KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	Type Test: (See Instructions on Reverse Side)														
Open Flow															
Deliverabilty						Test Date:				API No. 15 15-071-20106-Ф ↑					
Compan			.					Lease			0112010		Well No	ımher	
Horses	śhoe	Opt	erating, Ir	ıc.		•		Gibson	1			1			
County Loc Greeley C SI				eation Section E 26							RNG (E/W) 40W		Acres Attributed 640		
Field Bradsh	naw					Reservoi			Gas Gathering C DCP Midstrea			ection			
Completi 6/7/76	ion Da	ate	 . <u></u> ,			Plug Bac 3010	k Total Dep	oth	n Packer Set at None						
Casing S 4.5	Size		Weight 9.5			Internal I 4.052	Diameter		Set at 3026		Perforations 2865-2975		To 2935-2955		
Tubing S 2.375	ize		Weig 4.7	pht		Internal (1.995	Diameter	Set at 2890		Perforations		То			
Type Completion (Describe) Single Gas					· · <u>-</u> ,	Type Flui Water	d Productio		Pump Unit or Trave			ng Plunger? Yes / No			
Producing Thru (Annulus / Tubing)						% (arbon Diox	ide		% Nitro	Gas G	Gas Gravity - G			
Annulus												. ,			
Vertical Depth(H) Pressure Taps (Meter Run) (Pro 3035												rover) Size			
Pressure	Bulldi	νp:	Shut in	1-5	_ 20 /	12at_	9:30	(AM) (PM)	Taken	/-	6 20	12 at 9:3	30 ((AM) (PM)	
Well on Line: Started															
							OBSERVE	D SURFACE	DATA			Duration of Shut	-in	34 Hours	
Static / Orific Dynamic Size Property (Inche		- Metar			Pressure Differential		Well Head	Casi Wellhead F	•	,	Tubing and Pressure	Duration	Liqui	Liquid Produced	
		thes) Prover Pres		sure in		mperature t	Temperature t	(P _w) or (P ₁) or (P ₂)		(P _m) or (P _t) or (P _s)		(Hours)		(Barrels)	
Shut-In	ut-In 1.2		psig (Pm)) Inches F	1,0			psig	70 30	paig	psia	24	-		
Flow	4. 4. 4	_		<u> </u>	$\neg \vdash$								 	- -	
			<u> </u>	!			EI OW STE	REAM ATTRI	DITTEE		<u></u>				
Plate			Circle one:	T .				Flowing	Buies	······	<u> </u>	- 			
Coeffiecient		Meter or		Press Extension		Gravity Factor		Temperature E		viation Metered Flow sector R		GOR (Cubic Feet/		Flowing Fluid	
(F _b) (F _p) Mcfd		Prover Pressure psia		✓ P _m x	h	F.		Factor '		F _{pv} (Mcfd)		Barrel)		Gravity	
				 				- 'n						G _m	
			·			DEN EL	WY (DELLY	ERABILITY)	CALCU	ATIONS					
(P _c) ² =		_:	(P _w) ² =	=	:	P _d =			- 14.4) +		:	(P _a)) ² = 0.2 ³) ² =	07	
/D \7_ (C	2 /2	/0	V2 (D)2	Choose tormula t			Γ٦	Backpres	sure Curve				Τ.	en Flow	
$(P_{\epsilon})^2 - (P_{\epsilon})^2$ or		(P _e)² - (P _#)²		1. P ₂ ² -P ₂ ²		LOG of formula		Slope = "n"		n x LOG		Antilog		Deliverability	
(P _e)2- (P _d)2				2. P.2 - P.2 dividued by: P.2 - P.2		1. or 2. and divide p.z.p.z by:		Assigned Standard Slope				•		quals R x Antilog (Mcfd)	
				Distance by: Fe			<u> </u>	- Otalida	id Olope				 		
		<u> </u>					_	<u> </u>					<u> </u>		
						_							i	i	
Open Flow Mcfd @ 14.65 psia					<u>.</u>	Deliverability			Mcfd ② 14.65 psia						
The	ındere	ioned	authority o	n habalf of t	ha Ca	7000	latas that h	a ia dulia aut							
								_	- /		Marc	rt and that he ha	as knowl	ledge of / _2	
10163 31	li	, G#	i, and ulat Si	om isholi is i	iue an	iu correct	. Executed	this the			' '/	Ĭ	2	<u>/ </u>	
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			Witness (μτany)					0		ForC	company(/	VEO[IVED.	
			Fer Carre	nission				_			Chec	ked by	IAR 2	8 2012	

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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. I hereby request a one-year exemption from open flow testing for the Gibson 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: 3-26-/2
Signature: Janice Ripley Title: Froduction 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.