KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:			(-	See Instru	uctions on Re	everse Side))	•		
□ Оре	en Flow			Test Date	, •			API	No. 15		
✓ Del	liverabilty			05/20/20		24/2013			-20771 90	00	
Company Horsesh		ating, Inc.				Lease Marg H	unt +	. :		#2	Well Number
County Location Greeley W2 SW 1/4			Section 21	·			RNG (E/ 40W			Acres Attributed	
7 1010				Reservoir Lower Winfield			Gas Gathering Connection DCP Midstream				
Completic 10/23/03	on Date			Plug Back 3030	k Total De	epth		Packer S	et at		
ouoma ones			Internal D 4	Diameter				Perforations To 2944-2974			
Tubing Si 2.375	ubing Size Weight . .375 4.7		Internal Diameter 1.995			Set at 2938		Perforations		То	
					Type Fluid Production Salt Water			Pump Unit or Traveling Plunger? Yes / No No			
Producing Tubing	Thru (A	nnulus / Tubing)	,	% C	arbon Dio	oxide		% Nitroge	en	Gas Gı	ravity - G _g
Vertical Depth(H) 2959				Pressure Taps Flange					(Meter 2 incl	Run) (Prover) Size ใ	
		0_13_at_7		-	(AM) (PM) Taken 05/24		20	13 _{at} 9:00 A	M (AM) (PM)		
Well on L	ine:	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)
					OBSER\	/ED SURFAC	E DATA			Duration of Shut	in 98 Hours
Static / Dynamic Property	Orifice Size (inches)	Size Prover Pressure		Flowing Well Head Temperature t t t		Wellhead (P _w) or (F	(P _w) or (P ₁) or (P _c)		ubing ad Pressure (P _t) or (P _c) psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In		porg (r m)	Inches H ₂ 0			189	202.4	psig	рыя	98	n/a
Flow											
					FLOW S	TREAM ATTE	RIBUTES	 		· · · · • · · · · · · · · · · · · · · ·	
Plate Coefficcient (F _b) (F _p) Motd		Circle one: Meter or rover Pressure psia Press Extension √ P _m x h		Gravity Factor F _g		Flowing Temperature Factor F ₁₁	Temperature Fa		Metered Flow R (Mcfd)	y GOR (Cubic Fe Barrel)	Gravity
(D \2 -		: (P _w) ² =_		(OPEN FL	OW) (DEL	.IVERABILITY	/) CALCUL P _c - 14.4) +		···	(P _a)) ² = 0.207
$(P_c)^2 = $	•	(P _c) ² - (P _w) ²	hoose formula 1 or 2 1. $P_c^2 - P_s^2$ 2. $P_c^2 - P_d^2$ ivided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpre Sid	essure Curve ope = "n" - or ssigned dard Slope	, n x l	og [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flo	w		Mcfd @ 14	65 psia		Deliveral	bility			Mcfd @ 14.65 ps	ia
	_								ie above repo	ort and that he h	
he facts s	stated the	rein, and that sai	d report is tru-	e and correc	t. Execut	ed this the _U		day of	no R	inless	20 <u>13</u> . KCC WICH
		Witness (if	any)				J	wiu	Por	Company	<u>յսլ 05 20</u>
	-	For Commis	ssion						Che	cked by	RECEIV

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	joing 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 insta	allation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby requ	est a one-year exemption from open flow testing for theMarg Hunt #2
gas well on the gr	ounds that said well:
/Ohl-	
(Check	is a coalbed methane producer
H	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
	e to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: 06/04/13	·
	Signature: <u>Janice Ripley</u> Title: <u>Production</u> 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.