KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					(See Insti	ruct	ions on Reve	rse Side)					
	eπ Flo liverat					Test Date	Î'4		å		API 15-	No. 15 -071-2073	0-0	000		
Company Horses		Оре	rating, In		· ·	.1.0.1			Lease- Wear			•	•		Well Nu	mber
County Greeley			Loca C NE		Section 15			TWP ⁷ 17S			RNG (E/W) 40W			Acres Attributed		
Field Bradsh	aw					Reservoir Winfiel						hering Conn idstream	ection			
Completic 9-28-20		le			/	Plug Bac 3022	k Total D	ept	h		Packer S	Set at				
Casing Size 4.5			Weig 10.5		Internal D 4.052		Diameter		Set at 3020		Perforations 2929-44;61-70			то 2980-88 <u>,</u>		
Tubing Si 2.375	Tubing Size 2.375		Weig 4.7	ht			Internal Diameter 2.0000		Set at 3001		Perforations			То		
Type Con Single (n (De	escribe)			Type Flui Water	d Produc	tion	1		Pump Ur Yes	nit or Traveling	Plung	er? Yes	/ No	
Producing Casing	Thru	(Anı	nulus / Tubir	ng)	·	% C	Carbon Di	ioxi	de		% Nitrog	jen		Gas G	ravity - (3,
Vertical D	epth(f	1)						ress ang	sure Taps					(Meter	Run) (P	rover) Size
Pressure	Buildu	ıp:	Shut in	4.	2 2	0/4 at_	<u> </u>			aken	40	320	<u>14</u> a	8.0	00	(AM) (PM)
Well on L	ine:		Started		20	0 at		_	(AM) (PM) T	aken		20	a	t		(AM) (PM)
							OBSER	VE	D SURFACE				Durati	on of Shut	-in_	4 Hours
Static / Dynamic Property	Orlf Siz (inch	e	Citale one: Meter Prover Press psig (Pm)	ure	Pressure Differential In Inches H ₂ 0	Flowing Temperature t	Well Hea Temperat t		Casin Wellhead Pr (P _w) or (P ₁) psig	ressure	Weilhe	Tubling ead Pressure r (P _t) or (P _c) psia		uration Hours)		d Produced Barrels)
Shut-In	1.6	0			-					56			2	4	ļ <u>.</u>	
Flow							<u> </u>		· _						<u> </u>	
			:	_			FLOW S	TR	EAM ATTRIE	UTES		-				1
Plate Coeffiec (F _b) (F Mcfd	ient ,)	Pro	Circle one: Meter or over Pressure psia		Press Extension	Grav Fact F _e	tor	Т	Flowing emperature Factor F ₁₁	Fa	lation actor	Metered Flow R · (Mcfd)	v	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
						<u> </u>								1		
(P _c) ² =	-	_:	(P _w) ² :	=	:	(OPEN FLO	OW) (DEI	اLIV	ERABILITY) (6 (P_	CALCUL - 14.4) 4				(P _a)) ² = 0.2	07
(P _c) ² - (F or (P _c) ² - (F	•	(F) ₂) ² - (P ₄) ²	:	058 formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ Isolby: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	,	Backpress Slope 	ure Curve = "n" gned	$\neg \tau =$	LOG [A	ntilog	Del Equals	pen Flow Iverability SR x Antilog (Mcfd)
			-											-	ļ. -	
Open Flor	w				Mcfd @ 14.0	65 psia			Deliverabili	itv		:	Mcfd @	14.65 ps	ia	
The u	unders				ehalf of the	Company, s			e is duly auti	-		he above repo		•		riedge of
irie facts si	tated t	nerei	n, and that s	aid	report is true	and correc	t. Execu	ted	this the/_		day of	ice K	۶. س	Peu	,	20 <u>/ </u>
	_		Witness	(if any	n .			-			Jano	For	Company	TO K	(CC	MICHI
			For Com	nissio	ער	· · · ·	_	-	_			Che	cked by	. 1.3	<u></u>	<u>"" \ </u>

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	re under penalty of perjury under the laws of the state of Kansas that I am authorized to reques
	tus under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	e foregoing pressure information and statements contained on this application form are true an
	ne best of my knowledge and belief based upon available production summaries and lease record
	nt installation and/or upon type of completion or upon use being made of the gas well herein named y request a one-year exemption from open flow testing for the
jas well o	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
l furth	r agree to supply to the best of my ability any and all supporting documents deemed by Commis
staff as ne	cessary to corroborate this claim for exemption from testing.
Date:	4-15-14
	•
	•
	Signature: Janice Ripley
	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.

CONTACTOR

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