KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Rev	erse Side	e)				
Open Flow Deliverabilty				4-3-/4			. ,		API No. 15 071-20151-00-00		00		
Company Horseshoe Operating, Inc.			ting, Inc.				Lease Gibb					Well Number	
County Greeley			Location NW NW/4		Section 28		TWP , 17S		RNG (E/W) 40W		Acres Attributed		
Field Bradshaw				Reservoir Winfield				ć.		thering Conn Midstream			
Completion Date					Plug Bac 2990	th	Packer Set at						
Casing Size 4.5			Weigh 9.6	t	Internal Diameter 4		Set at 3000		Perforations 2940-2949		то 2956-	то 2956-2959	
Tubing Size 2-3/8			Weight 4.7		Internal Diameter 1.995		Set at 2920		Perforations		То	То	
Type Con Single	npletio	n (De	escribe)	·	Type Fluid Production Water		<u> </u>		Pump Unit or Traveling Plun No		Plunger? Yes	nger? Yes / No	
Producing	g Thru	(Anr	nulus / Tub ing	g)	% C	arbon Dioxi	ide	<u></u>	% Nitrog	jen	Gas G	avity - G _g	
Vertical D	Pepth(H	1)				Pres Flan	sure Taps		·		(Meter	Run) (Prover) Size	
Pressure	Buildu	p:	Shut in	4-2	0/4 _{at} _	8:00		Taken	4-	3 20	14 at 8,'0	D (AM) (PM)	
Well on L	.ine:		Started	2	0 at						at		
						OBSERVE	D SURFACE	DATA			Duration of Shut	in <u>24</u> Hours	
Static / Orific Dynamic Size Property (inche		e	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H,0	Flowing Well Head Temperature Temperatur		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Tubing Wellhead Pressure (P_w) or (P_l) or (P_c) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In		_			-			38	psig	psia	24		
Flow					_		_	<u> </u>	<u> </u>		· 		
г	 -					FLOW STR	REAM ATTRI	BUTES					
Plate Coefficeient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension	Grav Fact F _c	tor	Flowing Temperature Factor F _{II}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Gravity I	
													
(P _c) ² =		_:	(P _w) ² =	:	(OPEN FLO		'ERABILITY) % (P	CALCUL , - 14.4) +		· :	(P _a) (P _d)	² = 0.207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _o) ² - (P _w)		Choose formula 1 or 2 1. P _c ² - P _c ² 2. P _c ² - P _c ² divided by: P _c ² · P _c ²	LOG of formula 1. or 2. and divide	P.2 - P.2	Backpressure Slope = or- Assigne Standard S		n x	rod	Antilog .	Open Flow Deliverability Equals R x Antilog (Mcfd)	
			_		-/	,	 						
Open Flow Mcfd @ 14.65 psia						•	Deliverability			Mcfd @ 14.65 psia			
							-	horized to	o make th	/1	t and that he ha	111	
the facts s	tated th	herei	n, and that sa	aid report is true	and correct	t. Executed	this the	7	day of \mathcal{L}	ingu irol R	· nla	20	
			Witness (i	f any)		·			fun	Förd		TION COMMISSION	
	· · .		For Comm	ission	<u></u>				_	Chec	ked by AUG (1 6 2014	

CONSERVATION DIVISION WICHITA, KS

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 Gibb #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:
Signature:

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.