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

Type Tes						(See Instrud	ctions on Rev	rerse Side	9)	<b>-</b>	-	
Open Flow Deliverabilty					Jest Date: 14				API No. 15 15-071-20597: <b>- 0900</b>			
Company Horseshoe Operating, Inc.							Lease Fecht			<u>, =5561</u>		Well Number
County Locatio				ion					RNG (E/V	W)		Acres Attributed
Greele:	-		C SW	···		Reservoir		198		nering Conne	ection	<del></del>
Bradsh Completi		te			Winfie Plum Bad	k Total Dep				idstream	m	
10/93					2976	2976					<del></del>	
Casing S		Weight 10.5			Internal Diameter 4.052		Set a 2999		Perforations 2898		2905	
Tubing Size 2.375			Weight 4.7		Internal I 1.995	Internal Diameter 1.995		t )	Perforations		То	
Type Con Single (		ı (De	escribe)		d Productio	n	Pump Unit		it or Traveling	Plunger? Yes	/ No	
Producing Thru (Annulus / Tubing)					Water % (	Carbon Diox	ide	% Nitrogen			Gas Gra	avity - G <sub>o</sub>
Vertical D	epth(H	)				Pres	ssure Taps				(Meter F	Run) (Prover) Size
2950				1-2	20 <i>1</i> 4 <sub>at</sub> _	D'M			4,2		14 at 8.	00.0
Pressure Well on L					20						/ at at	_
					_v al		-		<u>-</u>	20		<del>-3//</del>
Charle 4	Circle one: Pressure					ED SURFACE Casi			ubing	Duration of Shut-	in_ <i>&amp;\frac{4}{}</i> Hours	
Static / Dynamic Property	Orifice Size (Inches)		Meter Prover Pressu	Differential ire in	Flowing Well Head Temperature t t		Wellhead F	Wellhead Pressure $(P_{\mu})$ or $(P_{t})$ or $(P_{c})$		ed Pressure (P <sub>1</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (Barrels)
Shut-In	315		psig (Pm)	Inches H <sub>2</sub> 0			pslg	psia psig		psia	24	
Flow	167.		<del></del> -					<u> </u>				
						FLOW STE	REAM ATTRI	BUTES				
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or  Prover Pressure  psia		Press Extension ✓ P <sub>m</sub> xh	Grav Fac F	or Temperature		Fa	riation actor =	Metered Flow R (Mcfd)	GOR (Cubic Fer Barrel)	Flowing Fluid Gravitý G <sub>m</sub>
		<del> </del>		<del></del> -	<del> </del>	_	<u> </u>					
<u> </u>	1).			<del></del>	(OPEN FL	OW) (DELIV	/ERABILITY)	CALCUL	ATIONS	1	(P_)°	= 0.207
(P <sub>c</sub> )2 =		: (P <sub>w</sub> ) <sup>2</sup> = :			P <sub>d</sub> =					<del>:</del>	(P <sub>0</sub> )	
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> or		(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>	P <sub>a</sub> <sup>2</sup> LOG of formula		Backpressure Co		: _   пх\	.og \	Antilog	Open Flow Deliverability
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>				2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	ana avvoe   p z p		Assigned Standard Slope			L	<u>_</u>	Equals R x Antilog (Mofd)
						7						
					<del></del>		<u> </u>				<del></del> -	
Open Flov				Mcfd @ 14		•	Deliverabi	<del></del>			Mcfd @ 14.65 psi	
				n behalf of the	_		-	thorized t	day of	e abeye repo	rt and that he ha	s knowledge of
<del></del>			Witness (i	fany)	<del></del>			/	Juru	For C	Ampany KAN	RECEIVED ISAS CORPORATION COMMIS
			For Comm	ission	<del>-</del>		_		<del>-</del>	Chec	ked by	ALIC O o godi

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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 Fecht B-2											
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: 8-4-14											
Signature: Anice Ripley  Title: Kroduction 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.