KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	st:						(See Ins	truc	tions on Revi	erse Sid	Θ)					
o	pen F	low				Tool Dat										
D				_Jest Date: 5-22-12						1 No. 15 5-20816-0 1	0-00					
Compan	y shoe	Оря	erating, I	nc.		000	Lease Braddock				Well Number				nuper	
County Location Hamilton C SW						Section 34			TWP 22S		RNG (E/W) 40W		Acres Attributed 640		Attributed	
Fleid Bradsh					Reservoir Winfield				Gas Gathering Connection DCP Midstream							
Completion Date 9-29-04							Plug Back Total Depth 2600 (TD)				Packer		***			
Casing Size Weight 4.5 10.5						Internal Diameter 4.052			Set at 2600		Perforations 2585		To 2593			
Tubing Size Weight 2.375 4.70						Internal Diameter 2.000			Set at 2599		Perforations		То			
							e Fluid Production ater				Pump Unit or Traveling Plunger? Yes / No					
Producing Thru (Annulus / Tubing)							% Carbon Dioxide				% Nitrogen Gas Gravity - G					
Vertical E	Depth(H)	. <u> </u>				P	res	sure Taps	,			(Meter	Run) (F	rover) Size	
Pressure	Build	up:	Shut in	5.	-21 2	0/2 _{st} _	6:4	Z	(PM) 1	aken	5-	22 20	12 at 6:4	7	(AM) (PM)	
Well on L			Started		20	0 at			(AM) (PM) 1	îaken		20	at		(AM) (PM)	
- <u>- </u>	<u> </u>		Citcle one	,	Pressure		OBSER	₹VE	D SURFACE		· · · · · · · · · · · · · · · · · · ·	Tubing	Duration of Shut	-in	74 Hours	
Static / Dynamic Property	Orii Si: (Incl	Tice Mater			Differential in Inches H _s D	Flowing Temperature t	Well Head Temperature t		Wellhoad Pressure (P _x) or (P _s) or (P _s)		Wellho (P _w) o	ad Pressure r (P _t) or (P _c)	Duration (Hours)	Liquid Produced (Barrets)		
Shut-In	.15	50						psig) 6	psig	psta	24			
Flow	<u>-</u>	_			<u>_</u>		<u> </u>									
							FLOW S	STR	EAM ATTRIE	UTES					, ,	
Plate Coefficient (F _b) (F _p) Mctd		Circle one: Meter or Prover Pressure psla		Press Extension P _m xh		Gravity Factor F ₆		Flowing Temperature Factor F ₁₁		Fa	iation actor	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G_	
· .												•				
(P _o)² =		<u>_:</u>	(P _w)2	= <u></u>	:	(OPEN FLO	OW) (DEI	LIVE %	RABILITY) (CALCUL - 14.4) +		:	(P _e) (P _d)) ² = 0.2	207	
$(P_a)^2 - (P_a)^2$ or $(P_a)^2 - (P_g)^2$		(P _a) ² - (P _u) ²		Choose formula 1 or 2: 1. P _a ² -P _a ² 2. P _a ² -P _d ² alvided by: P _a ² -P _w ²		LOG of formula 1. or 2. and divide by:			Backpressure Curv Slope = "n" or Assigned Standard Slope		n x LOG		AILUIUU I		pen Flow iverability s R x Antilog (Mcfd)	
 -											-			<u> </u>		
Open Flow	<u> </u>				Mcfd @ 14.6	5 psia			Delive rabilit	ty			Mcfd 9 14.65 ps	ia		
The u	nders	igned	authority, d	n be	shalf of the (Company, s	tates tha	t he	is duly auth	orized to	o make th	e above repoi	t and that he ha	s know	ledge of	
					eport is true					クク	day of	Juse			20 12.	
<u>.</u>	 -		Witness	(if any)		 -	-	_	<u>Ja</u>	nicl	Kip	OTTOBERS .	F	RECEIVE	
-			For Com	nission	1			-		· ·		Chec	ked by		JN 2 5 2	

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 Braddock #1 gas well 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
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: 6-22-12
Signature:

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.