KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes						(See Instruc	tions on Re	everse Side	∍)				
Open Flow Deliverability				Test Dat	e: 12		API No. 15 15-075-20743 -00 -00						
Compan		Opera	ting, Inc	·.	1 10	/~	Lease Virgin	ia		0,020,7	1	Well N	umber
County Location Hamilton SE				Section 6		TWP 21S		RNG (E/W) 40W		Acres 480		Attributed	
Field Bradshaw				Reservoi Winfie					thering Conn flidstream	ection			
Completion Date 5-1-2001			Plug Bac 2827	ck Total Dep	th		Packer \$						
Casing Size 4.5			Weight	1	Internal Diameter 4.090		Set at 2831		Perforations 2791		то 279 6		
Tubing S 2.375	Tubing Size 2.375			i	Internal 2.0000	Diameter)	Set at		Perforations		То		
Type Completion (Describe) Single Gas				Type Fluid Production Water				Pump Unit or Traveling Plunger? Yes / No Yes					
Producing Casing	g Thru	(Annulu	ıs / Tubing)	% (Carbon Dioxi	de		% Nitrog	en	Gas G	aravity -	3,
Vertical D	epth(H)	}				Pres: Flan	sure Taps ge				(Meter	Run) (P	rover) Size
Pressure	Buildup	: Shu	ıt in <u>7</u>	'-/7_2	0/2 at /			Taken	7-1	8 20.	/2 at //.	00	(AM) (PM)
Well on L	ine:	Sta	rted	2	0 at		(AM) (PM)	Taken	•	20	at	······································	(AM) (PM)
[Circle one:	Pressure		OBSERVE	D SURFAC				Duration of Shu	1-in _	Hours
Static / Dynamic Property	ynamic Size		Meter over Pressur psig (Pm)	Differential	Temperature Temperatu		Walihaari Pressure		Tubing Wellhead Pressure (P_w) or (P_1) or (P_a) psig psia		Duration t. (Hours)		d Produced Barrels)
Shut-In	.62	5						96.8		J. C. C.	24		
Flow													
Plate			one;	Press	Grav	FLOW STR	Flowing	<u> </u>		Metered Flov			Flowing
Coeffictient (F _b) (F _p) Mcfd		Meter or Prover Pressure psia		Extension P _m x h	Extension Fact		Temperature		Deviation Factor F _{av}		(Cubic F	(Cubic Feet/ Barrel)	
(P _c) ² =		•	(P _w)² =_		P _d =	OW) (DELIVE) CALCUL P _c - 14.4) +		<u> </u>) ² = 0.2) ² =	07
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_a)^2$		(P _c) ² ~ (P _w) ²		ose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ² ched by: P _c ² - P _w ² LOG of formula 1. or 2. and divide by:		Slope		ssure Curve pe = "n" - or signed ard Slope	лхL	.og [Antilog	Del Equals	ven Flow verablity R x Antilog (Mcfd)
Open Flow Mcfd @ 1			Mcfd @ 14.6	5 psia		Deliverability			Mcfd @ 14.65 psi				
				behalf of the (ithorized to	make th	e aboye repo	rt and that he h	as know	ledge of
			Witness (if a	ny)		·		Ja	nicl	hip.	Company	R	ECEIVED
			For Commiss	ion	· · · · · ·		_			Chec	ked by	00	T 1 1 201

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to 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 correct to the best of my knowledge and belief based upon available production summaries and least of equipment installation and/or upon type of completion or upon use being made of the gas well here. I hereby request a one-year exemption from open flow testing for the Virginia #1	true and e records
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 staff as necessary to corroborate this claim for exemption from testing.	Commission
Date: 10-8-12	
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.