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

Type Test	t:				(See Instruc	tions on Rev	rerse Side	)				
= :	en Flow liverabilt			4-3-	: 14			· API N	No. 15 171-20727	-0000		
Company Horses		perating, Ir	nc.	<u>,, , , , , , , , , , , , , , , , , , ,</u>		Lease Harris				A-2	Well No	ımber
County Greeley		Loca C NV	ation V	Section 15		TWP 20S		RNG (E/W) 40W		·	Acres Attribute	
Field Bradshaw			, Reservoi Winfie				Gas Gathering Conne DCP Midstream		ction 1			
Complétion Date 8/31/00				Plug <sup>i</sup> Bad 2844	k Total Dep	th 	h 		Packer Set at None			
Casing Size 4.5			Weight 10.5		Internal Diameter 4.052		Set at 2860		Perforations 2811		то 2816	
Tubing Size 2.375		Weig 4.7	ght	Internal Diamete 1.995		Set at <b>2839</b>		Perforations		То		
Type Completion (Describe) Single Gas				Type Flui <b>Wate</b> r	d Production	n	Y		Pump Unit or Traveling Plunge Yes			
Producing <b>Annulus</b>	•	Annulus / Tubi	ng)	% (	arbon Dioxi	de		% Nitroge	n	Gas Gı	ravity - (	3,
Vertical D 2860	epth(H)				Pres	sure Taps				(Meter	Run) (P	rover) Size
Pressure Bulldup:		Shut in4-2		20/4 at 8.0		2 (AM) (PM) Taken_		4-3 20/		14, 8, 00		AM)(PM)
Well on Line:		Started	2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)
12.77	,				OBSERVE	D SURFACE	DATA			Duration of Shut	ر ام_in_	4 Hour
Static / Dynamic Property	Orlfice Size (inches	Meter Prover Pres	Differential sure in	Flowing Well Hea Temperature t		Casing  Wellhead Pressure  (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )  psig psia		Tubing Wellhead Pressure $(P_u)$ or $(P_l)$ or $(P_c)$ psig psia		Duration Lie (Hours)		d Produced Barrels)
Shut-In						µsig _	48.8	parg	ры	24		
Flow					EL OW OTE		IDITEO				<u></u>	<del></del>
		Circle one:		<del></del>	FLOW STH	EAM ATTRI	BUIES			т		T
Plate Coeffieci (F <sub>b</sub> ) (F <sub>f</sub> Mcfd	ient p)	Meter or Prover Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Extension Fact		Flowing Femperature Factor Fit	ature Factor		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	eet/	Flowing Fluid Gravity G <sub>m</sub>
		•	<u> </u>				·					
					• -	ERABILITY)			•		) <sup>2</sup> = 0.2	07
P <sub>c</sub> )² =		: (P <sub>w</sub> )2:	Chaose formula 1 or 2	P <sub>a</sub> =	<u></u>	т	<sup>2</sup> - 14.4) +		<del>:</del>	(P <sub>a</sub> )	) <sup>2</sup> =	<u> </u>
(P <sub>c</sub> ) <sup>2</sup> - (P or (P <sub>c</sub> ) <sup>2</sup> - (P	- 1	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. 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> divided by: P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	tomula 1, or 2. end divide		Backpressure Curv Slope = "n" 		nxL	og 📗	Antilog	Open Flaw Deliverability Equals R x Antilog (Mcfd)	
	$\perp$				/							
						<u></u>		<u> </u>	]		<u> </u>	
Open Flow	<u> </u>		Mcfd @ 14.	65 psia		Deliverab	ility	<del> </del>		Mcfd @ 14.65 ps	sia	
			on behalf of the said report is true				11.	day of	e apave repo	nt and that he h	as know	rledge of 20 <u>/4</u> .
	<u> </u>	Witness	(if any)		<del></del>	-		Jan	CC K	LIPLING KANSAS		EIVED ATION COM
	<del>-</del> -	Far Com	mission		<del></del>	_		<u>/</u>	Chec	ked by	ΔIIG	0 6 2014
										-		0 2017

	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.
	the foregoing pressure information and statements contained on this application form are true and
correct	o 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.  eby request a one-year exemption from open flow testing for the Harris A-2
	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
1 fur	her agree to supply to the best of my ability any and all supporting documents deemed by Commiss
taff as	necessary to corroborate this claim for exemption from testing.
lata.	8-4-14
/ale:	
	*
	Signature: Janice Ripley  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.