KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t: en Flov	,				`	,	ruction	ns on Reve	erse Side	•		•			
De	liverabi	ty				Jest Date	74		•		15-	No. 15 0 75-2072	7-00	00		
Company Horses		per	ating, Ir	IC.		<i>,</i> .	<i>,</i> , , , , , , , , , , , , , , , , , ,		Lease Buck		•	· ·	,	1-3	Well Nu	mber
County Hamilto		•	Location S/2 NE			Section 3			TWP . 23S		RNG (E/W)			Acres		ttributed
Field Bradshaw				Reservoir Chase					. (Gas Gathering Connect					
Completic 2-5-200					,	/ Plug Back Total Depth 2664			h		Packer Set at			-		
Casing S 4.5	ize	Weight 10.5			•	Internal Diameter 4,052			Set at 2677		Perforations 2598		_	™ 2607		
Tubing Si 2-3/8	ize		Weight . 4.7			Internal Diameter 2.000			Set at 2797		Perforations			То		
Type Con Single-0		n (Describe)				Type Fluid Production Water			<u> </u>		Pump Unit or Traveling Ple			unger? Yes / No		
Producing Thru (Annulus / Tubing)				ng)	% Carbon Dioxid				de % Nitrogen			Gas Gravity - G				
Vertical D	epth(H)	· ·					Р	ressur	re Taps					(Meter	Run) (Pı	over) Size
Pressure	Buildup	: S	hut in	4	-2 2	0/4 _{at} _	8:00					320			_	
Well on L	ine:		tarted		20	0 at		(A	M) (PM) 1	aken		20	at	·	(AM) (PM)
			Circle and		·		OBSER	WED !	SURFACE				Duratio	on of Shut-	in <u>A</u>	4 Hours
Static / Dynamic Property	Orifice Size (Inches)		Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	rttal Flowing Temperature T		dead wellhead Pre		ressure) (P _w) or (P _t) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	.500						,	,		114			2	24		
Flow												<u>.l.</u>				
			-	Т		1	FLOW S	STREA	M ATTRIE	SUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one; Meter or Prover Pressure psia			Press Extension P _m x h	Fact	Gravity Factor F _p		Flowing Temperature Factor Fn		Deviation Metere Factor F F		(Gubic F			Flowing Fluid Gravity G _m
	.															
(P _e)² =		.: `	(P _w) ²	=	:	(OPEN FLO	OW) (DEI	LIVER %		CALCUL - 14.4) +		<u>, :</u> :		(P _a) (P _d)	² = 0.2	07~
(P _c)² - (F or (P _e)² - (F		(P _a) ² - (P _a) ²		2. P _c ² -P _d ² civided by: P _c ² -P _c ²		LOG of formula 1. or 2. and divide by:		Backpressure (Slope = "n		o ⇔ "n")r gned	пхі	ро	Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
			-							и	, -		•			
Open Flow	<u> </u>			_	Mcfd @ 14.6	65 psia			Deliverabil	itv		<u></u>	Mcfd @	14.65 ps	ia	
				on b		Company, s		nt he i	s duly aut	horized to	o make th day of	e above repo				ledge of 20 14.
•			•			·		_		\mathcal{L}	Jan	le F	4	elle	1-	
			Witness	(if any)	-				0	/	For	Company			1000
_			For Com	nissio	n			_	-			Che	cked by	- 	t CC	WICH

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	many.
	declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exem	ot status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
and th	at the foregoing pressure information and statements contained on this application form are true and
correc	t to the best of my knowledge and belief based upon available production summaries and lease records
-	ipment installation and/or upon type of completion or upon use being made of the gas well herein named.
	ereby request a one-year exemption from open flow testing for the Buck 1-3
gas w	ell 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
1 f	urther agree to supply to the best of my ability any and all supporting documents deemed by Commissi
staff a	s necessary to corroborate this claim for exemption from testing.
Date: _	6-16-14
	·
	\cdot
	Omica Riolan
	Signature:
	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.

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