RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes							(See Inst	ruct	ions on Rev	erse Side	e)					
Open Flow Deliverabilty						Jest Date: 4-3-/4					API No. 15 15-071-201450000					
Company	y shoe	Ope	erating, le	nc.		Lease Hoppe				-				1	Well Number	
County Greele		'-	Location C NW			Section 11			TWP 17S		RNG (E/W) 40W		•		Acres Attributed	
Field Bradsh						Reservoir Chase			· ·		Gas Gathering Connect DCP Midstream		ection		<u></u>	
Completi		te			· · ·	Plug Back Total Dept 2975			th P		Packer Set at None					
- Casing S 4.5	ize		Weight 10.5			Internal Diameter 4,04			Set at 303 2		Perforations 2943		т _о 2971		,	_
Tubing Si	ize		Weig	ght	Internal 0 1,995		Diameter		Set at 2913		Perforations		То		_	
Type Con Bingle (n (D	(Describe)			Type Fluid Production Water					Pump Unit or Traveling Plung Yes		Plunger	7 Yes	/ No	
Producing Thru (Annulus / Tubing) Annulus						% Carbon Dioxide					% Nitrogen Gas				Gravity - G _g	
/ertical D	epth(l	1)				-	P	r e ss	sure Taps			-		(Meter	Run) (P	rover) Size
Pressure	Buildu	p: :	 Shut in	7	-2_2	0/4 at	8:00	<u>0</u>	(AM) (PM) 1	 aken	4-0	320	14 _{at}	8.	00	AM) (PM)
Well on L	ine:		Started		2	0 at						20			_	(AM) (PM)
			<u> </u>				OBSER	VE	D SURFACE	DATA			Duration	of Shut	-in	4 Hours
Static / Dynamic Property	Orifice Size (inches)		Circle one: Meter Proyer Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0 Flowing Temperature t		Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		(Honta) Doustjou		Liquid Produced (Barrels)	
Shut-In	1.00								130		psig psia		24		•.	
Flow																
Plate			Circle one:	1	Press	—	-	TR	Flowing				-			Flowing
Coefficient (F _b) (F _p) Mord		Meter or Prover Pressure psia			Extension P _m x h	Gravity Factor F _s		Temperature Factor F _{IR}		Deviation Factor F _{pv}		Metered Flow R (Mcfd)		GOR (Cubic Fee Barrel)		Fluid Gravity G _m
												e la				
'_)² =		_:	(P _w) ² :	=	:	(ÓPEN FLO	OW) (DEL	LIVE	ERABILITY)	CALCUL - 14.4) +	•	<u>·</u> :		(P _e) (P _d)) ² = 0.2	07
$(P_c)^2 - (P_c)^2 - (P_c$	2 _a) ²	(P _c) ² - (P _w) ²		Choose formula 1 or 2: 1. P _c ² · P _d ² 2. P _c ² · P _d ² divided by: P _c ² · P _c ²		LOG of formula 1. or 2. and divide by:			Backpressure Cur Slope = "n" or Assigned Standard Slope				Antilog .		Open Flow Deliverability Equals R x Antilog (Mcfd)	
pen Flow	 v			•.		55 psia			Deliverabil	ity			Mcfd @ ·	14.65 ps	ia	
			•		ehalf of the			•		15	o make the	e agove repo	rt and th	at he h	s know	ledge of
	_		Witness	(if any) ,	<u>-</u>		-			a iun	J J Bro	company (1	CC	WICH
			FarCom	nissio	n			-			 .	Chec	ked by		-	1 7 201/

Action to the second se
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 Hoppe 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
Date: 4-15-14
Signature: <u>Janice Ripley</u> Title: <u>Hroduction</u> 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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