KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

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Open Delive				Test Date				API N	lo. 15	~~~~ <i>~</i> ~			
	aunty			5-22	-12	Lease		15-0	1/1-20068	00-00	Well Number		
Company Horsesho	erating, In	IC		1815		Richmond			. 1		· .		
County Location Greeley C SE				Section 4		TWP 19S	19S		RNG (E/W) 40W			Acres Attributed 640	
Field Bradshaw				Reservoi L. Win	r field	·			Gas Gathering, Connection DCP Midstream				
Completion Date 1/75				Plug Bac 2948	ck Total Dep	th			tat				
Casing Size Weight 5.5 14				Internal i	Diameter		Set at 2949		Perforations To 2880 2897				
Tubing Size Weight 2.375 4.7				Internal I 1.995	Diameter		Set at 2885		itions	То			
Type Completion (Describe) Single Gas				Type Flui Water	Type Fluid Production Water			Pump Unit	or Traveling	Plunger? Yes / No			
roducing Th	ru (An	nulus / Tubir	ng)	% (% Carbon Dioxide			% Nitroge	ń	Gas Gravity - G _g			
ertical Depti 950	(H)		 	eri alla		sure Taps	1			(Meter F	Run) (Prover) :	Size	
ressure Buil	dup:	Shut in	5-21	20/2 at /	A . A .	(AM) (FM)	Taken	5-20	20/	2 at 12:6	35 (AMX)	M)	
				20 at	· · · · · · · · · · · · · · · · · · ·	(AM) (PM)	(AM) (PM) Taken		20		at (AM) (
HORSELF CO	Key	. 18 1/5 3.1		Recognized by a	OBSERVE	D SURFACE		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	Ouration of Shut-l	n 24	Hours	
ynamic 8	rifice Size ches)	Circle one: Meter Prover Press psig (Pm)	Differential in	Flowing Temperature t	Well Head Temperature t	Wellhead I	Casing Vetilhead Pressure O _w) or (P _t) or (P _c)		bing 1 Pressure P _t) or (P _c) psia	Duration (Hours)	1 '	Liquid Produced (Barrels)	
Shut-In 3	15	P-9 (1/1)				psig	72.6	psig	haid	24	8.3		
Flow													
	····		4		FLOW STE	REAM ATTRI	BUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd	Pro	Circle one: Meter or over Pressure psia	Press Extension P _m x h	Grav Fac	· .	Flowing Temperature Factor F ₁₁		iation actor pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Flow Flu Grav G	iid vity	
						(ERABILITY)				-	² = 0.207		
) ² =	=:	(P _w) ² =	Choose formula 1 or	P _d =			C - 14.4) +		:	(P _d):	I	 1	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(F	P _c) ² - (P _w) ²	 P_c² - P_a² P_c² - P_d² divided by: P_c² - P_d 	LOG of formula 1, or 2, and divide	P _c ² - P _w ²	Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
]	
pen Flow	٠. · 	· .	Mcfd @ 14	.65 psia		Deliverab	ility	· ·		/lcfd @ 14.65 psi	a		
		. 44			•		ithorized t		above repor	t and that he ha	s knowledge	of 2	
lacis stated		n, and that s	aid report is tru	e anu correc	ı. ⊏xecuted	i mis me	()a	day of n.I.L.	Rip	less	REC	EIV	
		Witness	(if any)	<u> </u>		-	1		or Co	ompany	JUL KCC V	13	
		For Com	nission	.,_,,	1	.			Chec	ked by	KCC	\//^	
										•	"ICC V	۱۱ ۲	

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 Richmond 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
is not capable of producing at a daily rate in excess of 250 mcf/D
. To flot dapable of producing at a daily fate in excess of 250 file//b
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: 7-9-12
Date
Signature: Qanice Ripley
Occaduation 1 1/55 's lant
Title:

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.