KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(See Instruc	tions on Rev	erse Side	9)	ı			
□ O _F	en Flo	ow			T 45.					ا ۔			
Deliverabilty					Test Date: 2-2-12			AP 07	00				
Company Horseshoe Operating, Inc.					001	<u> </u>	Lease Campbe	 [[Well Number	
County Greeley					Section 13		TWP 19S		RNG (E/W) 41W		Acres Attributed		
Field Bradshaw					Reservoir Winfield			Gas Gathering Connection DCP Midstream					
Completion Date 1/26/05					Plug Bac 2958	Plug Back Total Depth 2958			Packer				
Casing S	Casing Size Weight 4.5 10.5				Internal 6 4.052	Diameter	Set at 2963		Perforations 2873-85		To 2890-	то 2890-94	
Tubing Size Weight				internal [Diameter	Set at		Perforations		То	То		
2.375 4.7				2.000		2932							
Type Completion (Describe) Single					Type Flui Water	Type Fluid Production Water			Pump Unit or Traveling Plunger? Yes / No Yes Rod				
		ı (An	nulus / Tubing	3)	% C	arbon Dioxi	de		% Nitro	gen	Gas Gi	ravity - G _o	
Annulus Vertical C		ш				Droo	eura Tana				(Motor	Run) (Prover) Size	
Vertical Depth(H) 2960					Pressure Taps Flange			2"					
Pressure	Builde	-	Shut in								/2 at /0:	_	
Well on L	ine:		Started	2	0 at		(AM) (PM) 1	Taken		20	at	(AM) (PM)	
			,			OBSERVE	D SURFACE	DATA			Duration of Shut	in 24 Hours	
Static / Orifice Dynamic Size Property (inch		te Prover Pressure		Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t t		(P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Ouration (Hours)	Liquid Produced (Barrels)	
Shut-In	1.0						pslg 44	psia	psig	psia	24		
Flow													
						FLOW STR	EAM ATTRIE	BUTES	<u>.</u> .		 		
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension	Extension Factor		Flowing Femperature Factor F _{rt}	Deviation Factor F _p ,		Metered Flov R (Mcfd)	GOR (Cubic Fe Barrel)	Gravitu	
L										L			
(P _c) ² =		_:	(P _w) ² =	:	(OPEN FLO		ERABILITY) (CALCUL - 14.4) +		:	(P _a) (P _d)	² = 0.207 ² =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 2. 1. $P_c^2 - P_s^2$ 2. $P_c^2 - P_d^2$ Sivided by: $P_c^2 - P_s^2$	LOG of formula 1. or 2. and divide	P.2. P.2	Backpressure Cr Slope = "n" or Assigned Standard Slop		пх	roe	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flov	v	Mcfd @ 14.65 psia					Deliverabili	ty	Mcfd @ 14.65 psia				
		_	•	id report is true	and correct	RECEN	this the/	1/_	make the day of _	ine above repo	rt and that he ha	s knowledge of, 20 <u>/2</u> .	
			For Commi			APR 1 8	ZUIZ			Chec	ked by		
			· o. Qqmilli										

KCC WICHITA

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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 Campbell 2-13
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
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: 4/16/12
Signature: <u>Janice Ripley</u> Title: <u>Production Assistant</u>

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.