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

Type Test:					(See Instru	ctions on Re	everse Sid	le)				,	
Open F				Test Dat	e; //			AF	Pl No. 15	6001			
Company Horseshoe C		ting lac	-	4-3-	17	Lease Beard	•	15	-071-20040	1	Well Nu	mber	
County Location			Section				RNG (E	-/W)		Acres Attributed			
Greeley C SE			36			20S							
Field Bradshaw				L. Winf	Reservoir L. Winfield				Gas Gathering Connection  DCP Midstream				
Completion Date 3/19/73				Plug Bac 2798	Plug Back Total Depth 2798				Set at				
Casing Size 4.5"				Internal	Diameter		Set at 2829		Perforations 2770		то 2775		
Tubing Size 2"				Internal 1	Internal Diameter Set at 2748			Perfe	orations	То	То		
Type Completion (Describe) Single Gas					Type Fluid Production Water			Pump Unit or Traveling Plunger? Yes / No Yes .					
Producing Thr	u (An	nulus / Tubin	ig)	% (	Carbon Diox	dde		% Nitro	gen	Gas G	Gravity - G	ìo	
Annulus Vertical Depth	/LI\	<del></del>		_	Pro	ssure Taps		- "	-	(Mate)	Pun\ /Dr	over) Size	
verticai Depini	(П)				, FIE	ssure raps		•		(INIGIE)	nuii) (Fi	0461) 5126	
Pressure Build	lup:	Shut in	4-2	20 <i>14</i> at_	8:30	(AM) (PM)	Taken	4-0	3	14 at 87	30	ÁM) (PM)	
Well on Line:		Started	:	20 at		(AM) (PM)	Taken		20	at	(	AM) (PM)	
		,	_		OBSERV	ED SURFACI	E DATA			Duration of Shu	t-in <u> </u>	Hours	
Dynamic Si	ic Size Prover Pressure			Temperature	Well Head Temperature	t Wellhead Pro		$(P_w) \propto (P_t) \propto (P_c)$		Duration (Hours)		Produced arrels)	
Shut-In 5	.50		mores n <sub>2</sub> 0			80.	psia	psig	psla	24			
Flow	,												
			,		FLOW ST	REAM ATTR	IBUTES				•		
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd Pri		Circle one: P Meter or Extr Prover Pressure psia		Grav Fac F <sub>c</sub>	tor	Flowing Temperature Factor F <sub>II</sub>	Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	GOR (Cubic F Barre	eet/	Flowing Fluid Gravity G <sub>m</sub>	
	1,			(OPEN FL	OW) (DELII	/ERABILITY)	CALCUL	ATIONS			·		
(P <sub>c</sub> ) <sup>2</sup> =	<u></u> :	(P <sub>w</sub> ) <sup>2</sup> =	::	P <sub>d</sub> =		% (F	c - 14.4) +	14.4 = _	;		) <sup>2</sup> = · 0.20 ) <sup>2</sup> =		
$(P_c)^2 - (P_d)^2$ or $(P_c)^2 - (P_d)^2$	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. P <sub>c</sub> <sup>2</sup> -P <sub>c</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> -P <sub>c</sub>	LOG of formula 1, or 2, and divide	P,2 - P,,2	Backpressure Curv Slope = "n" or Assigned Standard Slope		n x		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flow	1		, Mcfd @·14	.65 psia		Deliverab	ility		<u> </u>	Mcfd @ 14.65 ps	sia		
The under	signed	authority, o	n behalf of the	Company, s	tates that I	ne is duly aນ	thorized to	o make th		t and that he h	as knowle	edge of	
ne facts stated	therei	n, and that s	aid report is tru	e and correc	. Executed	I this the	10_	day of	Jun	<del></del>	(CC \	。 <u>/ 7</u> . NICHI7	
		Witness (	If any)			-		ani	CO KI	plly-	JUN 2	0 2014	
		For Comm	nission		<del></del>	-	V		Chec	ked by		CEIVED	

l de	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	t 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
	ment installation and/or upon type of completion or upon use being made of the gas well herein named. reby request a one-year exemption from open flow testing for the Beard #1
	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
	ther 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:	6-16-14

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.

Title: Production Assistant

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.

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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.