow R (Mcfd)	GOR (Cubic Formal Barrel	eet/ Fluid	
			•	**									
					OPEN FL	OW) (DELIV	ERABILITY)					)2 = 0.207	
(P <sub>c</sub> ) <sup>2</sup> =	<del></del> 1	<del>-</del> :	(P <sub>w</sub> ) <sup>2</sup> =_	: Choose formula 1 or 2	P <sub>d</sub> = '				+ 14.4 =	<del>:</del>	(P <sub>d</sub>	)2 =	
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F		(P	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> ivided by: P <sub>c</sub> <sup>2</sup> - P <sub>d</sub>	LOG of formula 1. or 2: and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Assi	sure Curve e = "n" origned rd Slope		LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
							,						
Open Flo	l			Mcfd @ 14.	65 neia		Deliverabil	lity			Mcfd @ 14.65 ps	sia	
,		igned	d authority, on			states that h			to make t			as knowledge of	
the facts s	tated ti	herei	n, and that sa	id report is tru	e and correc	t. Executed	this the	16	day of	June	1) · 1	, 20 /2 .	
•			Witness (If	any)		RECE	IVEC -		4	mce For	COMPLEY		
··········			For Commi	ssion		JUL 0	<b>5</b> 2012 -	·	<i>U</i>	Che	cked by.		

KCC WICHITA

l declare under penalty of perjur	y 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.
	rmation and statements contained on this application form are true and
correct to the best of my knowledge a	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 exem	nption from open flow testing for the Herrmann A 概
gas well on the grounds that said wel	I:
(Check one)	
is a coalbed metha	
	er lift due to water
A) ,A	ral gas for injection into an oil reservoir undergoing ER e present time; KCC approval Docket No
	producing at a daily rate in excess of 250 mcf/D
is not capable of p	oroducing at a daily rate in excess of 250 mond
I further agree to supply to the be	est of my ability any and all supporting documents deemed by Commissio
staff as necessary to corroborate this	
•	
Date: 6-26-12	
Acc.	
	Signature:
	Title: Production 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.