KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				(See Instruc	tions on Rev	verse Side	9)				
Open Flow			Test Dat 5-22					No. 15 -071-20185	-00 - 00	.	
Company Horseshoe C	Operating,	inc.	Jan		Lease Monroe	9			1-4	Well Number	
County Location Greeley SE NE SE			Section 4			TWP 18S		W)	1	Acres Attributed 640	
Field Bradshaw				Reservoir Chase			Gas Gathering Connection DCP Midstream				
Completion Date 2/80			Plug Bad 2970	Plug Back Total Depth 2970			Packer S None	Set at			
asing Size				Internal Diameter 4.052		Set at 3024		Perforations 2924			
ubing Size Weight 4.7			Internal 1.995	Diameter		Set at 2960		Perforations		То	
pe Completion	Type Flu Water	Type Fluid Production Water			Pump Unit or Traveling Plunger? Yes / No Yes						
roducing Thru	% (% Carbon Dioxide			% Nitrogen		Gas Gravity - G _g				
Pertical Depth(H) 8024				Pressure Taps Flange			(Meter Run) (Prover) Size				
ressure Buildup		5-21		,	(AM)(PM)	Taken			3 at 10;		
/ell on Line:	Started		_ 20 at		(AM) (PM)	Taken		20 .	at	(AM) (PM)	
				OBSERVE	D SURFACE	DATA			Ouration of Shut	-in <u>24</u> Hour	
namic Size	amic Size Proyer Pres		` ,	Well Head Temperature t Ca Wellhead (P _w) or (I		Pressure	(P_w) or (P_t) or (P_s)		Duration Liquid Prod (Hours) (Barrels		
thut-In .62		m) Inches F	20		psig	bla psia	psig	psia	24		
Flow											
				FLOW STR	REAM ATTR	IBUTES				-	
Plate oefficeient (F _b) (F _p) Mofd Circle one: Meter or Prover Pressure psia		Press Extension	Pπ Fac	tor 1	Flowing Temperature Factor F ₁₁		viation actor F _{pv}	· Metered Flow R (Mcfd)	GOR (Cubic F Barrel	eet/ Fluid	
.) ² =	_: (P)	2 <u></u>	(OPEN FL : P _d =	OW) (DELIV	•) CALCUI		•) ² = 0.207) ² =	
$(P_c)^2 - (P_a)^2$ $(P_c)^2 - (P_d)^2$ $(P_c)^2 - (P_d)^2$		Choose formula 1. P _c ² - P _c 2. P _c ² - P _c divided by: P _c ²	2 LOG of formula 1, or 2. and divide		Backpre- Slop As	ssure Curve pe = "n" - or signed ard Slope	· r	rod	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
				•							
pen Flow	·		14.65 psia		Deliverab				Acfd @ 14.65 p		
The undersign facts stated the						athorized 23	to make t	he above repor	t and that he h	nas knowledge of , 20 13	
					-		ani	ce Ri	pley	CC WICH	
		ss (if any)			-]	- Chec	ked by	JUL 25 201	
	For Co	ommission						5,,00		RECEIVE	

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 Monroe 1-4
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 Commissio
staff as necessary to corroborate this claim for exemption from testing.
Date: 1/23/13
Signature: <u>Anice Ripley</u> Title: <u>Froduction</u> Assistant
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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.