## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(	See Instruc	tions on Rev	erse Side	9)					
Open Flow			Toot Date:					4.0.						
Deliverabilty		ty	Test Date: 9-9-//				•		API No. 15 075-2070 <b>9-</b> 00-00					
Company		erating, Inc.					Lease Mai				. 1	Well I	Number	
County Hamilton		Lo	Location C NE		Section 8		TWP 23S		RNG (E/W) 41W			Acres Attributed 640		
Field Bradshaw					Reservoir Winfield				Gas Gathering Connecti Oneok		ction			
Completic 11-20-19			<del>, , , , , , , , , , , , , , , , , , , </del>		Plug Bac 2608	k Total Dep	th		Packer S None	Set at		<del></del>	·	
Casing Size 4.5			Weight 10.5		Internal Diameter 4.052		Set at 2607		Perforations 2506-17;42-49		То 25	то 2554-56;61-69		
Tubing Si 2.375	Tubing Size 2.375		Weight 4.7		Internal Diameter 1.995		Set at 2669		Perforations		То	То		
Type Completion (D Single - Gas		(Describe)			Type Fluid Producti Water				Pump Unit or Traveling Plu Pump Unit - Rod		Plunger?	unger? Yes / No		
Producing	Thru (	Annulus / Tu	bing)		% C	arbon Dloxi	ide		% Nitrog	en	Ga	s Gravity	- G,	
Annulus													<u> </u>	
Vertical C	epth(H)				<u>.</u> .	Flan	sure Taps ge		<u>.</u>		2"	,	(Prover) Size	
Pressure	Buildup	: Shut in _	(	<u>1-8</u> 2	0	9:30	(PM)	Taken	4	-920	// at	30	(PM)	
Well on L	ine:	Started _		20	D at		(AM) (PM)	Taken		20	at	···-	_ (AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of S	Shut-in	24 Hours	
Static / Orifice Dynamic Size Property (inches		Mete	Circle one:  Meter Prover Pressure psig (Pm)		Flowing Well Head Temperature t t		(P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>o</sub> ) psig psia		Ouration (Hours)	Liq	uid Produced (Barrels)	
Shut-In	.75			Inches H <sub>2</sub> 0			psig	71	psig	psia	24			
Flow						}					·			
						FLOW STE	REAM ATTRI	BUTES						
Plate Coefficient (F,) (F,) Mcfd		Gircle one: Meter or Prover Pressure psia		Press Gra Extension Fa  ✓ P <sub>m</sub> xh		tor	Flowing Temperature Factor F <sub>11</sub>	Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	(Cub	SOR ic Feet/ arrel)	Flowing Fluid Gravity G <sub>m</sub>	
		· · · · · · · · · · · · · · · · · · ·	]	· · · · · · · · · · · · · · · · · · ·				<u> </u>						
(P <sub>c</sub> ) <sup>2</sup> =		: (P"	)² =	<u> </u>			'ERABILITY) % (P	CALCUL - 14.4) +		:		$(P_a)^2 = 0$ $(P_d)^2 = $	.207	
(P <sub>e</sub> ) <sup>2</sup> - (I	- 1	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		ose formula 1 or 2.  1. Pc² - Pc²  2. Pc² - Pc²  3. ed by: Pc² - Pc²	LOG of formuta 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> . P <sub>u</sub> <sup>2</sup>	Slope  Assi	sure Curve = "n" or gned rd Slope		.oc [ ]	Antilog	D	Open Flow eliverability als R x Antilog (Mcfd)	
Open Flo				Mofd @ 14	65 peia		Daliyorahil	ib			Anid @ 14 SI	E noie		
Open Flo				Mcfd @ 14.			Deliverabil			····	Acid @ 14.65			
		ned authority erein, and tha						Q	o make th	e aboye repor	t and that h	e has kno	wledge of , 20 // .	
		Wilm	ess (if an	v)			_		anic	e Ky	elly	RFM	FNES	
											, V	· •=•	-1VCD	
,		For C	ommissi	on						Check	ed by	UCT 2	1 2011	

KCC WICHITA

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 Mai 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
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: _/0-/8-//
·
Signature: <u>Janice Ripley</u> Title: Production 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.