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

Type Tes	t:		•	(	(See Instruc	tions on Re	verse Side	)					
o <sub>1</sub>	en Flow			<b>-</b>				401		†			
Deliverabilty				Test Date: 4-3-/4				API No. 15 * 15-071-20154 <b>- 0000</b>					
Company Horses		erating, Inc		<u>,, , , , , , , , , , , , , , , , , , ,</u>		Lease Vester		<del></del>	<del>- (,-</del>	1	Well Nur	nber	
County Greele		Location N/2 NE		Section 11		TWP 17S		RNG (E/W)		. Acres Attribu 640		ttributed	
Field			r	Reservoi				Gas Gath	ering Conn	ection			
Bradsh		✓ ✓ Chase				Total Denth			DCP Midstream Packer Set at				
Completi 12/197	7		. <del></del>	2995				None				<del></del>	
Casing Size I.5		Weight 10.5		Internal Diameter 4.04		Set at 3001		Perforations 2952		то 2976			
Tubing Size 2.3 <b>75</b>		Weight 4.7		Internal Diameter 1.995		Set at <b>2927</b>		Perforations		То			
Type Cor Single (	npletion (D Gas	Describe)	Type Flui Water	d Productio	n	Pump L <b>Yes</b>		Unit or Traveling Plunger? Y		es / No			
Producing Annulus	-	nnulus / Tubing	)	% C	Carbon Diox	et		% Nitrogen		Gas Gravity - G			
Vertical E			<u> </u>	· · ·	Pres	sure Taps			,	(Meter	Run) (Pr	over) Size	
3005 Propouro	Quildo	Shut in	7-2 2	0/4 at _	8:00	(AM) (PM)	Taléas	42	3	14 at 8.0	00 %	AM) (PM)	
'ressure Vell on L		Shut in	<u>-</u>	:0∠_/_ at :0 at						•	_	AM) (PM) AM) (PM)	
			/ . / <u></u>	ے اللہ اللہ اللہ اللہ اللہ اللہ اللہ الل		(AM) (PM)	10/0511		20	al		·····/ (F NI)	
					OBSERVE	D SURFAC	E DATA		·	Duration of Shut-	<u>in 2</u>	4 Hours	
Static /	Orifice	Circle one: Meter	Pressure Differential	Flowing	Well Head	Casing Wellhead Pressure		Tubing Wellhead Pressure		Duration		Produced	
ynamic roperty	Size (Inches)	Prover Pressur psig (Pm)		Temperature t	Temperature t		Pressure P <sub>1</sub> ) or (P <sub>c</sub> )	(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		(Hours)	(Barrels)		
Shut-In	.625						131			24			
Flow	_												
					FLOW STE	REAM ATTR	RIBUTES						
Plate		Circle one: Press		Grav	Gravity		Flowing Dev		Metered Flor	w GOR		Flowing	
Coeffied (F <sub>b</sub> ) (F		Meter or rover Pressure	Extension	Extension Fac		Temperature Factor	erature Fac		, R	(Cubic Fe		Fluid Gravity	
Mofd	<u> </u>	psla	P <sub>m</sub> xh	P <sub>m</sub> xh F		Fn	F <sub>pv</sub>		(Mcfd) ————	, Barrel)		_ G <sub>m</sub> .	
									P 86				
) \2 <u>_</u>	•	/D \2		•		ERABILITY	-		•		² = 0.20	17	
ີ,)² ≕	<del></del> :	(P <sub>w</sub> ) <sup>2</sup> =_	thoose (ompla 1 or 2	P <sub>a</sub> =	<del></del>		P <sub>2</sub> - 14.4) +			(P <sub>a</sub> )		<del></del>	
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>n</sub> ) <sup>2</sup>		$(P_c)^2 - (P_w)^2$ 1. $P_c^2 - P_a^2$		LOG of formula	formuta		Backpressure Curve Slope = "n"		.og	Antilog		Open Flow Deliverability	
(P <sub>e</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>		2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>		1, or 2, and divide	and divide   p²_p²		Assigned Standard Slope			. Ailiiog	Equals R x Antilog (Mcfd)		
		<u> </u>			<del></del>		<del></del> _				-d		
V	ŧ	*		,					,				
pen Flo	v	, , ,	Mcfd @ 14.	65 psia		Deliverat	bility	1-	, ,	Mcfd @ 14.65 ps	ia		
The	ındereiana	d sutherity on	,	177	tates that h	n is duly a	uthorized <sup>-</sup> t	n make th	e ahove reco	ort and that he ha	e knowl	edian of	
	_	_	•		2	-	15		// An A i		- WINAN	. ///	
e racis si	ared inere	ein, and that sai	u report is true	and correc	. Executed	inis the	<del>/×</del>	day of	Mil	7: //a.	, 2	u <u>./7</u> .	
		Witness (if	any)					funu		Confipany (	KCC	WICH	
		For Commis	sion	· · · - · ·		-		· 	Che	cked by	ΛDD.		
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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.
! hereby request a one-year exemption from open flow testing for the Vester 1
gas well on the grounds that said well:
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:
Signature: <u>Anice 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.

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