## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Tes	t:						(See Ir	nstruc	tions on Re	everse	e Side	)					
Open Flow					T . D .				ADI NA 15								
Deliverabilty					7-/8-/3				API No. 15 15-071-20032 - 00-00								
Company		era	ting Inc				_/		Lease Winein	aer			1			Well N	umber
Horseshoe Operating, Inc.  County Location			Section	Section 7					RNG (E/W)				Acres Attributed				
Greeley C NW				35		198				40W							
Field Bradshaw				Reserv U. Wir						athering Conr Viidstream	nection						
Completi 12/1973		9				Plug Ba 2895	ack Total	Dep	th			Packer None	Set at				
Casing S 4.5	Casing Size Weight 4.5 9.5			Internal Diameter 4.09				Set at <b>2924</b>			orations 11		то <b>2851</b>				
Tubing S	Tubing Size Weight 2 4.7			Internal 1.995	Diamet	Set at <b>2852</b>			Perforations			То					
Type Completion (Describe) Single			• • •	Type Fluid Production Water				Pump Unit or Trave Yes Rod				ing Plunger? Yes / No					
Producing	g Thru	(Anı	nulus / Tubin	g)		%	Carbon	Dioxi	ide			% Nitro	gen		Gas Gr	avity -	G <sub>g</sub>
Annulus	S									/							
Vertical Depth(H) 2846				Pressure Tap: Flange								(Meter Run) (Prover) Size 3"					
Pressure	Buildup	):	Shut in	7	-17 2	0/3 at_	12:0	35	(AM) (PM)	Take	en	7-	18 20	<u>/3</u> at	12:0	35	(AM)(PM)
Well on L	ine:		Started		2	0 at_			(AM) (PM)	Take	en	···········	20	at			(AM) (PM)
							OBS	ERVE	D SURFAC	E DA	\TA	······		Duratio	n of Shut-	in <u>Ó</u>	34 Hours
Static / Orlf Dynamic Siz		ze Prover Pressu		ıre	Pressure Differential in	Flowing Well He Temperature Tempera		rature	I Wallhead P				Tubing ead Pressure or (P <sub>1</sub> ) or (P <sub>2</sub> )	1	Duration .(Hours)		id Produced (Barrels)
Property Shut-In	(inche	5) 5	psig (Pm)		Inches H <sub>2</sub> 0	t	t	····	psig	<del>,</del>	sia	psig	psia	2	14		
Flow	121	_		-			+							0		<del> </del>	
l	*						FLOW	/ STR	LEAM ATT	IBUT	res			I			
Plate			Circle one:		Droop	T -			Flowing					<u> </u>			Flowing
Coeffiecient		Meter or			Press Extension	Fa	Gravity Factor		Temperature		Deviation Factor		Metered Flo	w	GOR (Cubic Fee		Fluid
(F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Prover Pressure psia			✓ P <sub>m</sub> xh	;. F <sub>g</sub> ≀			Factor F <sub>tt</sub>		Fpv		(Mcfd)		Barrel)		Gravity G <sub>m</sub>
				<u> </u>			<del></del>	<del> </del>									
				I		(OPEN F	LOW) (D	ELIV	ERABILITY	) CAI	LCUL	ATIONS	• • •	1	(P.)	<sup>2</sup> = 0.2	
(P <sub>c</sub> ) <sup>2</sup> =		<u>.</u> :	(P <sub>w</sub> ) <sup>2</sup> =		:	Pd	=	9	% (I	್ಠ - 14	4.4) +	14.4 = _	:		(P <sub>d</sub> )		
(P <sub>e</sub> ) <sup>2</sup> - (F	P <sub>a</sub> ) <sup>2</sup>	(P	c)2 - (P <sub>w</sub> )2	1	se formula 1 or 2:	LOG of				pe = "ı		n x	LOG	Ar	ntilog	De	pen Flow liverability
(P <sub>c</sub> ) <sup>2</sup> - (P	) <sub>0</sub> ) <sup>2</sup>	·			2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> ed by: P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	1. or 2. and divid by:		2 W	As	signed ard SI	d			,	09	f '	s R x Antilog (Mcfd)
														_		<del></del>	
						<u></u>	·		<u> </u>								
Open Flow	<u>v</u>			1	Mcfd @ 14.6	35 psia	*		Deliverat	ility				Mcfd @	14.65 psi	a	
	_		•			,				ithori:	zed to	make t	he above repo	rt and t	hat he ha	s know	rledge of
he facts sta	ated the	ereir	n, and that sa	id r	eport is true	and corre	ct. Exec	uted	this the	<i>/</i> <u></u>	<u></u>	lay of _	in a K		10.	,	20
			Witness (i	any)					-			Jami	re /	Company	rej		`
			For Comm	ssion					-				Che	cked by	<del>-</del>		·

	der penalty of perjury under the laws of the state of Kansas that I am authorized to request nder Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	egoing pressure information and statements contained on this application form are true and
	st of my knowledge and belief based upon available production summaries and lease records
	tallation and/or upon type of completion or upon use being made of the gas well herein named.
• •	uest a one-year exemption from open flow testing for the Wineinger 1
	grounds that said well:
gas well on the g	nounds that said won.
(Chec	k 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
<b>√</b>	is not capable of producing at a daily rate in excess of 250 mcf/D
•	
I further agre	ee to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessa	ry to corroborate this claim for exemption from testing.
_	
Date: 10-15-7	<u> </u>
	Signature: Janiel Ripley
V v	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.

RECEIVED

KANSAS CORPORATION COMMISSION

GCT 1 8 2013

CONSERVATION DIVISION