KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

lype les	st:				(See Instruc	tions on Hev	erse Siae))	• •	,		
□ o	pen Flow			Test Dat	۵٠			ΔPI	No. 15			
D	eliverabilty	y		5-22	12			15	071-20067	-00-00	•	
Compan		perating, I	nc.			Lease Harris				A-1	Well Number	
County Location Greeley C SW				Section 15			TWP 20S		W).		Acres Attributed 640	
Field Bradshaw				Reservoir Winfield				Gas Gathering Connection DCP Midstream				
Completion Date 11/74				Plug [®] Back Total Depth 2841				Packer Set at None				
Casing Size Weight 4.5 9.5			ght	Internal I 4.052	Diameter	Set at 2852		Perforations 2815		то 2822	The state of the s	
Tubing Size Weight 2.375 4.7			ght	Internal Diameter Set at 1.995 2839				Perforations To				
Type Completion (Describe) Single Gas				Type Fluid Production Water				Pump Unit or Traveling Plunger? Yes / No Yes				
Producing Annulus		nnulus / Tubi	ing)	% C	Carbon Dioxi	ide		% Nitrog	en	Gas Gr	avity - G _g	
Vertical E 2855	Depth(H)		<i>//</i>		Pres	sure Taps				(Meter	Run) (Prover) Size	
Pressure	Buildup:	Shut in	5-21	20/2af_	9:42	(AM) (PM)		5-2	220/	2 at 9:4		
Well on L	ine: .	Started	 :	20 at		(AM) (PM)	Taken		20 .	at	(AM) (PM)	
1.00			· ·		OBSERVE	D SURFACE	DATĂ			Duration of Shut-	in <u>24</u> Hour	
Static / Dynamic Property	Orifice Size (inches)	Circle one Meter Prover Pres psig (Pm	Differential in	Flowing Temperature t	Well Head Temperature t	Casir Wellhead F (P _w) or (P ₁	ressure or (P _c)	Wellhe	ubing ad Pressure (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	.500					-	53	psig	psia	24	·	
Flow												
		<u> </u>		,	FLOW STR	EAM ATTRI	BUTES		· •			
Plate Coeffieci (F _b) (F Mcfd	ient P	Circle one: Meter or rover Pressure psia	Press Extension Pmxh	Grav Fact F _g	or T	Flowing Femperature Factor F _{II}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	et/ Flowing Fluid Gravity G _m	
			1	(ODEN EL C	- <u> </u>	ERABILITY)	CALCU	ATIONS				
(P _c) ² =	<u>:</u>	(P _w) ²	=:	P _d =) (DELIVI		- 14.4) +		• ,	(P _a) ²	² = 0.207 ² =	
(P _c) ² - (F or (P _c) ² - (F	- h	(P _c)² - (P _w)²	1. P _c ² -P _a ² 2. P _c ² -P _d ² divided by: P _c ² -P _d	LOG of formula 1. or 2. and divide	P.2. P.2	Slope Assi	sure Curve e = "n" or gned d Slope	пхі	.og []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
·····			! ·									
Open Flov	v	<u>.</u>	Mcfd @ 14	.65 osia	· •	Deliverabil	itv			lcfd @ 14.65 psi	<u> </u>	
		ed authority	on behalf of the	· · · · · · · · · · · · · · · · · · ·	lates that he			n make th				
			said report is tru	e and correct	Executed	this the)/_	day of(June	And that he ha	, 20 <u>/2</u> .	
	:	· .			RECEIV	EC .		anil	& Ky	pley		
		Witness	(if any)		IUL 05	2012	0	,	For C	mpany		
		For Com	mission						Check	ed by		

I declare under penalty of p	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	e information and statements contained on this application form are true and
correct to the best of my knowled	dge and belief based upon available production summaries and lease records
of equipment instailation 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 Harris A-1
gas well on the grounds that said	
(Check one)	
is a coalbed r	methane producer
is cycled on p	olunger lift due to water
is a source of	f natural gas for injection into an oil reservoir undergoing ER
is on vacuum	at the present time; KCC approval Docket No
is not capable	e of producing at a daily rate in excess of 250 mcf/D
I further agree to supply to the	he best of my ability any and all supporting documents deemed by Commission
	e this claim for exemption from testing.
Date: 6-26-12	
Date:	
•	
	. d
d,	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.